

ANNUAL REPORT
of the
STATE DEPARTMENT
OF MINES

of
KENTUCKY

For the Year Ending December, 1922

By

L. BLENKINSOPP,
Chief Inspector of Mines

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“ERRATUM”

The following mines have been placed in the Fifth District which really belong to the Third District and inspected by the Fifth District Inspector in Clay County.

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Columbia Panama Coal Co., Manchester, Ky.	200
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Lexington, Ky., April 18, 1923.

To His Excellency,
Edwin P. Morrow,
Governor of Kentucky,
Frankfort, Kentucky.

The report herewith submitted is for the year ending December 31, 1922, being my Third Annual Report of the Department of Mines and the Forty-Third Annual Report upon the conditions of mines in Kentucky.

It is gratifying to say we have had excellent co-operation from the operators and miners, while there are still a few mines not co-operating or complying with the laws in respect to sending in their monthly tonnage, annual reports and maps as required by the mining laws.

A glance at the mines, tonnage and number of men employed listed in this report shows very clearly that the inspection force is inadequate to get to each mine as often as the law requires, and to get the necessary data as to the conditions of the mines, and on account of the rapid development which the tonnage shows we are now standing fourth in production in the United States. The mines worked on an average of 132 days and had we worked a possible 288 days for the year 1922 we could have produced 91,174,721 tons. This would have given us third place in production in the United States.

The coal industry being the greatest asset in the State should be encouraged. The coals of Kentucky are the best in the United States for the purpose they are adapted, and the analysis herewith given shows this. Much has been said about the high cost of coal. In my opinion this is self-adjusting; if the car supply was adequate the market would regulate the price.

The wagon mines (440) have played a great part in this production, but under normal conditions these will be a thing of the past and the mines with equipment to compete in the market are those that will live.

Great improvements have been made in the mines in Kentucky and much money has been spent and is being spent to bring the mines up to a standard to compete with the large mines of the other states, and it is only a question of fair rates to bring the Kentucky coals in close competition with Pennsylvania and West Virginia and also Ohio, and these three states are our close competitors for the eastern coals while our western coals are in a market competing with Illinois, Indiana and the South. What we need is a revision in the rates to Tidewater and Lakes. The tonnage per accident compares very favorably with any state in the union and with the exception of one or two minor explosions the State has made a good showing and is a credit to the officials in charge of life and property.

The tonnage increase of 11,634,626 tons or 38% with a total of 41,917,321 tons and a total of 58,909 men in and around the mines for only eight inspectors is a greater tonnage per inspector than any other state in the union, and it is impossible to get around and examine the mines as often as the law requires with the present appropriation for this department. The salary per inspector is not adequate to keep good men on the force, and I would suggest three more inspectors be added to this department with sufficient salary to justify getting first class men, and men that will stay with the department and do their duty as prescribed by law, and that sufficient expense be allowed them and not less than four dollars per day for each inspector for every day he is away from home inspecting mines over and above his railroad fare. That sufficient appropriation be allowed for a clerk to file and compile statistics for office, for traveling expenses of Chief Inspector who is often called to the different parts of the State for consultation on conditions existing that take immediate action such as mine fires, explosions, and sealing up and opening out seals of mine fires.

The dangers pertaining to handling of these conditions require an expert and not a man merely appointed to act as an inspector, he must have both practical and technical knowledge

of the dangerous gases met within a coal mine, and I may also add here that an inspector cannot get insurance on account of the hazardous work his duties call for.

I would suggest a bill be presented to the next legislature to bring all quarries, rock mines, stripping mines or any mine or quarry under the jurisdiction of the Mining Department.

The report of each individual inspector I have omitted here as it is too voluminous, but will be added in the report for printing.

The department held two examinations for mine foreman, one May 30th with a class of 124 applicants, of which thirty were examined for first class, which takes in safety lamp, gases met within coal mines, and their properties, mine fires, ventilation, shafts, slopes and drifts, timbering, hoisting and pumping.

Ninety-four applicants were registered for the second class which does not take in mine gases, and can only hold positions in non-gaseous mines. The questions are complied by myself and graded by the board as prescribed by law. I am pleased to say the standard is higher than in previous years and applicants have either taken a course through the University of Kentucky by correspondence or direct or have studied mining books, and many have passed very creditably. The examination held on December 4th had 109 applicants with twenty-five first class and eighty-four for second class.

The bill passed by last legislature to hold the examinations at Paintsville, Pineville, Madisonville and Lexington did not provide funds to carry this out, hence they were not held.

The annual report of the State Department of Mines of Kentucky should be widely advertised, as it gives the name and address of each operator, showing the number of seam, equipment, height of seam, tons and the number of men employed, with the analyses of the seams in that district, all of which has a tendency to show the quality of the coal and the purpose for which it is especially adapted and is a sale advertiser for Kentucky coals. We have many inquiries for these reports and last year over six hundred were sent out to the brokers, agents and libraries.

In conclusion the writer desires to express his high appreciation of the confidence reposed in him by your Excellency, and for the moral and material aid rendered him in the discharge of his duties, and the splendid co-operation from both operators and miners pertaining to the work of this Department.

Respectfully submitted,

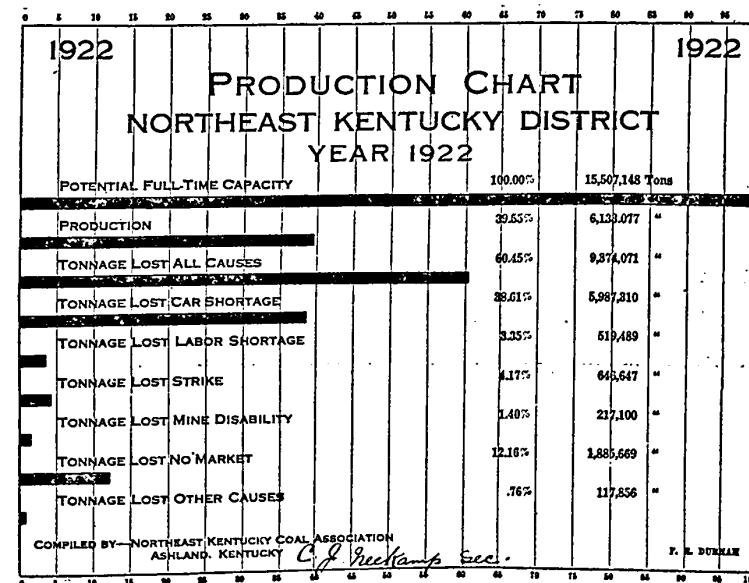
LAWSON BLENKINSOPP,
Chief Inspector of Mines

PERSONNEL OF DEPARTMENT OF MINES

L. BLENKINSOPP, Chief Inspector.....Lexington
LOUISE SULLIVAN, Chief Clerk.
WILLIAM ROBERTS, Assistant Inspector.....Madisonville
W. H. HUNT, Assistant Inspector.....Central City
Resigned Sept. 1, 1922.
M. H. BLYTHE, Assistant Inspector.....Central City
Appointed Oct. 10, 1922.
J. A. LEWIS, Assistant Inspector.....Lexington
R. D. COLLETT, Assistant Inspector.....Pineville
LACEY LAXTON, Assistant Inspector.....Harlan
Resigned May 15, 1922.
U. D. WILLIAMS, Assistant Inspector.....Harlan
Appointed June, 1922.
H. C. FAULKNER, Assistant Inspector.....Hazard
M. L. WELLS, Assistant Inspector.....Paintsville
GRANT PHILLIPS, Assistant Inspector.....Pikeville

BOARD OF EXAMINERS

L. BLENKINSOPP, President.....Lexington
D. J. RUCKMAN, Operators' Representative.....Providence
CHARLES WILLIAMS, Miners' Representative.....East Bernstadt



Production Chart Northeast Kentucky District. Compliments of C. J. Neekamp, Secretary.

COMPARATIVE PRODUCTION REPORT, NORTHEAST KENTUCKY DISTRICT.

	1920	1922
Total tons produced	5,514,359	6,133,077
Tons lost account railroad disability	6,681,096	5,987,310
Tons lost account labor shortage	237,848	519,489
Tons lost account strike	5,367	646,647
Tons lost account mine disability	211,154	217,100
Tons lost account no market	125,941	1,885,669
Tons lost account all other causes	7,311	117,856
Total tons lost all causes	7,263,716	9,374,071
Potential full-time capacity tonnage	12,783,075	15,507,148

WORKING TIME REPORT, NORTHEAST KENTUCKY DISTRICT—YEAR 1922

Total number of hours worked	158,136
Hours lost account railroad disability	131,795
Hours lost account labor shortage	21,939
Hours lost account strike	8,780
Hours lost account mine disability	6,885
Hours lost account no market	74,312
Hours lost account all other causes	5,249
Total hours lost all causes	248,960
Potential full-time hours for the year	407,096

PRODUCTION BIG SANDY FIELD COMPARED WITH PRODUCTION ENTIRE COUNTRY

Week Ended	Entire Country	Big Sandy
January 7	7,450,000	81,156
14	8,302,000	85,090
21	8,782,000	99,533
28	9,615,000	109,719
February 4	9,706,000	112,109
11	10,309,000	124,673
18	10,285,000	125,633
25	10,402,000	125,499
March 4	10,541,000	137,522
11	11,102,000	139,264
18	10,843,000	128,557
25	11,448,000	147,226
April 1	10,469,000	142,766
8	3,835,000	132,354
15	3,656,000	136,436
22	3,575,000	140,217
29	4,175,000	150,880
May 6	4,164,000	140,217
13	4,433,000	155,031
20	4,481,000	156,387
27	4,889,000	178,231
June 3	4,616,000	161,957
10	5,136,000	175,256
17	5,013,000	166,014
24	5,363,000	166,789
July 1	5,226,000	172,642
8	3,678,000	126,598
15	4,123,000	116,337
22	3,692,000	51,803
29	3,952,000	47,481
August 5	4,313,000	76,872
12	4,606,000	78,968
19	4,609,000	83,293
26	6,736,000	99,898
September 2	9,359,000	85,138
9	8,791,000	88,510
16	9,737,000	74,674
23	9,747,000	89,887
30	9,822,000	82,449
October 7	9,736,000	88,658
14	10,110,000	121,616
21	10,378,000	96,500
28	10,683,000	97,368
November 4	10,666,000	108,061
11	10,147,000	124,403
18	11,215,000	117,071
25	11,100,000	96,308
December 2	10,387,000	87,690
9	11,495,000	96,428
16	10,666,000	106,931
23	10,031,000	108,127
30	10,171,000	105,364
Total	407,909,000	6,133,077
		1.50%

KENTUCKY STATISTICS FOR 1922

	1921	1922	Increase	Per Cent	Decrease	Per Cent
Tons produced	30,282,695	41,917,321	11,634,627	38.		
Number of mines	641	731	90	13.91		
Number of men employed outside	9,819	10,840	1,021	10.39		
Number of men employed inside	39,971	48,069	9,098	22.		
Total number of men employed	49,790	58,909	9,119	18.21		
Average number of days worked	109	132	23	21.		
Number of fatal accidents	127	122			5	3.93
Tons per fatal accident	238,446	343,583	104,137	43.		
Number of electrically equipped mines	270	417	147	54.		
Number of pick mines	255	314	59	23.		
Number of wagon mines		440				
Tons for wagon mines		440,000				
Number of mines not co-operating		26				
Tons for non-co-operating mines		407,833				

BY DISTRICTS

District	Tons	Mines	Men Outside	Men Inside	Total Men	Days Worked	Elec. Mines	Pick Mines	Wagon Mines	Tons for Wagon Mines	Mines Not Co-operating	Tons for Non-Co-op.
No. 1	7,466,915	89	1,193	7,726	8,919	151	57	32	18	18,000	4	88,760
No. 2	5,904,035	71	1,018	7,081	8,099	152	41	30	15	15,000		
No. 3	1,682,377	75	746	2,901	3,647	146	17	58	72	72,000	4	40,000
No. 4	2,697,544	114	1,236	5,327	6,563	96	45	69	189	189,000	7	49,073
No. 5	6,410,436	78	1,732	7,276	9,008	99	60	18	70	70,000	2	40,000
No. 6	8,070,152	116	2,093	7,618	9,716	167	83	33	49	49,000	5	110,000
No. 7	3,153,606	104	1,311	4,189	5,500	104	56	48	12	12,000	4	80,000
No. 8	6,533,256	84	1,506	5,951	7,457	161	58	26	15	15,000	0	
Total	41,917,321	731	10,840	48,069	58,909	132	417	314	440	440,000	26	407,833

ACCIDENT REPORT

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Mining machines	1	2		1						1			5
Coal dust explosions ..	6												6
Mine explosion at Laymond Calloway Coal Co., at Pineville, Ky.													
Slate larry	1												1
Slate at face	3	7	2	5	1	5	4	5	1	6	2	2	43
Mine cars at face	1			2			4						7
Powder ignited by sparks	1						1						2
Slate on entry	1	4					4	3		1	2		14
Run over by mine cars		1		2									3
Due to shots		9		2									11
Caught between motor and roof			1					1			1		3
Direct by contact wire			1		3		1	1					6
Railway cars			1	1									2
Short fuse				1									1
Cars and rib					1			1			1		3
Between cage & shaft						1							1
Falling from trip							1		1				2
Drilling into old holes							2						2
Miscellaneous							2			1			3
Crushed by motor							1						1
Run over by motor								2	2				4
Opening powder kegs by pick										1			1
Snatch block												1	1
Premature shot												1	1
Rock in quarry										1			1
Runaway trip										1			1
Run over by wagon										1			1

DISTRICT NO. 1—Wm. Roberts, Inspector, Madisonville, Ky.

	1921	1922	Increase	Per Cent	Decrease	Per Cent
Tons produced	4,164,965	7,465,915	3,300,950	79		
Number of mines	58	39	31	53.44		
Number of men outside	1,059	1,193	134	12.54		
Number of men inside	5,779	7,726	1,927	33.67		
Total number of men employed	6,858	8,917	2,061	30.00		
Average number of days worked	101	151	49	48.00		
Number of fatal accidents	8	7			1	9% nearly
Tons produced per accident	520,620	1,066,702	546,139	104.00		
Number of electric mines	30	57	27	90.00		
Number of pick mines	28	32	4	14.28		
Number of wagon mines		18				
Number of non-co-operating mines		4				
Tons for wagon mines		18,000				
Tons for non-co-operating mines		88,760				

AVERAGE ANALYSIS OF SEAMS OF COAL IN THE FIRST DISTRICT

County	Name of Seam	Moisture	Volatile Matter	Fixed Carbon	Ash	Sulphur	B. T. U.
Christian	No. 6	.....	.....	.....	.....	.....	.....
Hopkins	No. 9	.....	39.50	49.19	9.84	3.46	13.504
Hopkins	No. 11	1.44	37.48	46.68	13.62	3.65	.....
Henderson	No. 9	2.22	39.50	49.19	9.84	3.46	13.504
Union	No. 9	1.44	39.50	49.19	9.84	3.46	13.504
Union	No. 11	2.22	37.48	46.68	13.62	3.65	.....
Webster	No. 9	1.44	39.50	49.19	9.84	3.46	13.504
Webster	No. 11	2.22	37.48	46.68	13.62	3.65	.....

DISTRICT NO. 1—Wm. Roberts, Inspector, Madisonville, Ky.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
1.	Bunker Hill Coal Co.	Providence	Webster	E. H. Montgomery	John Cullen
2.	Clifty Consolidated Coal Co.	Clay	Webster	R. D. Holt	B. R. Monrow
3.	Cox & Barker Coal Co.	Providence	Webster	B. C. Cox	Virgie Vaughn
4.	Diamond Coal Company	Providence	Webster	R. L. Laxton	R. J. Hart
5.	Dever Coal Company	Providence	Webster	K. Kendall	W. Martin
6.	Economy Mining Company	Providence	Webster	S. C. Humphreys	W. E. Dillender
7.	Hunter Coal Company	Providence	Webster	W. L. Funkhouser	John Sidden
8.	Hall-Luton Coal Company	Providence	Webster	D. C. Hall	Jeff Wilson
9.	Highland Mining Company	Providence	Webster	J. T. Aldridge	J. E. Leeper
10.	Leeper Coal Company	Providence	Webster	J. L. Montgomery	
11.	Providence Coal Mining Co.	Providence	Webster	C. E. Wynn and A. L. Wilson	
12.	Martin Coal Company	Providence	Webster	J. L. Henon	J. L. Jennings
13.	Ruckman Coal Company	Providence	Webster	J. T. Aldridge	T. B. Fugate
14.	R. W. Hunter Coal Co.	Providence	Webster	R. W. Hunter	W. L. Funkhouser
15.	Victory Coal Company	Providence	Webster	W. M. Young	W. B. Melton
16.	West Kentucky Coal Co., No. 3	Wheatcroft	Webster	W. W. Kirk	C. O. Slade
17.	West Kentucky Coal Co., No. 4	Wheatcroft	Webster	W. W. Kirk	J. W. Branson
18.	West Kentucky Coal Co., No. 5	Wheatcroft	Webster	W. W. Kirk	A. J. Hill
19.	West Kentucky Coal Co., No. 6	Wheatcroft	Webster	Jas. Palmer	Walter Edwards
20.	West Kentucky Coal Co., No. 7	Wheatcroft	Webster	W. W. Kirk	E. H. Coffman
21.	West Va. Coal Co. of Mo.	Sebree	Webster	Jas. Palmer	
22.	Wynn Coal Company	Providence	Webster	J. L. Henon	W. Roberts
23.	Young & Morgan Coal Co.	Providence	Webster	E. M. Young	C. M. Butterfield
24.	St. Bernard Mining Co.	Providence	Webster	J. J. Harland	Archie Brinson
25.	Oyama Coal Company	Providence	Webster	A. J. Hill	A. J. Hill

DISTRICT NO. 1—Wm. Roberts, Inspector, Madisonville, Ky.—Continued.

No.	Equipment	Height of Seam	Name or No. of Seam	Kind or Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Rate Acc'ts.	R. R.	Remarks
1.	Pick	6'	11	Drift	12,535	2	8	182	I. C.		Partially co-oper.
2.	Elec.	5'	9	Shaft	107,754	14	140	146	L. & N.		
3.	Pick	5'	9	Slope	6,230	3	10	144	L. & N.		
4.	Air	4' 10"	9	Slope	145,303	21	108	162	L. & N.		
5.	Pick	4' 8"	9	Slope	10,000	4	28	40	L. & N.		
6.	Pick	4' 6"	11	Shaft	58,716	4	40	176	L. & N.		
7.	Pick	4' 10"	9	Drift	43,429	5	50	120	L. & N.		
8.	Pick	4' 9"	9	Shaft	39,840	5	57	213	L. & N.		
9.	Elec.	5' 4"	11	Slope	104,940	11	146	229	L. & N.		
10.	Pick	4' 10"	9	Slope	24,729	4	23	147	L. & N.		
11.	Elec.	4' 10"	9	Shaft	227,209	45	188	260	L. & N.		
12.	Pick	4' 6"	9	Slope	79,190	3	18	202	L. & N.		Not co-operating
13.	Elec.	4' 8"	9	Shaft					L. & N.		Not co-operating
14.	Pick	6'	11	Slope	22,435	7	35	109	L. & N.		
15.	Pick	4' 10"	11	Slope	83,281	12	65	202	L. & N.		
16.	Elec.	5' 3"	9	Slope	96,267	12	85	214	L. & N.		
17.	Elec.	5' 3"	11	Slope	64,911	15	60	203	L. & N.		
18.	Elec.	5' 3"	12	Shaft	91,300	14	91	203	L. & N.		
19.	Elec.	4' 10"	9	Shaft	364,195	42	261	228	L. & N.		
20.	Elec.	5' 10"	12	Shaft	2,091	6	14	53	L. & N.		
21.	Pick	4' 6"	9	Slope	70,633	6	49	181	L. & N.		
22.	Pick	6'	11	Slope	13,457	9	27	113	L. & N.		
23.	Elec.	6'	11	Shaft	293,007	58	277	168	L. & N.		
24.	Elec.	5'	9	Shaft	5,726	12	15	110	L. & N.		
25.	Pick	5'	9	Shaft					L. & N.		

DISTRICT NO. 1—Wm. Roberts, Inspector, Madisonville, Ky.—Continued.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
26.	Duvin Coal Company	Providence	Webster	T. J. Montgomery	Robt. Stanley
27.	Luton Mining Company	Providence	Webster		
1.	Buck Run Coal Company	St. Charles	Hopkins	B. F. Gilliland	A. E. Hinton
2.	Circle City Coal Co.	Nebo	Hopkins	Roy A. Gruschow	John Hughett
3.	Caney Creek Coal Co.	Daniel Boone	Hopkins	John Hughett	H. R. Tweedle
4.	Coil Coal Company	Madisonville	Hopkins	F. E. Coil	Claude Bivins
5.	Chicasaw Coal Company	Madisonville	Hopkins	B. C. Mitchell	C. W. Hale
6.	Grape Vine Coal Co., No. 9	Madisonville	Hopkins	Jno. M. Hale	C. W. Hale
7.	Grape Vine Coal Co., No. 11	Madisonville	Hopkins	Jno. M. Hale	M. B. Brown
8.	Hamblett Mining Co.	Madisonville	Hopkins	E. B. Hamblett	S. E. Jackson
9.	Hart Coal Corporation	Mortons Gap	Hopkins	J. H. Salmin	M. S. Yokeley
10.	Jones Coal Company	Madisonville	Hopkins	T. N. Jones	T. H. Fox
11.	Mason Mining Company	Dawson Springs	Hopkins	Ernest Syon	Wm. Belcher
12.	Norton Coal & Mining Co., No. 1	Nortonville	Hopkins	F. P. Hinkered	W. A. Lindle
13.	Norton Coal & Mining Co., No. 2	Nortonville	Hopkins	Ryburn Pinckard	Dell Bowles, Hecla Mine
14.	St. Bernard Mining Co.	Earlington	Hopkins	A. G. Spillman	J. H. Harris, Sou. Diamond
15.	St. Bernard Mining Co.	Earlington	Hopkins	A. G. Spillman	W. T. Sisk, St. Charles
16.	St. Bernard Mining Co.	Earlington	Hopkins	A. G. Spillman	Jas. Cloern, No. 11 Mine
17.	St. Bernard Mining Co.	Earlington	Hopkins	A. G. Spillman	G. T. Saddle, N. Diamond
18.	St. Bernard Mining Co.	Earlington	Hopkins	A. G. Spillman	Lee Nichols, Arnold Mine
19.	St. Bernard Mining Co.	Earlington	Hopkins	A. G. Spillman	Ray Cobb, Luton Mine
20.	St. Bernard Mining Co.	Earlington	Hopkins	J. J. Harlan	E. Wyaat, No. 9 Mine
21.	St. Bernard Mining Co.	Earlington	Hopkins	A. G. Spillman	

DISTRICT NO. 1—Wm. Roberts, Inspector, Madisonville, Ky.—Continued.

No.	Equip-ment	Ht. of Seam	Name or No. of Seam	Kind of Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Acc'ts.	R. R.	Remarks
26.	Elec.	4' 2"	9	Drift	55,000	6	102	163	L. & N.		
27.	Pick	4' 10"	9	Drift	37,640	8	47	199	L. & N.		
					2,059,818	324	2,054	4,261	Average 170 days.		
1.	Pick	5'	9	Drift	4,354	4	5	190	L. & N.		
2.	Elec.	6'	14	Slope	39,567	17	63	86	L. & N.		
3.	Pick	5' 11"	9	Drift	30,250	7	48	105	L. & N.		
4.	Elec.	6'	11	Shaft	142,607	17	176	101	L. & N.		
5.	Pick	6' 6"	11	Slope	31,364	5	30	175	L. & N.		
6.	Elec.	5'	9	Shaft	67,494	6	99	139	L. & N.		
7.	Elec.	6'	11	Shaft	81,642	10	150	82	L. & N.		
8.	Pick	4' 8"	9	Drift	34,374	5	49	131	L. & N.		
9.	Elec.	4' 8"	9	Slope	215,066	50	275	123	L. & N.		
10.	Pick	6'	11	Slope	17,400	3	25	111	L. & N.		
11.	Elec.	4' 10"	9	Drift	20,890	11	57	59	I. C.		
12.	Elec.	6'	11	Shaft	259,335	80	214	162	I. C.		
13.	Elec.	5'	12	Drift	48,725	7	68	135	I. C.		
14.	Elec.	4' 8"	9	Drift	120,996	19	137	168	L. & N.		
15.	Elec.	4' 10"	9	Drift	135,454	23	156	132	L. & N.		
16.	Elec.	4' 8"	9	Drift	156,079	35	166	173	L. & N.		
17.	Elec.	4' 6"	11	Drift	286,234	27	213	199	L. & N.		
18.	Elec.	5' 4"	9	Shaft	8,928	8	22	194	L. & N.		
19.	Elec.	4' 8"	9	Slope	141,707	26	166	137	L. & N.		
20.	Elec.	4' 10"	9	Shaft	150,573	16	156	178	L. & N.		
21.	Elec.	4' 8"	9	Slope	163,096	23	157	163	L. & N.		

DISTRICT NO. 1—Wm. Roberts, Inspector, Madisonville, Ky.—Continued.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
22.	Finley Coal Company	Madisonville	Hopkins	Thos. E. Finley	L. W. Franklin
23.	Dunning-Gordon Mining Co.	St. Charles	Hopkins	F. H. Fox	F. H. Fox
24.	Hawley-McIsaac Coal Co.	Dawson Springs	Hopkins		
25.	Pontiac Coal Company	Madisonville	Hopkins	J. P. Bassett	C. W. Blanks
26.	Robinson Coal Company	Madisonville	Hopkins	Leslie Hickman	M. Arbogosh
27.	Reinecke Coal Mining Co.	Madisonville	Hopkins	E. Brawn	R. G. Hart
28.	Nebo American Coal Co.	Nebo	Hopkins	Pearl Brassham	Abe Hale
29.	Sterling Coal Company	Daniel Boone	Hopkins	Paul G. Gannon	Tom Rogers
30.	Sunsit Coal Company	Madisonville	Hopkins	W. E. Carroll	J. C. Woodruff
31.	Woodruff Coal Company	St. Charles	Hopkins	Clay Woodruff	Albert James
32.	Hart Coal Corporation	Madisonville	Hopkins	J. H. Salmon	
33.	Curtis Coal Company	Madisonville	Hopkins	L. S. Rowe	
1.	Empire Coal Company	Crofton	Christian	S. J. Foster, Jr.	Dolph Woodruff
2.	Memphis Coal Mining Co.	Mannington	Christian	J. O. Martin	J. O. Martin
3.	Williams Coal Company	Mannington	Christian	B. D. Williams, Jr.	W. O. Morris
1.	Corydon Coal Company	Corydon	Henderson	J. D. Lewis	T. J. Nance
2.	Canoe Creek Coal Company	Henderson	Henderson	E. H. Hart	Paul Eubanks
3.	Dixie Coal Company	Spottsville	Henderson	Geo. S. Pritchett	Geo. S. Pritchett
4.	Nicholson Mining & Mfg. Co.	Henderson	Henderson	F. W. Nicholson	Dan Barrett
5.	Pittsburg Coal Company	Baskett	Henderson	Alex. Blair	J. H. Napee

DISTRICT NO. 1—Wm. Roberts, Inspector, Madisonville, Ky.—Continued.

No.	Equip- ment	Ht. of Seam	Name or No. of Seam	Kind of Op- er- ing	Tons Pro- duced	Men Out- side	Men In- side	Days Worked	Rat- al Ac- cts.	R. R.	Remarks
22.	Pick	6' 6"	11	Shaft	7,260	5	20	34		L. & N.	Not co-operating
23.	Steam	5'	9	Strip	13,724	14		150		L. & N.	
24.	Steam	5'	9	Strip	84,440	11		28		L. & N.	
25.	Pick	6'	11	Slope	20,944	5	37	85		L. & N.	
26.	Pick	6'	6	Drift							
27.	Elec.	6'	11	Shaft	148,210	24	159	115		L. & N.	
28.	Elec.	5'	9	Shaft	31,780	7	30	95		I. C.	
29.	Elec.	6'	11	Slope	140,867	25	102	202	1	L. & N.	
30.	Elec.	6'	11	Shaft	193,000	17	176	165		L. & N.	
31.	Pick	4' 10"	9	Slope	14,210	3	22	151		L. & N.	
32.	Elec.	4' 8"	9 & 11	Slope	194,679	30	303	137		L. & N.	
33.		5'	9		33,017	9	33	150		L. & N.	
					3,038,266	499	2,992	3,598	Average 112 days.		
1.	Elec.	4'	6	Shaft	16,985	38	58	79		L. & N.	
2.	Elec.	4'	6	Drift	28,261	21	112	69		L. & N.	
3.	Pick	4'	6	Slope	32,446	7	100	93		L. & N.	
					77,692	66	270	231	Average 80 days.		
1.	Elec.	5'	12	Shaft	69,923	6	99	135			Partially co-oper.
2.	Elec.	4'	9	Shaft	46,992	4	49	234		L. & N.	
3.	Pick	4'	9	Shaft	6,668	4	13	115		L. & N.	
4.	Elec.	4'	9	Shaft	26,110	4	20	255		L. & N.	
5.	Elec.	4'	9	Shaft	100,155	9	110	175		L. & N.	

DISTRICT NO. 1—Wm. Roberts, Inspector, Madisonville, KY.—Continued.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
6.	Panama Coal Company	Henderson	Henderson	C. D. Cunningham	J. A. Doss
7.	Jennings Coal Company	Henderson	Henderson	H. B. Jennings	A. S. Rice
8.	Southland Coal Co., No. 1	Henderson	Henderson		
9.	Southland Coal Co., No. 2	Henderson	Henderson		
10.	Smith Mills Mining Co.	Smith Mills	Henderson	W. W. Cooper	W. W. Cooper
11.	Hebbardsville Coal Co.	Hebbardsville	Henderson	C. C. Blanford	C. C. Blanford
12.	Barrett & Goldsberry	Hebbardsville	Henderson	Chas. Goldsberry	Dan Barrett
13.	Clark-McDonald Coal Co.	Hebbardsville	Henderson	J. W. McDonald	J. T. Lyon
14.	Junior Coal Company	Hebbardsville	Henderson	J. E. Stringer	J. D. Edine
15.	Ky. Diamond Coal Co.	Corydon	Henderson	A. G. Merritt	Mack Dowell
1.	Bell Union Coal & Mining Co.	Curlw	Union	J. D. Scott	Aubrey Ames
2.	Hercules Coal Company	Morganfield	Union	R. E. L. Davis	R. E. L. Davis
3.	Kington Coal Mining Co.	Morganfield	Union	A. O. Stanley	O. O'Bryan
4.	Madison Coal Corporation	Dekovan	Union	S. J. Merritt	Chas. Morris
5.	Morganfield Coal & Coke Co.	Morganfield	Union	J. W. McGinnis	J. V. McGinnis
6.	Union County Coal Company	Uniontown	Union	W. L. Jarvis	A. D. Reed
7.	West Kentucky Coal Co., No. 1	Sturgis	Union	W. A. Jones	C. W. Edwards
8.	West Kentucky Coal Co., No. 2	Sturgis	Union	W. A. Jones	A. J. Edwards
9.	West Kentucky Coal Co., No. 3	Sturgis	Union	W. A. Jones	Neal McCann
10.	West Kentucky Coal Co., No. 4	Sturgis	Union	W. A. Jones	M. D. Hudson
11.	Bell Coal & Navigation Co.	Sturgis	Union	Wm. Herbert	Dan Hunt

DISTRICT NO. 1—Wm. Roberts, Inspector, Madisonville, KY.—Continued.

No.	Height of Shaft or Slope	Name or No. of Seam	Kind of Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Acc'ts.	R. R.	Remarks
6.	Elec. 4' 8"	9	Shaft	45,609	10	88	117		L. & N.	
7.	Pick 4' 4"	9	Shaft	42,138	8	55	164		L. & N.	
8.	Elec. 4'	9	Shaft	259,112	29	328	182		L. & N.	
9.	Elec. 7'	12	Shaft	202,714	24	293	175		L. & N.	
10.	Pick 4' 2"	9	Shaft	1,658	3	5	144		L. & N.	
11.	Pick 4' 2"	9	Shaft	7,791	2	8	229		L. & N.	
12.	Pick 4' 2"	9	Shaft	13,593	3	19	160		L. & N.	
13.	Pick 4' 2"	9	Slope	40,549	7	50	210		L. & N.	
14.				25,000	5	20	140	1		Not co-operating Partially co-oper.
15.				818,089	112	1,060	2,300	Average	177 days.	
1.	Elec. 5'	9	Slope	114,670	26	145	177		I. C.	
2.	Pick 4' 6"	11	Shaft	32,776	7	54	172		L. & N. & I. C.	
3.	Elec. 5'	11	Shaft	23,578	8	65	70		L. & N.	
4.	Elec. 4' 8"	9	Drift	385,386	50	270	331		I. C.	
5.	Pick 4' 6"	11	Shaft	35,977	10	75	192	1	I. C.	
6.	Elec. 5'	11	Shaft	97,618	8	125	265		I. C.	
7.	Elec. 5'	9	Shaft	120,437	12	90	231		I. C.	
8.	Elec. 4' 10"	9	Shaft	176,770	15	130	256		I. C.	
9.	Elec. 5' 3"	9	Slope	169,759	17	108	240	2	I. C.	
10.	Elec. 4' 10"	9	Shaft	200,574	18	165	243		I. C.	
11.	Elec.	Bell	Slope	7,745	15	16	223		I. C.	
				1,365,290	186	1,243	2,400	Average	218 days.	

DISTRICT NO. 2—M. H. Blythe, Inspector, Central City, Ky.

	1921	1922	Increase	Per Cent	Decrease	Per-cent
Tons produced	3,953,420	5,919,035	1,965,615	49.		
Number of mines	58	71	13	22.41		
Number of men outside	1,010	1,018	8	7.81		
Number of men inside	6,260	7,031	821	12.94		
Total number men employed	7,270	8,099	829	11.41		
Average number days worked	118	132	14	11.08		
Number of fatal accidents	7	9	2	28.75		
Tons produced per accident	564,774	657,670	92,896	16.		
Number of electric mines	29	41	12	41.31		
Number of pick mines	29	30	1	3.44		
Number of wagon mines		15				
Tons for wagon mines		15,000				

AVERAGE ANALYSIS OF SEAMS OF COAL IN THE SECOND DISTRICT

County	Name of Seam	Moisture	Volatile Matter	Fixed Carbon	Ash	Sulphur	B. T. U.
Davies	No. 9	1.44	39.50	49.19	9.84	3.46	13,504
Hancock	No. 9	1.44	39.50	49.19	9.84	3.46	13,504
McLean	No. 9	1.44	39.50	49.19	9.84	3.46	13,504
Muhlenberg	No. 9	1.44	39.50	49.19	9.84	3.46	13,504
Muhlenberg	No. 11	2.22	37.48	46.68	13.62	3.62	13,504
Ohio	No. 9	1.44	39.50	49.19	9.84	3.46	13,504

DISTRICT NO. 2—M. H. Blythe, Inspector, Central City, Ky.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
1.	Central Ky. Coal Co., Nos. 1, 2, 3, 4	Lewisport	Hancock	J. A. McCain	Fred Alsop
2.	Scalf Coal Mining Co.	Lewisport	Hancock	C. S. Scalf	
3.	M. E. Divine Coal Co.	Hawesville	Hancock	G. Duncan	W. E. Black
4.	Genievie Duncan Coal Co.	Hawesville	Hancock	J. A. McCain	Fred Alsop
5.	Central Ky. Block Coal M. Co.	Lewisport	Hancock		
1.	Bon Harbor Coal Company	Owensboro	Daviess	Jim Cheganis	George Smith
2.	Geo. H. Rudy Coal Co.	Owensboro	Daviess	R. W. Moglinger	R. W. Moglinger
3.	J. Lee Rudy Coal Co.	Owensboro	Daviess	A. Clements	G. W. Gunn
4.	Lily Meade Coal Company	Owensboro	Daviess	Wm. O'Bryan	J. W. Day
5.	M. & O. Coal Mining Co.	Owensboro	Daviess	Will Overstreet	Will Eueing
6.	Ratican Coal Company	Owensboro	Daviess	J. A. Derne	
7.	R. L. O'Bryan Coal Co.	Owensboro	Daviess	R. L. O'Bryan	
8.	Superior Coal Company	Owensboro	Daviess	J. W. Newcomb	
9.	Universal Coal Co., Nos. 1 and 2	Owensboro	Daviess	H. Henry	
10.	W. T. Patrick Coal Co.	Owensboro	Daviess	W. T. Patrick	
11.	Delaware Coal Company	Delaware	Daviess	T. H. McGinnis	
1.	Beaver Dam Coal Company	Beaver Dam	Ohio	R. Baker	B. Baker, Williams Mine
2.	Broadway Coal Mining Co.	Simmons	Ohio	W. Rich	W. Rich
3.	Bishop Coal Company	Centertown	Ohio	O. Bishop	J. W. Reader
4.	Holt Bros. Mining Company	McHenry	Ohio		

DISTRICT NO. 2—M. H. Blythe, Inspector, Central City, Ky.—Continued.

No.	Height of Shaft	Name or No. of Seam	Kind of Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Acc'ts.	R. R.	Remarks
1.	Pick ... 5'	No. 5	Drift ...	3,260	5	25	150		L. H. & St. L.	
2.	Pick ... 4'	Stray	Drift ...	2,123	1	4	150		L. H. & St. L.	
3.	Pick ... 3'	9	Drift ...	1,310	1	4	107		L. H. & St. L.	
4.	Pick ... 4'	9	Drift ...	2,400	1	6	225		L. H. & St. L.	
5.	Pick ... 4'	9	Drift ...	3,260	5	25	100		L. H. & St. L.	
				12,853	13	64	732	Average 146 days.		
1.	Pick ... 4'	9	Slope ...	21,000	3	21	146		L. H. & St. L.	
2.	Pick ... 4'	9	Shaft ...	23,534	2	23	273		L. H. & St. L.	
3.	Pick ... 4'	9	Shaft ...	23,500	2	25	273		L. H. & St. L.	
4.	Pick ... 4'	9	Shaft ...	24,065	4	29	286		L. H. & St. L.	
5.	Pick ... 4'	9	Shaft ...	16,820	2	21	280		L. H. & St. L.	
6.	Pick ... 4'	9	Shaft ...	16,907	4	25	256		L. H. & St. L.	
7.	Pick ... 4'	9	Shaft ...	10,160	2	7	172		L. H. & St. L.	
8.		9		20,890	9	20	193		L. H. & St. L.	
9.	Pick ... 5'	9		3,398	17	13	24		L. H. & St. L.	
10.	Pick ... 4'	9	Shaft ...	380	1	2	147		L. H. & St. L.	
11.	Pick ... 4'	9	Shaft ...	20,890	7	20	193		L. H. & St. L.	
				181,544	53	216	2,243	Average 204 days.		
1.	Elec. ... 4'	8"	Drift ...	220,010	28	255	166		I. C.	
2.	Elec. ... 4'	6"	Shaft ...	157,228	25	203	165		I. C.	
3.	Pick ... 4'	2"	Drift ...	22,875	6	38	88		L. & N.	
4.	Elec. ... 4'	2"	Drift ...	121,680	9	155	120		I. C.	

DISTRICT NO. 2—M. H. Blythe, Inspector, Central City, Ky.—Continued.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
5.	Huff Coal Company	McHenry	Ohio	J. H. Brady	O. L. Senson
6.	Kentucky Coke Company	Echols	Ohio	W. E. Hicks	L. G. Ford
7.	Tichenor Coal Company	McHenry	Ohio	D. Tichenor	Jno. Sam
8.	Peacock Mining Company	Centertown	Ohio	M. D. Hefner	Ernest Phelps
9.	Wm. Hamilton Coal Co.	Cromwell	Ohio	Wm. Hamilton	T. J. Barrass
10.	Beaver Dam Coal Co., Nos. 1 & 2	Beaver Dam	Ohio	R. Baker	G. L. Jenkins
11.	Rockport Coal Co., No. 1	Rockport	Ohio	Geo. Sneddon	Joe Jones
12.	Shavnee Coal Company	McHenry	Ohio	W. L. Funkhouser	T. J. Alsop
13.	Horton Coal Company	Horton	Ohio	T. J. Alsop	C. W. Wells
14.	C. W. Wells Coal Co.	Deanfield	Ohio	C. W. Wells	G. R. Venerable
15.	Rockport Coal Company, No. 2	Rockport	Ohio	Geo. Sneddon	
1.	Douglass Coal Mining Co.	Island	McLean	W. H. Hill	Thos. Gardner
2.	E. M. T. Coal Company	Island	McLean	L. B. McHargue	R. B. Easton
3.	Island Coal Company	Island	McLean	E. S. Rangle	Thos. Blondes
4.	F. B. S. Coal Company	Island	McLean		
5.	O. K. Coal Company	Calhoun	McLean	Jno. R. Priest	O. C. Penrod
1.	Black Diamond C. & M. Co.	Drakesboro	Muhlenberg	J. F. Mills	
2.	Devier Coal Company	Cleaton	Muhlenberg	J. P. Cox	H. Sudworth
3.	Beech Creek Coal Co., Nos. 1 & 2	Beech Creek	Muhlenberg	J. H. Chunley	
4.	C. M. Miller Coal Co.	Central City	Muhlenberg	C. M. Miller	

DISTRICT NO. 2—M. H. Blythe, Inspector, Central City, Ky.—Continued.

No.	Equip- ment	Ht. of Seam	Name or No. of Seam	Kind or Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Acc'ts.	R. R.	Remarks
5.	Pick	5'	9	Slope	11,640	3	33	80	1	C.	
6.	Elec.	4' 8"	9	Shaft	104,385	26	80	246	1	C.	
7.	Pick	4' 2"	9	Drift	25,528	9	52	76	1	C.	
8.	Pick	4' 6"	9	Drift	10,300	4	24	68	1	C.	
9.	Pick	4' 9"	9	Drift	11,818	21	23	185	1	C.	
10.	Elec.	4' 8"	9	Drift	240,165	62	270	135	1	C.	
11.	Elec.	4' 3"	9	Drift	134,475	25	224	117	1	C.	
12.	Elec.	4' 8"	9	Shaft	67,805	7	62	194	1	C.	
13.	Pick	4' 8"	9	Drift	15,488	5	43	199	1	C.	
14.	Pick	4' 6"	9	Shaft	25,638	6	36	214	1	C.	
15.	Elec.	4' 3"	9	Shaft	38,584	13	73	50	1	C.	
					1,207,619	249	1,371	2,103	Average 143 days.		
1.	Elec.	4' 2"	9	Shaft	101,125	6	72	128		L. & N.	
2.	Pick	4' 4"	9	Shaft	51,852	12	81	72		L. & N.	
3.	Elec.	4' 4"	9	Slope	29,178	8	53	120		L. & N.	
4.	Elec.	4'	9	Shaft	5,517	3	8	39		L. & N.	
5.	Pick	3' 10"	9	Slope	2,512	2	7	60		L. & N.	
					190,184	31	221	419	Average 84 days.		
1.	Elec.	5'	9	Shaft	118,897	25	235	88		C. & O.	
2.	Elec.	5' 8"	9	Shaft	141,424	20	202	205	1	C. & O.	
3.	Elec.	5' 7"	9	Drift	268,195	40	310	135		Morehd & N.T.	
4.	Pick	5' 11"	11	Shaft	7,500	3	12	150		L. & N.	

DISTRICT NO. 2—M. H. Blythe, Inspector, Central City, Ky.—Continued.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
5.	Crescent Coal Company	Bevier	Muhlenberg	F. P. Rice	R. L. Adcock
6.	Greenville Coal Co., No. 1	Greenville	Muhlenberg	C. E. Martin	G. Venerable
7.	Green River Collieries Co.	Mogg	Muhlenberg	F. E. Rolland	T. J. Jarvis
8.	Greenville Coal Co., No. 2	Powderly	Muhlenberg	C. M. Martin	C. Green
9.	Gibraltar Coal Company	Central City	Muhlenberg	A. T. Baker	W. Abbercrombie, Holt Mine
10.	Gibraltar Coal Company	Central City	Muhlenberg	Jno. Grigsby	Mike Yokley, Gibraltar Mine
11.	Gibraltar Coal Company	Central City	Muhlenberg	J. H. Tucker	Pat Hopkins, Brownie Mine
12.	W. G. Duncan Coal Co.	Greenville	Muhlenberg	W. G. Duncan	A. Pollock
13.	Hayden Coal Company	Mercer	Muhlenberg	Harry Wallace	
14.	Kirk Coal Company	Beech Creek	Muhlenberg	W. L. Russell	J. T. Cloudwallander
15.	Kentucky Midland Coal Co.	Midland	Muhlenberg	S. R. Hughes	O. L. Bullock
16.	Woodson Coal Mining Co.	Hillside	Muhlenberg	F. A. Hall	Floyd Putman
17.	Lewis Benemitz Coal Co.	Greenville	Muhlenberg	L. Benemitz	J. B. Little
18.	Madison Coal Corporation	Central City	Muhlenberg	W. H. Reed	
19.	Mercer Coal Company	Central City	Muhlenberg	S. A. Green	
20.	Middle West Coal Company	Troy	Muhlenberg	M. Goodman	C. R. Fulkerson
21.	Nelson Creek Coal Company	Nelson	Muhlenberg	J. W. Bastin	C. L. Fulkerson
22.	Oakland Coal Company	Greenville	Muhlenberg	Tom Mitchell	G. Simpson
23.	Phoenix Coal Company	Tarna	Muhlenberg	J. F. Bridges	Geo. Simpkins
24.	Pacific Coal Mining Co.	Mercer	Muhlenberg	Ervin Glass	Sam Hart
25.	Rogers Bros. Coal Co.	Bevier	Muhlenberg	T. G. Rogers	R. A. Casselliner
26.	Jim Thompson Coal Co.	Drakesboro	Muhlenberg	J. J. Thompson	D. A. Woodburn
27.	W. A. Wickliff Coal Co.	Greenville	Muhlenberg	Robt. Wickliff	
28.	W. G. Duncan Coal Co.	Greenville	Muhlenberg	W. G. Duncan	A. Pollock
29.	Kentucky Washed Coal Co.	Tarna	Muhlenberg	T. M. Offier	L. A. Thomas
30.	Steed Coal Company	Drakesboro	Muhlenberg		

DISTRICT NO. 2—M. H. Blythe, Inspector, Central City, Ky.—Continued.

No.	Equip-ment	Hi. Seam or	Name or No. of Seam	Kind or Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Acc'ts.	R. R.	Remarks
5.	Elec.	5' 4"	9	Shaft	180,658	29	240	154	1	Eastern Ky.	
6.	Elec.	4' 6"	9	Shaft	166,566	53	204	214	1	Lenox	
7.	Elec.	7'	14	Shaft	74,290	29	134	106		I. C.	
8.	Elec.	4' 10"	9	Shaft	214,199	30	241	184		I. C.	
9.	Elec.	5' 3"	9	Shaft	158,236	15	200	133		I. C. & L. & N.	
10.	Elec.	4' 2"	9	Shaft	230,298	11	205	147		I. C. & L. & N.	
11.	Elec.	5' 1"	9	Shaft	99,893	7	96	156		I. C. & L. & N.	
12.	Elec.	4' 6"	11	Drift	397,302	86	446	156		I. C. & L. & N.	
13.	Elec.	6' 8"	9	Slope	39,103	9	45	184		I. C.	
14.	Elec.	5' 8"	9	Drift	137,994	15	163	186		L. & N.	
15.	Elec.	4' 6"	9	Shaft	139,018	12	181	149		L. & N.	
16.	Elec.	4' 9"	9	Shaft	86,918	12	98	161		I. C.	
17.	Pick	5' 8"	9	Drift	12,602	2	22	96		I. C.	
18.	Elec.	4' 10"	9	Shaft	344,118	47	333	280	2	I. C.	
19.	Elec.	5'	9	Shaft	152,309	10	167	153		I. C.	
20.	Pick	5' 5"	9	Drift	38,850	5	63	139		I. C.	
21.	Elec.	4' 6"	9	Shaft	136,750	17	168	274		I. C.	
22.	Elec.	5'	9	Drift	55,741	11	71	111		I. C.	
23.	Elec.	5'	9	Shaft	226,207	15	193	230		I. C.	
24.	Elec.	4' 8"	9	Shaft	162,455	22	226	174	1	I. C.	
25.	Elec.	5'	9	Drift	157,000	15	162	65		I. C.	
26.	Elec.	5'	9	Shaft	55,659	10	85	90			
27.	Elec.	5' 6"	9	Shaft	192,999	32	262	144		L. & N.	
28.	Elec.	3' 6"	9	Shaft	241,044	62	258	157	1	I. C.	
29.	Elec.	7'	11 & 12	Drift	12,849	5	30	19		L. & N.	
30.	Pick	4' 9"	9	Drift	23,162	4	32	97		L. & N.	

DISTRICT NO. 2—M. H. Blythe, Inspector, Central City, Ky.—Continued.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
31.	Central Coal & Iron Co.	Central City	Muhlenberg		
32.	Diamond Block Coal Co.	Drakesboro	Muhlenberg	Fred Dick	M. Dowell
33.	Pond Creek Coal Company	Central City	Muhlenberg	E. A. Hall	O. L. Brillock
34.	Liberty Coal Mining Co.	Hillside	Muhlenberg		

DISTRICT NO. 2—M. H. Blythe, Inspector, Central City, Ky.—Continued.

No.	Equip-ment	Ht. of Seam	Name or No. of Seam	Kind or Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Acc'ts.	R. R.	Remarks
31.	Pick	4' 8"	9	Shaft	14,680	10	70	96			Not co-operating
32.	Mach.	5' 6"	11	Shaft	15,000	4	32	72		L. & N.	
33.					3,236	5	23	44		I. C.	Partially co-oper.
34.					4,312,335	672	5,209	4,749		Average 143 days.	

DISTRICT NO. 3—J. A. Lewis, Inspector, Lexington, Ky.

	1921	1922	Increase	Per Cent	Decrease	Per Cent
Tons produced	1,009,027	1,082,377	673,350	66.73		
Number of mines	54	75	21	38.38		
Number of men outside	619	746	127	20.56		
Number of men inside	2,151	2,901	750	34.86		
Total number of men employed	2,770	3,647	877	31.65		
Average number days worked	99	146	47	nearly 47.47		
Fatal accidents	8	2			6	75
Tons produced per accident	126,128	841,198	715,060	56.00		
Number of electric mines	9	17	8	88.00		
Number of pick mines	45	58	13	28.00		
Number of wagon mines		72				
Number mines not co-operating		4				
Tons for wagon mines		72,000				
Tons for non-co-operating mines		40,000				

AVERAGE ANALYSIS OF SEAMS OF COAL IN THE THIRD DISTRICT

County	Name of Seam	Moisture	Volatile Matter	Fixed Carbon	Ash	Sulphur	B. T. U.
Boyd	No. 7	5.62	39.58	50.70	4.10	1.66	
Morgan	No. 2	2.03	45.54	46.45	5.98	.74	14,277
McCreary	No. 1, 2, 3	3.00	40	45.00	12.00	3.00	
Lee	Sturgeon	.94	43.06	52.90	3.10	.51	14,144
Laurel	Jellico	1.99	40.53	54.23	3.25	1.43	14,655
Carter							
Clay	Jellico	1.99	40.53	54.23	3.25	1.43	14,666
Breathitt	No. 4 Rider	2.85	39.50	52.33	5.27	.76	14,450

DISTRICT NO. 3—J. A. Lewis, Inspector, Lexington, Ky.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
1.	American Rolling Mill Co.	Rush	Boyd	Sam Staton	P. M. Shawhan
2.	Big Run Coal Company	Princess	Boyd	G. W. McNeal	C. H. Jauchius
3.	Princess Coal Company	Princess	Boyd	C. B. Bartells	
4.	Wm. Wurts Coal Company	Ashland	Boyd	Wm. Wurts	
5.	McNeal & Jauchius Coal Co.	Coalton	Boyd		
1.	Clearfield Lumber Company	Redwine	Morgan	J. H. Adkins	Tom Davis
2.	Ky. Block Cannel Coal Co.	Cannel City	Morgan	W. P. Stamper	J. H. Adkins
3.	Lee Coal Company	Clearfield	Morgan	Guy Snyder	O. B. Coffee
4.	Premium Cannel Coal Co.	Lenox	Morgan	H. C. Cox	H. Ratliff
5.	Redwine Cannel Coal Co.	Redwine	Morgan	Drew Evans	Arson Lowe
6.	Pine Knot Cannel Coal Co.	Redwine	Morgan	Drew Evans	R. C. Moore
7.	Redwine Bussey Process Co.	Redwine	Morgan	W. B. Ely	
8.	D. C. Campbell Coal Co.	Redwine	Morgan		
1.	Comargo Coal Company	Lacoleman	McCreary	B. C. Jones	W. A. Robins
2.	Barron Fork Coal Co.	Barron Fork	McCreary	B. C. Eflin	J. B. Leveridge
3.	Paint Cliff Mining Co.	Paint Cliff	McCreary	E. Livingston	J. T. Higgins
4.	St. Mihel Coal Co.	Paint Cliff	McCreary	Sol. L. Smith	W. W. Stoll
5.	Stearns Coal & Lumber Co.	Stearns	McCreary	J. E. Butler	Porter Wright
6.	W. S. Tate Coal Co.	Indian Head	McCreary	W. S. Tate	W. S. Tate
7.	Bry-Mac Coal Company	Strunk	McCreary		
8.	Stearns Co-operative Coal Co.	Stearns	McCreary	J. E. Butler	W. T. Head

DISTRICT NO. 3—J. A. Lewis, Inspector, Lexington, Ky.—Continued.

No.	Equip.	Ht. of Seam	Name or No. of Seam	Kind of Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Accis.	R. R.	Remarks
1.	Air	3' 6"	7	Drift	48,786	12	85	230		C. & O.	
2.	Elec.	3' 8"	7	Drift	18,800	6	18	132		C. & O.	
3.	Air	3' 10"	7	Drift	8,424	6	11	218		C. & O.	
4.	Pick	3' 10"	7	Drift	18,728	4	22	205		C. & O.	
5.	Pick	3' 10"	7	Drift	9,623	3	12	240		C. & O.	
					104,361	31	148	1,025		Average 205 days.	
1.	Pick	3' 6"	3	Drift	4,775	2	11	187		C. & O.	
2.	Elec.	3' 6"	2	Drift	21,427	40	124	238		C. & O.	
3.	Pick	2' 6"	2	Drift	5,196	9	21	128		C. & O.	
4.	Pick	3' 6"	2	Drift	5,720	8	20	100		C. & O.	
5.	Pick	2' 4"	2	Drift	3,994	3	12	90		C. & O.	
6.	Pick	3' 6"	2	Drift	4,226	7	16	64		C. & O.	
7.	Pick	3' 6"	2	Drift	3,600	3	10	90		C. & O.	
8.	Pick	3' 6"	2	Drift	2,416	12	8	30		C. & O.	
					51,354	84	322	927		Average 116 days.	
1.	Pick	4' 6"	2	Drift	15,311	17	44	175		Southern	
2.	Pick	2' 10"	3	Drift	51,079	25	96	169		Southern	
3.	Pick	4' 6"	2	Drift	29,816	12	40	140		Southern	
4.	Pick	4' 6"	2	Drift	7,361	5	19	72		Southern	
5.	Elec.	5' 5"	1	Drift	560,927	173	567	157	1	Southern	
6.	Pick	3' 6"	3	Drift	22,030	30	90	184		Southern	
7.	Pick	3' 6"	3	Drift	4,631	15	32	16		Southern	
8.	Elec.	5'	1	Drift	65,496	5	108	190		Southern	
					756,651	282	996	1,103		Av. 138 days nearly	

DISTRICT NO. 3—J. A. Lewis, Inspector, Lexington, Ky.—Continued.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
1.	Beattyville Coal Company	Beattyville	Lee	G. W. Anderson	Geo. Parks
2.	Biggs Coal Company	Banford	Lee	L. A. Shoemaker	
3.	Ky. River Coal & Feed Co.	Beattyville	Lee		
4.	Ky. River Coal Company	Beattyville	Lee		
5.	Wheeler-Heaton Coal Co.	Heidelberg	Lee		
6.	Copers Cave Coal Company	Banford	Lee		
7.	W. C. Price Coal Company	Beattyville	Lee		
8.	Robert Jamison Coal Co.	Ida May	Lee		
1.	Goose Creek Coal Co.	London	Laurel	C. W. Brown	
2.	Jewells Coal Company	East Bernstadt	Laurel	L. N. Birk	George Parks
3.	Mountain Gem Coal Mining Co.	East Bernstadt	Laurel	R. D. Jones	
4.	New Diamond Coal Company	East Bernstadt	Laurel	J. M. Hunt	J. M. Hunt
5.	Frank Jollico Coal Co.	Fariston	Laurel	Lee Calwell	Wash Hensley
6.	Fernie Coal Company	Viva	Laurel		
7.	Stringer Coal Company	Viva	Laurel		
8.	Cloyd & House Coal Co.	Viva	Laurel		
1.	Estate of N. Thayer	Parlow	Carter	S. G. Bayles	Louis Duncan
2.	General Refractory Co.	Hitchens	Carter	C. S. Hitchens	Geo. Stephens
3.	Harbison-Walker Ref. Co.	Denton	Carter	S. E. Ruth	C. L. Reeves
4.	Johns Run Coal Company	Grayson	Carter	Geo. Fleming	H. Holbrooks

DISTRICT NO. 3—J. A. Lewis, Inspector, Lexington, Ky.—Continued.

No.	Equip- ment	Ht. of Seam	Name or No. of Seam	Kind of Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Acci- ds.	R. R.	Remarks
1.	Pick	3'	3	Drift	45,000	10	35	100		L. & N.	
2.	Pick	3'	Sturgeon	Drift	12,000	2	15	157		L. & N.	
3.	Pick	3'	3	Drift	6,000	3	12	250		L. & N.	
4.	Elec.	3'		Drift	36,040	48	179	52		L. & N.	
5.	Pick	3'		Drift							Not co-operating
6.	Elec.	3'		Drift							Not co-operating
7.	Pick	3'		Drift							Not co-operating
8.	Pick	3'		Drift							Not co-operating
					99,600	63	241	559	Average 139 days.		
1.	Pick	3'	Jellico	Drift	17,000	2	26	292		L. & N.	
2.	Pick	3'	Jellico	Drift	35,579	6	50	180		L. & N.	Partially co-oper.
3.	Pick	3'	Jellico	Drift	40,000	15	106	116		L. & N.	
4.	Pick	3'	Jellico	Drift	40,979	10	69	162		L. & N.	
5.	Pick	2" 8"	Jellico	Drift	4,035	6	31	114		L. & N.	
6.	Pick	3' 2"	Pittsburg	Drift	10,200	2	17	170			Not fully co-oper.
7.	Pick	3'	Pittsburg	Drift	6,000	2	8	170			Not fully co-oper.
8.	Pick	3'	Pittsburg	Drift	6,000	3	9	169			Not fully co-oper.
					159,293	27	316	1,373	Average 171 days.		
1.	Pick	3'	Jellico	Drift	14,626	6	26	195		C. & O.	
2.	Elec.	3' 10"	3	Drift	18,406	13	43	146		C. & O.	
3.	Pick	4' 8"	7	Drift	32,871	17	44	194		C. & O.	
4.	Elec.	5'	5	Drift	21,472	7	32	171		C. & O.	

DISTRICT NO. 3—J. A. Lewis, Inspector, Lexington, Ky.—Continued.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
5.	Little Fork Coal Company	Willard	Carter	J. A. Chittum	Chas. Fleming
6.	Willard Coal Company	Willard	Carter	L. H. Bays	Claud Cassell
7.	Dry Fork Coal Company	Willard	Carter	J. M. Bays	J. M. Bays
8.	Lick Creek Mining Co.	Willard	Carter	C. H. McFarland	J. A. Fallon
9.	Midland Coal Company	Rush	Carter	W. R. Stewart	B. Herford
10.	Kentucky Gem Coal Co.	Rush	Carter		
1.	Clay County Coal Co.	Hima	Clay	W. L. Wichester	
2.	Columbia Panama Coal Co.	Manchester	Clay	E. L. Shell	W. Foutney
3.	Furnace Gap Coal Company	Hima	Clay	Henry Lee	C. H. Martin
4.	Gregory Branch Coal Co.	Sibert	Clay	C. H. Lee	Jeff France
5.	Horse Creek Coal Company	Sibert	Clay	H. M. Hensley	M. Green
6.	T. J. Allen Coal Company	Sibert	Clay	Wm. Marcum	S. McRuney
7.	Morning Glow Coal Company	Barbourville	Clay	J. C. Cloyd	H. B. Clodfetter
8.	Hard Coal Company	Manchester	Clay	A. M. Decker, Jr.	S. S. Duglass
9.	Golden & Decker Coal Co.	Sibert	Clay	J. W. Lamb	
10.	Manchester Mining Co.	Sibert	Clay	C. M. Kelly	
11.	Kensaw Mining Company	Sibert	Clay		
1.	Barwick Coal Company	Barwick	Breathitt	Will Ones	Enoch May
2.	Boone Fork Coal Co.	Jackson	Breathitt	J. E. Dean	
3.	Ellser Coal Company	Saldee	Breathitt	J. L. Slusher	J. W. Wallen

DISTRICT NO. 3—J. A. Lewis, Inspector, Lexington, Ky.—Continued.

No.	Equip.	Ht. of Seam	Name or No. of Seam	Kind of Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Acc'ts.	R. R.	Remarks
5.	Pick	4' 8"	5	Drift	14,037	7	15	127		C. & O.	
6.	Pick	3'	7	Drift	8,770	5	15	120		C. & O.	
7.	Pick	3'	7	Drift	3,994	3	13	95		C. & O.	
8.	Pick	3'	7	Drift	5,007	3	16	83		C. & O.	
9.	Pick	3' 6"	7	Drift	21,131	5	28	279		C. & O.	
10.	Pick	3' 6"	8	Drift	16,361	16	28	199		C. & O.	
					156,185	82	260	1,609	Average 159 days.		
1.	Pick	3'	Jellico	Drift	23,462	11	44	180		L. & N.	
2.	Pick	5'	Jellico	Drift	6,209	1	7	169		L. & N.	
3.	Pick	3' 4"	Jellico	Drift	21,430	15	27	144		L. & N.	
4.	Pick	3' 2"	Jellico	Drift	22,849	13	43	168		L. & N.	
5.	Pick	3' 4"	Jellico	Drift	80,820	4	26	46		L. & N.	
6.	Pick	3' 4"	Jellico	Drift	2,050	2	9	49		L. & N.	
7.	Pick	3'	Jellico	Drift	8,354	3	19	53		L. & N.	
8.	Pick	2' 6"	Manchester	Drift	1,300	2	16	40		L. & N.	
9.	Pick	3'	Horse Creek	Drift	3,300	4	15	25		L. & N.	
10.	Pick	3' 4"	Jellico	Drift	11,981	18	22	121		L. & N.	
11.	Pick	4' 6"	Horse Creek	Drift	2,560	2	8	80		L. & N.	Partially co-oper.
1.	Pick	3'	No. 4 Rider	Drift	20,600	2	31	150		L. & N.	
2.	Pick	-----	4	Drift	4,885	3	11	100		L. & N.	
3.	Elec.	4'	No. 4 Rider	Drift	21,666	6	10	120		L. & N.	

DISTRICT NO. 3—J. A. Lewis, Inspector, Lexington, Ky.—Continued.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
4.	Carbon Coal Company	Jackson	Breathitt	Emroy Cane	David Caudill
5.	Blue Creek Mining Co.	Jackson	Breathitt	W. H. Homie	W. H. Homie
6.	Mowbray-Robinson Coal Co.	Quicksand	Breathitt	Hawk Williams	
7.	Pan Handle Coal Company	Jackson	Breathitt	E. O. Bailey	R. T. Davis
8.	R. T. Davis Coal Company	Jackson	Breathitt	Hugh Nulland	
9.	Riverside Coal Company	Gunn	Breathitt	J. W. Gordon	
10.	Shackelford & Taulbee	Barwick	Breathitt	R. Shackelford	A. Taulbee
11.	Washington Coal Company	Saldee	Breathitt	G. W. Gambrill	A. S. Campbell
12.	Breathitt Coal & Timber Corp.	Royalton	Breathitt	C. W. Fletcher	James Russell
13.	South Mountain Coal Co.	Haddix	Breathitt	Oliver Kash	W. L. Glency
14.	Jackson Block Coal Co.	Jackson	Breathitt	A. L. Gambill	D. P. Strong
15.	White Coal Company	Which	Breathitt	M. G. Jingling	
16.	Wm. Reynolds Coal Co.	Jackson	Breathitt	A. C. Hunt	Marion Roberts
17.	Lick Branch Coal Company	Saldee	Breathitt		

DISTRICT NO. 3—J. A. Lewis, Inspector, Lexington, Ky.—Continued.

No.	Equip.	Ht. of Seam	Name or No. of Seam	Kind of Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Acc'ts.	R. R.	Remarks
4.	Pick	3' 6"	No. 4 Rider	Drift	10,412	9	29	146		L. & N.	
5.	Pick	3' 6"	No. 4 Rider	Drift	7,255	4	30	126		L. & N.	
6.	Pick	3' 4"	No. 4 Rider	Drift	16,762	3	11	211		L. & N.	
7.	Air	4'	No. 4 Rider	Drift	9,132	4	23	47		L. & N.	
8.	Pick	4'	No. 4 Rider	Drift	62,411	6	51	273		L. & N.	
9.	Pick	3' 10"	No. 4 Rider	Drift	14,528	14	25	172		L. & N.	
10.	Pick	3' 4"	No. 4 Rider	Drift	8,000	3	25	80		L. & N.	
11.	Pick	2' 8"	No. 4 Rider	Drift	10,000	3	13	197		L. & N.	
12.	Pick	6' 2"	6	Drift	9,574	21	17	107		L. & N.	
13.	Pick	3'	4	Drift	9,254	4	17	90		L. & N.	
14.	Elec.	4'	Breathitt	Drift	12,171	7	32	120		L. & N.	
15.	Pick	3' 8"	7	Drift	8,960	5	16	112		L. & N.	
16.	Pick	3' 8"	7	Drift	4,000	3	8	41		L. & N.	
17.	Elec.	3' 4"	Breathitt	Drift	13,323	5	33	140		L. & N.	
									242,933		
									382	2,231	Average 131 days.

Not fully co-oper.

DISTRICT NO. 4—R. D. Collett, Inspector, Pineville, Ky.

	1921	1922	Increase	Per Cent	Decrease	Per Cent
Tons produced	1,790,504	2,697,544	907,040	50.65		
Number of mines	72	114	42	58.33		
Number of men outside	1,022	1,236	214	20.94		
Number of men inside	3,653	5,327	1,674	45.82		
Total number men employed	4,675	6,563	1,888	40.38		
Average number days worked	94	96	2	2.71		
Fatal accidents	10	11	1	1.00		
Tons produced per accident	179,050	245,231	66,181	36.96		
Number of electric mines	82	45	13	4.06		
Number of pick mines	40	69	29	7.25		
Number mines not co-operating		7				
Number of wagon mines		189				
Tons for wagon mines		189,000				
Tons for non-co-operating mines		49,073				

AVERAGE ANALYSIS OF SEAMS OF COAL IN THE FOURTH DISTRICT

County	Name of Seam	Moisture	Volatile Matter	Fixed Carbon	Ash	Sulphur	B. T. U.
Whitley	Jellico	1.99	40.53	54.23	3.25	1.43	14,635
Knox	Jellico	1.99	40.53	54.23	3.25	1.48	14,655
Knox	Dean	2.20	45.60	29.20	3.00	.62	14,900
Bell	Str. Creek	2.50	34.20	62.20	1.10	1.25	15,512
Bell	Wallens	1.44	36.20	59.72	6.08	.52	

DISTRICT NO. 4—R. D. Collett, Inspector, Pineville, Ky.

Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
1. Bon Jellico Coal Co.	Bon Jellico	Whitley	T. F. Smith	Gus R. Fritz
2. Partin Jellico Coal Co.	Pleasant View	Whitley	A. S. Moore	H. F. Hudleson
3. Burk Hollow Coal Co.	Jellico, Tenn.	Whitley	C. S. Bennett	
4. Bennett-Johnson Blue Gem Co.	Gatlin	Whitley		
5. C. C. Vermillion Coal Co.	Jellico, Tenn.	Whitley	G. M. Wallen	Fred Powers
6. Drake Blue Gem Coal Co.	Nevisdale	Whitley	T. H. Black	Rose Fritz
7. Gatlin Coal Company	Gatlin	Whitley	H. H. McCutcheon	S. J. Marsh
8. Jellico Coal Mining Co.	Mount Ash	Whitley	W. F. Perkins	Ben Rose
9. Main Jellico Mountain Coal Co.	Jellico, Tenn.	Whitley	Archie Scott	Robert Thomas
10. Mahan Jellico Coal Company	Packard	Whitley	Sol Smith	W. O. Smith
11. Mammoth Blue Gem Coal Co.	Gatlin	Whitley		
12. Polley Coal Company	Packard	Whitley	R. B. Carter	Mat Moore
13. Proctor Coal Company	Redash	Whitley	W. M. Scott	Fred Powers
14. Kivett Jellico Coal Co.	Pollyton	Whitley	Louis Frances	H. Y. Stein
15. Stein Blue Gem Coal Co.	Redash	Whitley		
16. New Watts Creek Coal Co.	Wafford	Whitley		
17. Wallen Jellico Coal Company	Gatlin	Whitley	Geo. M. Wallen	Geo. M. Wallen
1. Franklin Coal Company	Artemus	Knox	W. D. Kinder	G. A. Kinder
2. Hughes Horse Creek Coal Co.	Barbourville	Knox	T. T. Gregory	Wm. Taulbee
3. J. T. Grays Coal Company	Grays	Knox	J. T. Grays	J. J. Mills
4. Knawha Knox Coal Company	Elys	Knox	W. C. Martin	Jno. Kriger
5. North Jellico Coal Co.	Woolton	Knox	A. Frost	Chas. Frost
6. North Jellico Coal Co.	Woolton	Knox	A. Frost	Chas. Frost

DISTRICT NO. 4—R. D. Collett, Inspector, Pineville, Ky.—Continued.

No.	Height	Name or No. of Seam	Kind of Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Accs.	R. R.	Remarks
1. Elec.	3' 4"	Jellico	Drift	34,452	27	75	89		L. & N.	Partially co-oper.
2. Pick	3' 4"	Dean	Drift	8,910	5	20	120		L. & N.	
3. Pick	3' 6"	Jellico	Drift	18,641	6	70	119		L. & N.	
4. Pick	2' 6"	Jellico	Drift	1,766	1	7	58		L. & N.	
5.				9,981	4	32	119		L. & N.	
6. Pick	2' 4"	Jellico	Drift	3,923	3	24	57		L. & N.	
7. Elec.	3' 3"	Jellico	Drift	128,807	67	213	152	1	L. & N.	
8. Elec.	3' 3"	Jellico	Drift	19,467	15	48	53		L. & N.	
9. Pick	3' 3"	Jellico	Drift	16,287	20	61	119		L. & N.	
10. Elec.	3' 6"	Jellico	Drift	26,922	18	109	58		L. & N.	
11. Pick	2' 2"	Jellico	Drift	13,489	5	25	80		L. & N.	
12.				9,972	2	34	36		L. & N.	Not fully co-oper.
13. Pick	3' 6"	Jellico	Drift	6,771	27	28	85		L. & N.	
14. Pick	2' 4"	Jellico	Drift	9,729	15	48	60		L. & N.	
15. Pick	3' 6"	Jellico	Drift	11,587	3	21	217	1	L. & N.	Not fully co-oper.
16. Pick	3' 6"	Jellico	Drift	4,000	3	15	63		L. & N.	
17. Pick	2' 4"	Jellico	Drift	2,413	3	9	65		L. & N.	
				327,117	224	839	1,550	Average 91 days.		
1. Pick	7'	Dean	Drift	12,127	4	11	111		L. & N.	Partially co-oper.
2. Pick	3' 4"	Jellico	Drift	8,000	4	11	74		L. & N.	
3. Pick	3' 4"	Jellico	Drift	24,000	5	31	120		L. & N.	
4. Elec.	4' 6"	Jellico	Drift	56,228	14	89	113		L. & N.	
5. Elec.	3' 2"	Jellico	Drift	75,555	26	108	159		L. & N.	
6. Elec.	3' 2"	Jellico	Drift	50,370	32	79	162		L. & N.	

DISTRICT NO. 4—R. D. Collett, Inspector, Pineville, Ky.—Continued.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
7.	Paige Jellico Coal Company	Elys	Knox	W. R. Ramey	J. D. Fitts
8.	R. D. Blue Gem Coal Co.	Barbourville	Knox		Frank James
9.	Wheeler Coal Company	Trosper	Knox		
10.	Fayette Jellico Coal Co.	Anchor	Knox	Claud Congleton	Perry Broughton
11.	Nu Coal Company	Flat Lick	Knox	Jas. Hibbard	Jas. Hibbard
12.	Gordon-Miller Coal & Coke Co.	Grays	Knox	W. J. Black	W. J. Black
13.	Burgess Blue Gem Coal Co.	Himyar	Knox	Joe Stewart	Dick Baker
14.	Stewart & Starbuck Coal Co.	Barbourville	Knox		
15.	Consolidation Coal Co.	Anchor	Knox	F. R. Ray	R. W. Jennings
16.	Consolidation Coal Co.	Trosper	Knox	J. W. Jennings	Joe Payne
17.	Consolidation Coal Co.	Warren	Knox	J. W. Jennings	Joe Payne
18.	Wheeler Coal Company	Trosper	Knox		
1.	American Fuel Company	Wallsend	Bell	J. D. Roper	E. Moody
2.	Atlas Coal Mining Company	Ralston	Bell	Dan France	Abe Moreland
3.	Roth Coal Company	Wheeler	Bell		
4.	Boone Trail Coal Company	Pineville	Bell	R. H. Barker	Ed. Swantz
5.	Bennetts Fork Mining Co.	Boswarth	Bell	E. F. Shay	Arthur Harris
6.	Bailey Coal Company	Blanch	Bell	G. C. Bailey	Jno. Oknst
7.	Bellman Coal Company	Boswarth	Bell	P. T. Colgan	J. T. Spangler
8.	Chenoe Hignite Coal Co.	Chenoe	Bell		
9.	Congress Coal Mining Co.	Shamrock	Bell	H. C. Moss	Bob Turner
10.	Coleman Mining Company	Cary	Bell	C. R. Coleman	A. T. Wilson
11.	Climax Coal Company	Shamrock	Bell	L. W. Yeary	R. A. Piedman

DISTRICT NO. 4—R. D. Collett, Inspector, Pineville, Ky.—Continued.

No.	Height of Seam	Kind of Seam	Kind of Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Acc'ts.	R. R.	Remarks
7.	Elec.	Jellico	Drift	24,624	10	68	51		L. & N.	Not fully co-oper.
8.	Pick	Jellico	Drift	8,000	5	8	50		L. & N.	
9.	Pick	Jellico	Drift	50,123	10	51	50		L. & N.	
10.	Elec.	Jellico	Drift	27,400	12	60	122		L. & N.	
11.	Pick	Jellico	Drift	5,787	6	18	41		L. & N.	
12.	Elec.	Jellico	Drift	4,500	4	34	29		L. & N.	
13.	Pick	Str. Creek	Drift	3,900	3	15	40		L. & N.	
14.	Pick	Jellico	Drift	1,662	7	8	52		L. & N.	
15.	Elec.	Dean	Drift	20,079	11	67	134	1	L. & N.	
16.	Elec.	Dean	Drift	10,612	9	28	117		L. & N.	
17.	Elec.	Dean	Drift	29,415	21	65	165		L. & N.	
18.	Pick	Jellico	Drift	15,178	8	20	136		L. & N.	
				427,460	191	760	1,837	Average 102 days.		
1.	Elec.	Jellico	Drift	22,422	7	40	158		L. & N.	
2.	Elec.	Dean	Drift	24,336	11	58	135		L. & N.	
3.	Pick	Str. Creek	Drift	28,250	5	40	113		L. & N.	
4.	Pick	Jack Rock	Drift	20,645	6	26	105	1	L. & N.	
5.	Elec.	Str. Creek	Drift	19,769	14	48	90	1	L. & N.	
6.	Pick	Turner	Drift	17,408	3	13	135		L. & N.	
7.	Elec.	Turner	Drift	29,258	6	73	92		L. & N.	
8.	Elec.	Turner	Drift	34,529	11	43	114		L. & N.	
9.	Pick	Str. Creek	Drift	17,509	9	64	64		L. & N.	
10.	Elec.	Sterling	Drift	28,683	13	53	128		L. & N.	
11.	Elec.		Drift	34,791	18	227	64		L. & N.	

DISTRICT NO. 4—R. D. Collett, Inspector, Pineville, Ky.—Continued.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
12.	Cain Coal Company	Cary	Bell	J. D. Cain	E. E. Stearn
13.	Coal Creek Coal Company	Ralston	Bell	Ed. Pursful	J. H. Hampton
14.	Conant Coal Company	Pineville	Bell	J. M. Ramsey	L. Sanders
15.	Stonny Fork Collieries Co.	Logmont	Bell	Frank Shelly	S. E. Byrge
16.	Dixie Gem Coal Company	Middlesboro	Bell	J. T. Spangler	
17.	East Point Coal & Coke Co.	Boswarth	Bell	Roy Moss	
18.	Federal Coal Company	Cary	Bell	Roy Moss	
19.	Federal Coal Company	Cary	Bell	Roy Moss	
20.	Federal Coal Company	Cary	Bell		
21.	Gruck-Duff Coal Company	Pineville	Bell	I. C. Broughton	W. M. Thompson
22.	Gooch Coal Company	Pineville	Bell	F. P. Watson	H. Branscom
23.	Gravity Coal Mining Co.	Boswarth	Bell	W. A. Roberts	Arthur Gent
24.	Hignite Coal Mining Co.	Shamrock	Bell	F. F. McCoy	Jack France
25.	J. B. Straight Creek Mining Co.	Four Mile	Bell	E. H. Harris	S. C. Parker
26.	Jaybee Jellico Coal Co.	Tinsley	Bell	T. C. Hughes	Bob Woolum
27.	Kentucky Collieries Co.	Pineville	Bell	J. E. Suttle	Bob Woolum
28.	Ky. Straight Creek Collieries Co.	Pineville	Bell		
29.	Long Branch Coal Company	Kelos	Bell	W. O. Baker	A. Gent
30.	Log Mountain Coal Company	Harrison	Bell		
31.	Log Mountain Coal Company	Harrison	Bell		
32.	Log Mountain Coal Company	Boswarth	Bell		
33.	Liberty Coal & Coke Co.	Straight Creek	Bell	R. R. Adkins	G. C. Clark
34.	Landrum Coal Company	Ariay	Bell	J. A. Lewis	Smith Snow
35.	Low Ash Mining Company	Middlesboro	Bell	C. F. Janeway	
36.	Monarch Coal Company	Middlesboro	Bell	J. H. Ralston	Chas. Ellison
37.	New Straight Creek Mining Co.	Pineville	Bell	T. F. Gibson	J. S. Moore

DISTRICT NO. 4—R. D. Collett, Inspector, Pineville, Ky.—Continued.

No.	Equip- ment	Ht. of Seam	Name or No. of Seam	Kind of Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Acci- s.	R. R.	Remarks
12.	Pick	2' 6"	Str. Creek	Drift	7,623	7	25	29		L. & N.	
13.	Pick	3' 4"	Str. Creek	Drift	8,676	5	20	72		L. & N.	
14.	Pick	2' 6"	Str. Creek	Drift	12,932	5	20	52		L. & N.	
15.	Elec.	4' 6"	Poplar Lick	Drift	17,480	22	91	59		L. & N.	
16.	Pick	2' 4"	Jellico	Drift	2,800	3	20	70		L. & N.	
17.	Pick	4' 4"	Winona	Drift	3,073	1	16	66		L. & N.	
18.	Elec.	3' 9"	Str. Creek	Drift	25,708	11	70	255		L. & N.	
19.	Elec.	3' 9"	Str. Creek	Drift	36,357	15	62	89		L. & N.	
20.	Elec.	3' 9"	Str. Creek	Drift	33,648	16	54	85		L. & N.	
21.											Not co-operating
22.	Pick	2' 9"	Str. Creek	Drift	17,895	5	24	157		L. & N.	
23.	Pick	2' 9"	Str. Creek	Drift	13,453	3	28	128		L. & N.	
24.	Elec.	3' 8"	Poplar Lick	Drift	35,224	29	70	80	1	L. & N.	
25.	Elec.	3' 2"	Str. Creek	Drift	40,999	10	75	76		L. & N.	
26.	Elec.	3' 6"	Dean	Drift	36,782	21	86	60	1	L. & N.	
27.	Pick	2' 6"	Wallins	Drift							Not co-operating
28.	Pick	3' 6"	Str. Creek	Drift	14,300	5	15	127		L. & N.	
29.	Pick	3' 3"	Str. Creek	Drift	25,397	4	21	134		L. & N.	
30.	Elec.	4'	Mason	Drift	14,109	30	48	40		L. & N.	
31.	Elec.	4'	Mason	Drift	6,436	11	25	68		L. & N.	
32.	Elec.	4'	Mason	Drift	45,553	18	155	111		L. & N.	
33.	Elec.	3'	Str. Creek	Drift	88,897	48	161	111		L. & N.	
34.	Elec.	3' 2"	Str. Creek	Drift	20,580	8	30	105		L. & N.	
35.	Elec.	3' 2"	Excelsior	Drift	31,321	6	61	106		L. & N.	
36.	Elec.	3' 9"	Low. Hignite	Drift	32,911	8	58	72		L. & N.	
37.	Pick	2' 6"	Str. Creek	Drift	21,523	4	12	75		L. & N.	

DISTRICT NO. 4—R. D. Collett, Inspector, Pineville, Ky.—Continued.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
38.	New Bell Jellico Coal Co.	Bell Jellico	Bell	P. M. Johnson	Jno. Cox
39.	Pioneer Coal Company	Kettle Island	Bell	J. L. Frost	A. T. Grace
40.	Pruden Coal & Coke Company	Pruden, Tenn.	Bell	C. A. Griffith	Henry Archer
41.	Roth Coal Company	Arjay	Bell	J. B. Bradley	Wash Thomas
42.	S. & S. Coal Company	Middlesboro	Bell	H. C. Smith	W. T. Posey
43.	Turner Coal Company	Middlesboro	Bell	J. S. Buyham	J. F. York
44.	Utility Gas Coal Company	Pineville	Bell	N. Centers	J. T. Spangler
45.	Lower Hignite Coal Co.	Logmont	Bell	W. E. Gunn	W. Davis
46.	Winona Coal & Coke Company	Boswarth	Bell	F. F. Colgan	Jas. Loap
47.	Yellow Hill Coal Mining Co.	Middlesboro	Bell	J. W. Bates	Gene Steele
48.	Fidelity Coal Company	Meidrun	Bell	Craig Ralston	C. C. Cantrill
49.	Ferndale Coal Company	Pineville	Bell	J. C. Knuckles	Jas. Pruitt
50.	Home Run Coal Company	Middlesboro	Bell	H. C. Dringer	Gene Steele
51.	Fern Lake Fuel Company	Middlesboro	Bell	Robert Elliott	T. J. Yeary
52.	H. L. Corry Coal Company	Pineville	Bell	E. M. Wagner	J. M. Lunce
53.	Wagner Coal Company	Arjay	Bell	J. M. Freeman	J. C. Martin
54.	Wallins Creek Collieries Co.	Oileka	Bell	Foster M. Laws	S. P. Southard
55.	Sewells Jellico Coal Company	Four Mile	Bell	J. H. Chesney	M. Cecil
56.	Clover Leaf Coal Company	Middlesboro	Bell	W. C. Birch	L. C. Chaffin
57.	Acosta Mining Company	Pineville	Bell	J. C. Martin	Jno. Lovely
58.	Castro Mining Company	Cary	Bell	F. F. Cairns	
59.	Brooking Coal Company	Hulen	Bell	W. O. Pollard	
60.	Hawley Coal Company	Shamrock	Bell	T. E. Gilbert	
61.	Southern Mining Company	Balkan	Bell	O. L. Flannery	
62.	Southern Mining Company	Balkan	Bell		
63.	J. W. Lam Coal Company	Callway	Bell		

DISTRICT NO. 4—R. D. Collett, Inspector, Pineville, Ky.—Continued.

No.	Depth	Name of Seam	Kind of Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Acc'ts. Matal	R. R.	Remarks
38.	Alr	Str. Creek	Drift	22,175	16	73	77		L. & N.	
39.	Elec.	Jellico	Drift	67,997	39	93	90		L. & N.	
40.	Elec.	Str. Creek	Drift	40,401	33	77	148		L. & N.	
41.	Elec.	Turner	Drift	34,431	9	68	103		L. & N.	
42.	Pick	Turner	Drift	7,403	7	10	254		L. & N.	
43.	Pick	Raven	Drift	2,964	8	17	32		L. & N.	
44.	Elec.	Turner	Drift	8,654	5	31	86	1	L. & N.	Partially co-oper.
45.	Pick	Turner	Drift	31,020	16	39	90		L. & N.	
46.	Elec.	Turner	Drift	586	6	18	60		L. & N.	
47.	Pick	Raven	Drift	10,077	4	33	122		L. & N.	
48.	Elec.	Banner	Drift	22,412	9	65	120		L. & N.	
49.	Pick	Turner	Drift	2,519	4	23	37		L. & N.	
50.	Pick	Turner	Drift	6,622	4	19	78		L. & N.	
51.	Pick	Str. Creek	Drift	38,636	21	72	72		L. & N.	
52.	Pick	Str. Creek	Drift	16,279	8	65	51		L. & N.	
53.	Pick	Mason	Drift	6,511	3	25	16		L. & N.	
54.	Elec.	Jellico	Drift	97,000	25	95	275		L. & N.	
55.	Pick	Sandstone	Drift	3,940	2	11	62		L. & N.	
56.	Pick	Nelson	Drift	10,168	4	38	66		L. & N.	
57.	Pick	Str. Creek	Drift	19,460	3	17	20		L. & N.	
58.	Pick	Harlan	Drift	12,004	6	40	77		L. & N.	
59.	Pick	Jack Rock	Drift	3,920	3	9	65		L. & N.	
60.	Pick	Creech	Drift	13,534	3	28	67		L. & N.	
61.	Elec.	Jellico	Drift	107,796	34	126	256	1	L. & N.	
62.	Elec.	Jellico	Drift	105,251	13	197	205	1	L. & N.	
63.	Pick	Jellico	Drift	4,586	3	20	66		L. & N.	

DISTRICT NO. 4—R. D. Collett, Inspector, Pineville, Ky.—Continued.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
64.	Pinnacle Coal Mining Co.	Ralston	Bell	C. C. Ramsey	W. S. Ramsey
65.	Rock Branch Coal Company	Hulen	Bell	George Veal	Thos. Hamberg
66.	Yellow Creek Coal Company	Boswarth	Bell	Conrad Kulle	Dew Ratliff
67.	Bell Dean Coal Company	Pineville	Bell	A. B. Ray	Edgar Moody
68.	Red Bow Coal Corporation	Pineville	Bell	Peter Derr	Peter Derr
69.	Victor Coal Mining Company	Middlesboro	Bell	M. J. Moss, Jr.	Chas. Marler
70.	M. J. Moss, Jr., Coal Co.	Blanch	Bell	G. D. Wire	W. M. Thompson
71.	Willie Lou Coal Company	Pineville	Bell	M. J. Moss, Jr.	Robert Ayers
72.	J. L. Mannering Coal Co.	Four Mile	Bell	M. J. Moss, Jr.	L. Duff
73.	Straight Creek Collieries Co.	Pineville	Bell	James Gabbard	James Gabbard
74.	New Haven Coal Company	Pineville	Bell	Shelton Evans	Jno. Mays
75.	Long Wall Mining Company	Middlesboro	Bell	Jas. Hibbard	Bob Hibbard
76.	Big Buck Coal Company	Four Mile	Bell	H. B. Southard	Bob Hightower
77.	Hibbard Coal Company	Tinsley	Bell		
78.	Greasy Creek Coal Co.	Hulen	Bell		
79.	Black Snake Coal Co.	Straight Creek	Bell		
80.	Durham Straight Creek Coal Co.	Hosman	Bell	J. K. Bradley	
81.	J. B. Blue Gem Coal Company	Middlesboro	Bell	J. S. Victor	L. Hopkins
82.	Karrol Coal Company	Middlesboro	Bell		
83.	Pine Ridge Coal Mining Co.	Tinsley	Bell		

DISTRICT NO. 4—R. D. Collett, Inspector, Pineville, Ky.—Continued.

No.	Height of Seam	Name or No. of Seam	Kind of Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Acc'ts.	R. R.	Remarks
64.	Pick 3' 4"	Jellico	Drift	15,177	12	40	62		L. & N.	
65.	Pick 3' 6"	Jellico	Drift	3,300	4	20	28		L. & N.	
66.	Pick 3' 6"	Jellico	Drift	45,553	18	156	111		L. & N.	
67.	Pick 4' 2"	Dean	Drift	2,092	7	6	58		L. & N.	
68.	Pick 4' 2"	Dean	Drift	2,991	23	53	28		L. & N.	Partially co-oper.
69.	Pick 4' 2"	Dean	Drift	12,197	11	31	117		L. & N.	Partially co-oper.
70.	Pick 4' 2"	Jellico	Drift	15,000	5	40	77		L. & N.	Partially co-oper.
71.	Pick 4' 2"	Jellico	Drift	7,680	5	13	240		L. & N.	Partially co-oper.
72.	Pick 4' 2"	Jellico	Drift	7,000	5	25	75		L. & N.	Partially co-oper.
73.	Pick 4' 2"	Jellico	Drift	4,808	2	20	72		L. & N.	Partially co-oper.
74.	Pick 4' 2"	Jellico	Drift	2,800	4	16	70		L. & N.	Partially co-oper.
75.	Pick 4' 2"	Jellico	Drift	7,963	3	10	88		L. & N.	Partially co-oper.
76.	Pick 4' 2"	Jellico	Drift	5,051	5	8	160		L. & N.	Partially co-oper.
77.	Pick 4' 2"	Jellico	Drift	2,790	3	10	63		L. & N.	Partially co-oper.
78.	Pick 4' 2"	Jellico	Drift	2,199	17	39	10		L. & N.	Partially co-oper.
79.	Pick 4' 2"	Jellico	Drift						L. & N.	Not co-operating
80.	Pick 4' 2"	Jellico	Drift						L. & N.	Not co-operating
81.	Pick 4' 2"	Jellico	Drift						L. & N.	Not co-operating
82.	Pick 4' 2"	Jellico	Drift	622	4	7	16		L. & N.	Not co-operating
83.	Pick 4' 2"	Jellico	Drift						L. & N.	Not co-operating
				1,704,894	821	3,728	7,063		Average 96.70 days.	

DISTRICT NO. 5—U. D. Williams, Inspector, Harlan, Ky.

	1921	1922	Increase	Per Cent	Decrease	Per Cent
Tons produced	7,212,686	6,410,436	.....	.....	802,250	11.15
Number of mines	68	78	10	13.00	.....	.....
Number of men outside	2,007	1,732	.....	.....	275	15.87
Number of men inside	7,027	7,276	249	3.54	.....	.....
Total number men employed	9,034	9,008	.....	.....	26	2.71
Average number of days worked	115	99	.....	.....	16	13.91
Fatal accidents	33	27	.....	.....	6	.22
Tons produced per accident	218,566	237,423	18,857	8.62	.....	.....
Number of electric mines	45	60	15	.33	.....	.....
Number of pick mines	23	18	.....	.....	5	21.78
Number of non-co-operating mines .....	.....	2	.....	.....	.....	.....
Tons for wagon mines .....	.....	70	.....	.....	.....	.....
Tons for wagon mines .....	.....	70,000	.....	.....	.....	.....
Tons for non-co-operating mines .....	.....	40,000	.....	.....	.....	.....

AVERAGE ANALYSIS OF SEAMS OF COAL IN THE FIFTH DISTRICT

County	Name of Seam	Moisture	Volatile Matter	Fixed Carbon	Ash	Sulphur	B. T. U.
Harlan	Wallins	1.44	36.20	59.72	6.08	.52	.....
Harlan	Harlan	1.62	38.80	58.34	3.24	.98	.....
Bell	Mason	1.77	38.45	57.68	3.10	1.15	.....
Bell	Str. Creek	2.50	34.20	62.20	1.10	1.25	15,512

DISTRICT NO. 5—U. D. Williams, Inspector, Harlan, Ky.

Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
1. Varilla Coal Corp.	Varilla	Harlan	A. R. Eckert	Wm. Stanley
2. Brown & Sharp Coal Co.	Le-Junior	Harlan	Lacey Laxton	Rice Griffin, Molus Mine
3. Wallins Creek Collieries	Harlan	Harlan	Wm. Earle	C. Brooks
4. Benito Coal Company	Le-Junior	Harlan	J. D. Yarkborough	McKinley York
5. Block Coal Company	Evarts	Harlan	C. S. King	A. J. Hayden
6. Banner Fork Coal Corp.	Kentonia	Harlan	C. S. King	A. J. Hayden
7. Banner Fork Coal Corp.	Kentonia	Harlan	J. S. Smith	E. J. Perry
8. Black Mtn. Coal Corp.	Kenvir	Harlan	J. W. Lamp	
9. Crown Coal Company	Chevrolet	Harlan	R. E. Lawson	Bill Langford
10. Cornett-Lewis Coal Co.	High Splint	Harlan	Ed. Whitefield	E. T. Baker
11. Clover Fork Coal Co.	Kitts	Harlan	Hiram Silvers	Jas. Sparks
12. Crech Coal Company	Twila	Harlan	W. N. Cook	J. H. Hudson
13. Cook & Sharp Coal Co.	Le-Junior	Harlan	N. B. Smith	Chas. Thompson
14. Darby Harlan Coal Co.	Evarts	Harlan	J. M. Pope	W. M. Stewart
15. Ellis Knob Coal Co.	Harlan	Harlan	Fred Smith	H. C. Barton
16. Evarts Coal Company	Evarts	Harlan	W. A. Ellison	Fred Helton
17. Golden Ash Coal Co.	Kitts	Harlan	E. V. Guthrie	M. D. Midiffer
18. Harlan Fuel Company	Harlan	Harlan	W. S. Wood	W. C. Gunn
19. Harlan Co-operative Co.	Evarts	Harlan	J. P. Dunigan	P. J. Cross
20. Harlan Kellioka Coal Co.	Evarts	Harlan	Jno. J. Rice	J. S. Waldon
21. Harlan Gem Coal Co.	Evarts	Harlan	E. B. Cornett	Virgil Moore
22. Harlan Collieries Co.	Ages	Harlan	Chas. Owens	B. D. Wallbright
23. Harlan Superior Coal Co.	Harlan	Harlan	Louis Manning	Jno. Manning
24. Harlan Liberty Coal Co.	Evarts	Harlan	I. C. Dalymple	H. H. Duncan
25. High Splint Coal Co.	High Splint	Harlan	S. A. Douglass	Mike Donohue
26. Harlan Gas Coal Co.	Harlan	Harlan		

DISTRICT NO. 5—U. D. Williams, Inspector, Harlan, Ky.—Continued.

No.	Height of Seam	Name of Seam	Kind of Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Accs.	R. R.	Remarks
1. Elec.	4' 6"	Harlan	Drift	29,974	10	64	86		L. & N.	
2. Pick	4' 4"	Harlan	Drift	21,213	4	26	105		L. & N.	
3. Elec.	4' 4"	Harlan	Drift	25,788	10	63	72		L. & N.	
4. Elec.	4' 4"	Harlan	Drift	12,600	2	28	103		L. & N.	
5. Pick	4' 4"	Wallins	Drift	3,033	3	9	67		L. & N.	
6. Elec.	6'	Wallins	Drift	210,623	37	153	176	1	L. & N.	
7. Elec.	6'	Darby	Drift	216,762	44	156	172		L. & N.	
8. Elec.	4' 5"	Harlan	Drift	251,885	56	340	130		L. & N.	
9. Elec.	4' 5"	Hi. Splint	Drift	167,500	37	106	197		L. & N.	
10. Elec.	5'	Harlan	Drift	64,872	15	86	140	3	L. & N.	
11. Elec.	4' 6"	Harlan	Drift	131,259	41	68	119		L. & N.	
12. Elec.	6'	Wallins	Drift	178,803	48	183	109		L. & N.	
13. Elec.	4'	Harlan	Drift	29,558	4	30	95		L. & N.	
14. Elec.	5'	Harlan	Drift	17,972	8	50	92		L. & N.	
15. Pick	5'	Harlan	Drift	64,360	15	40	152		L. & N.	
16. Elec.	4'	Harlan	Drift	17,298	14	40	110		L. & N.	
17. Elec.	3' 8"	Harlan	Drift	64,602	20	84	117		L. & N.	
18. Elec.	3' 10"	Harlan	Drift	105,140	6	95	90		L. & N.	
19. Elec.	3' 6"	C	Drift	19,310	5	49	167	1	L. & N.	
20. Elec.	4' 4"	Kellioka	Drift	25,283	5	49	167		L. & N.	
21. Elec.	3' 6"	Harlan	Drift	33,000	5	38	110		L. & N.	
22. Elec.	4' 4"	Harlan	Drift	94,690	20	94	62		L. & N.	
23. Pick	4' 8"	Harlan	Drift	12,708	9	16	144		L. & N.	
24. Elec.	6'	Hi. Splint	Drift	70,331	18	42	177		L. & N.	
25. Elec.	4' 4"	Hi. Splint	Drift	123,000	29	62	185	1	L. & N.	
26. Elec.	6'	Harlan	Drift	99,958	25	103	162		L. & N.	

DISTRICT NO. 5—U. D. Williams, Inspector, Harlan, Ky.—Continued.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
27.	Harlan Coal & Coke Co.	High Splint	Harlan	W. R. Grant	Mose Gatelliff
28.	Harlan Cumberland Coal Co.	Totz	Harlan	C. J. Bartells	W. J. Sevier
29.	Black Star Coal Co.	Path Fork	Harlan	H. A. Steele	G. A. Freeman
30.	J. L. Smith Coal Co.	Kildav	Harlan	J. P. Barton	H. L. Cox
31.	Harlan Fox Coal Co.	Wallins Creek	Harlan	W. H. Anderson	Scott Fletcher
32.	King Coal Co.	Black Joe	Harlan	I. M. Rigey	Jno. Sizemore
33.	Kitts Creek Coal Co.	Harlan	Harlan	Earl Jameson	Enoch Sheldon
34.	Ky. Harlan Coal Co.	Kildav	Harlan	S. A. Douglass	Geo. Luke
35.	King Harlan Coal Co.	Harlan	Harlan	A. R. Tinsley	W. M. Silvers
36.	Lenarue Coal Company	Leuarue	Harlan	F. F. Caywood	E. H. Gates
37.	Looney Creek Coal Co.	Pee Vee	Harlan	T. J. Brennan	J. P. Alfred
38.	Middleton Coal Company	Everts	Harlan	Earl Jameson	L. Linger
39.	Melcroft Coal Corp.	Coxton	Harlan	F. E. Medaris	J. C. Taliver
40.	Melcroft Coal Corp.	Coxton	Harlan	S. B. Preston	C. C. New
41.	Mary Helen Coal Corp.	Coalgood	Harlan	J. M. Percifield	Link Lod
42.	Model Coal Company	Le-Junior	Harlan	J. O. Angle	W. T. Angel
43.	McComb Coal Company	Elcomb	Harlan	W. J. Harmon	E. E. Strunk
44.	Perkins-Harlan Coal Co.	Harlan	Harlan	J. S. Robinson	W. B. Green
45.	P. V. & K. Coal Company	Le-Junior	Harlan	T. M. Gibson	Russ Collins
46.	R. C. Tway Coal Company	Kitts	Harlan	C. B. Bennett	S. R. York
47.	Rex Coal Company	Everts	Harlan	Jno. S. Wallen	Jno. S. Wallen
48.	Standard Harlan Coal Co.	Everts	Harlan	W. W. Eager	Pat Fannin
49.	Shavnee Gas Coal Company	Harlan, Va.	Harlan	J. P. Horne	C. H. Miser
50.	Stonega Coal & Coke Co.	Keokee, Va.	Harlan	Walter Kelley	G. C. Carnical
51.	Sugar Camp Mining Company	Everts	Harlan	J. Sheely	J. S. Warner
52.	Superior Harlan Coal Co.	Everts	Harlan		

DISTRICT NO. 5—U. D. Williams, Inspector, Harlan, Ky.—Continued.

No.	Equip-ment	Ht. of Seam	Name or No. of Seam	Kind of Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Acc'ts.	R. R.	Remarks
27.	Elec.	4'	Harlan	Drift	78,500	20	70	136		L. & N.	
28.	Elec.	4'	Harlan	Drift	31,000	10	46	200		L. & N.	
29.	Elec.	4'	Harlan	Drift	22,780	52	67	38		L. & N.	
30.	Elec.	4'	Harlan	Drift	40,384	10	48	104		L. & N.	
31.	Elec.	4'	Harlan	Drift	35,978	10	43	103		L. & N.	
32.	Elec.	6'	Wallins	Drift	78,814	30	95	93	1	L. & N.	
33.	Pick	4'	Harlan	Drift	18,752	2	13	126		L. & N.	
34.	Elec.	4'	Harlan	Drift	27,350	4	11	78		L. & N.	
35.	Elec.	4'	Harlan	Drift	97,589	9	101	130		L. & N.	
36.	Elec.	3'	Harlan	Drift	66,387	10	35	157		L. & N.	
37.	Elec.	3'	Harlan	Drift	32,239	15	64	137		L. & N.	
38.	Elec.	6'	Harlan	Drift	41,747	6	42	72		L. & N.	
39.	Elec.	4'	Harlan	Drift	123,656	25	140	238		L. & N.	
40.	Elec.	4'	Harlan	Drift	114,811	15	117	241	1	L. & N.	
41.	Elec.	4'	Harlan	Drift	183,142	60	155	147		L. & N.	
42.	Elec.	4'	Harlan	Drift	33,946	12	50	89	3	L. & N.	
43.	Elec.	4'	Harlan	Drift	62,087	15	62	83	1	L. & N.	
44.	Elec.	3'	Harlan	Drift	78,010	7	64	150		L. & N.	
45.	Elec.	4'	Harlan	Drift	43,574	8	58	87		L. & N.	
46.	Elec.	4'	Harlan	Drift	148,428	18	152	170	1	L. & N.	
47.	Elec.	4'	Harlan	Drift	51,478	8	45	114		L. & N.	
48.	Elec.	3'	Kellioka	Drift	10,019	8	26	87		L. & N.	
49.	Elec.	3'	Harlan	Drift	18,081	5	39	100		L. & N.	
50.	Elec.	4'	Harlan	Drift	13,408	4	67	74		L. & N.	
51.	Elec.	5' 10"	Harlan	Drift	18,000	9	20	80		L. & N.	
52.	Pick	5' 10"	Harlan	Drift	26,290	15	33	84		L. & N.	Partially co-oper.

DISTRICT NO. 5—U. D. Williams, Inspector, Harlan, Ky.—Continued.

Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
U. S. Coal & Coke Co.	Lynch	Harlan	E. V. Albert	W. Y. Cole
Kellioka Coal Company	Nolansburg	Harlan	J. W. Gibson	Henry Dyke
Meadows Harlan Coal Co.	Creesh	Harlan	J. W. Dean	J. F. Shell
East Harlan Coal Co.	Ages	Harlan	J. P. Barton	Jno. Sizemore
Virginia Coal & Coke Co.	Leona Mines, Va.	Harlan	T. C. Hayes	E. L. Jones & W. C. Stafford
Verda Harlan Coal Co.	Verda	Harlan	Earl Jameston	Joe McDowell
Wilson-Burger Coal Corp.	Gray Knob	Harlan	S. V. Preston	James Dulan
Wallins Creek Collieries Co.	Harlan	Harlan	J. W. Easley	C. W. McCarty
Wallins Creek Collieries Co.	Wallins Creek	Harlan	R. S. Hay	A. G. Toney
Wallins Creek Collieries Co.	Verda	Harlan	Sol. Boozee	G. F. Williams
White Star Coal Company	White Star	Harlan	E. E. Turner	G. R. Luke
Burger Coal Mining Company	Le-Junior	Harlan	T. J. O'Connell	Jack Young
Wisconsin Steel Coal Co.	Benham	Harlan	T. J. O'Connell	
Wisconsin Steel Coal Co.	Harlan	Harlan	L. P. Johnson	
Crummies Creek Coal Co.	Harlan	Harlan		
Mine Run Coal Company	Evarts	Harlan	Geo. Henson	Geo. Henson
Consolidated Mining Co.	Cargo	Harlan		
Wheeler Boone Coal Co.	Wallins Creek	Harlan	E. D. Hall	Bass Warren
Three Point Coal Company	Lenarue	Harlan		
See See Coal Company	Pineville	Bell	W. W. Wagell	J. A. Stewart
Laymond Calloway Coal Co.	Hulen	Bell	E. A. Smuthers	
Morgan Coal Company	Calvin	Bell		
Lewis Coal Company	Pineville	Bell	M. H. Lewis	M. H. Keys
Kentucky Cardinal Coal Co.	Cardinal	Bell	J. C. Straus	S. B. Sergener
Long Ridge Coal Company	Hulen	Bell		
Mathel Coal Company	Calloway	Bell	J. O. Harkins	Dan Roberts

DISTRICT NO. 5—U. D. Williams, Inspector, Harlan, Ky.—Continued.

No.	Height of Shaft	Name or No. of Seam	Kind of Opening	Feet Produced	Men Outside	Men Inside	Days Worked	Fatal Accs.	R. R.	Remarks
53.	Elec.	Harlan	Drift	1,217,323	343	1,562	197	6	L. & N.	Partially co-oper.
54.	Elec.	Mason	Drift	3,894	4	20	28		L. & N.	
55.	Pick	Harlan	Drift	8,045	6	18	24		L. & N.	
56.	Elec.	Harlan	Drift	23,109	13	38	51		L. & N.	
57.	Elec.	Harlan	Drift	36,200	4	101	180		L. & N.	
58.	Pick	Harlan	Drift	10,200	3	23	60		L. & N.	
59.	Elec.	Harlan	Drift	164,391	60	315	110		L. & N.	
60.	Elec.	Harlan	Drift	72,088	20	103	117	1	L. & N.	
61.	Elec.	Wallins	Drift	150,058	25	135	155		L. & N.	
62.	Elec.	Wallins	Drift	140,938	24	138	188		L. & N.	
63.	Elec.	Wallins	Drift	117,401	42	213	88		L. & N.	
64.	Elec.	Harlan	Drift	56,527	8	43	114		L. & N.	
65.	Elec.	C	Drift	547,353	203	448	232	3	L. & N.	
66.	Elec.	C	Drift	110,925	8	78	196		L. & N.	
67.	Pick	Harlan	Drift	13,452	32	41	84		L. & N.	Partially co-oper. (New mine.)
68.	Pick	Harlan	Drift	13,035	2	11	100		L. & N.	Not co-operating
69.	Pick	Harlan	Drift						L. & N.	Partially co-oper.
70.	Pick	Harlan	Drift						L. & N.	
71.	Pick	Harlan	Drift	26,925	15	20	104		L. & N.	
				6,158,152	1,673	7,044	8,262	Average 114 days.		
1.	Pick	Mason	Drift	6,704	2	23	45		L. & N.	
2.	Pick	Mason	Drift	24,350	4	25	300		L. & N.	
3.	Pick	Jellico	Drift	1,642	12	25	12		L. & N.	
4.	Pick	Mason	Drift	4,156	3	13	13		L. & N.	
5.	Elec.	Harlan	Drift	65,886	24	65	130	1	L. & N.	
6.	Pick	Jellico	Drift	17,618	4	33	97		L. & N.	
7.	Elec.	Harlan	Drift	21,934	10	47	120	1	L. & N.	
				142,284	59	232	737	Average 105 days.		

DISTRICT NO. 6—H. C. Faulkner, Inspector, Hazard, Ky.

	1921	1922	Increase	Per Cent	Decrease	Per Cent
Tons produced	6,775,271	8,070,152	1,294,881	18.00		
Number of mines	84	116	32	39.00		
Number of men outside	1,873	2,098	225	12.00		
Number of men inside	7,374	7,618	244	3.30		
Number of men employed	9,247	9,716	469	5.00		
Average number days worked	152	167	15	9.86		
Fatal accidents	37	25			12	.32
Tons produced per accident	183,115	322,806	139,691	76.00		
Number of electric mines	55	83	28	47.00		
Number of pick mines	29	33	4	13.00		
Number of mines not co-operating	5					
Number of wagon mines		49				
Tons for non-co-operating mines		110,000				
Tons for wagon mines		49,000				

AVERAGE ANALYSIS OF SEAMS OF COAL IN THE SIXTH DISTRICT

County	Name of Seam	Moisture	Volatile Matter	Fixed Carbon	Ash	Sulphur	B. T. U.
Letcher	No. 4 Elkhorn	4.11	36.31	58.82	4.76	.62	
Letcher	Elkhorn	1.34	38.92	54.05	3.70	.52	
Perry	No. 4 Elkhorn	4.11	36.31	58.82	4.76	.62	
Perry	No. 6 Elkhorn	2.03	36.57	55.64	5.76	.67	
Knott	No. 2 Elkhorn	.84	41.69	54.07	3.90	.76	
Knott	No. 6 Elkhorn	4.11	36.31	55.69	5.76	.67	

DISTRICT NO. 6—H. C. Faulkner, Inspector, Hazard, Ky.

Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
1. Adamson Coal Company	Jenkins	Letcher	A. B. Eswan	E. W. Mansfield
2. Ace Coal Company	Whitesburg	Letcher	T. F. Brooks	M. E. Thompson
3. Apex Coal Company	Fleming	Letcher	Alex. Taylor	Joe Raynor
4. Amburgy Coal Company	Dalna	Letcher	T. F. Brooks	J. A. Cole
5. Acme By-Product Coal Co.	Fleming, Va.	Letcher	W. A. Owens	M. H. Merritt
6. Blackwood Coal & Coke Co.	Blackey	Letcher	H. E. Taylor	L. McCloud
7. Blackey Coal Corporation	Burdine	Letcher	G. T. Kumberger	A. C. Nelson
8. Consolidation Coal Co., No. 201	Burdine	Letcher	G. T. Kumberger	J. M. Mullins
9. Consolidation Coal Co., No. 202	Burdine	Letcher	L. D. McLaughlin	Jno. Earley
10. Consolidation Coal Co., No. 203	Burdine	Letcher	J. F. Daniel	J. L. Evans
11. Consolidation Coal Co., No. 204	Jenkins	Letcher	J. F. Daniel	L. L. Plummer
12. Consolidation Coal Co., No. 205	Jenkins	Letcher	J. F. Daniel	J. D. Daniel
13. Consolidation Coal Co., No. 206	Jenkins	Letcher	M. H. Forester	J. M. Smith
14. Consolidation Coal Co., Nos. 207-8	Jenkins	Letcher	T. C. McFarland	Henry Prichard
15. Consol. Coal Co., Nos. 210-11-12	McRoberts	Letcher	T. C. McFarland	Jno. Helton
16. Consolidation Coal Co., No. 213	McRoberts	Letcher	C. E. Williams	J. F. Caudill
17. Consolidation Coal Co., No. 214	McRoberts	Letcher	C. E. Williams	Thos. Robinson
18. Consolidation Coal Co., No. 215	McRoberts	Letcher	V. A. O. Gabany	W. Griddle
19. Consolidated Fuel Co.	Dalna	Letcher	V. A. O. Gabany	J. Griddle
20. Consolidated Fuel Co.	Dalna	Letcher	V. A. O. Gabany	J. S. Brown
21. Consolidated Fuel Co.	Dalna	Letcher	R. H. Glone	T. H. Toye
22. Commercial Coal Mining Co.	Ulvah	Letcher	Geo. Synors	Leslie Johnson
23. Dudley Coal Company	Davis	Letcher	A. C. Piemp	W. Mullins
24. Elkhorn Junior Coal Company	Millstone	Letcher	Ed. Cockburn	
25. Elkhorn Hazard Coal Company	Whitesburg	Letcher	Geo. Smith	R. Beatty
26. Elkhorn Coal Company	Mater	Letcher		

DISTRICT NO. 6—H. C. Faulkner, Inspector, Hazard, Ky.—Continued.

No.	Equip.	Ht. of Seam	Name or No. of Seam	Kind or Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Accs.	R. R.	Remarks
1.	Elec.	4'	Whitesburg	Drift	31,066	10	50	215	1	L. & N.	Not operating
2.	Elec.	4'	4	Drift	25,317	5	30	75		L. & N.	
3.	Pick	5'	4	Drift	42,219	18	63	208		L. & N.	
4.	Elec.	5'	4	Drift	16,394	3	15	75		L. & N.	
5.	Pick	5'	4	Drift	114,774	12	79	221		L. & N.	
6.	Elec.	6'	4	Drift	21,177	7	22	108		L. & N.	
7.	Elec.	4'	4	Drift	126,135	37	110	219	3	S. V. & E.	
8.	Elec.	7'	Elkhorn	Drift	115,886	18	105	219		S. V. & E.	
9.	Elec.	6'	Elkhorn	Drift	69,482	20	84	187		S. V. & E.	
10.	Elec.	7'	Elkhorn	Drift	240,511	33	195	221		S. V. & E.	
11.	Elec.	7'	Elkhorn	Drift	160,912	31	132	224		S. V. & E.	
12.	Elec.	8'	Elkhorn	Drift	142,291	24	132	180		S. V. & E.	
13.	Elec.	7'	Elkhorn	Drift	138,643	39	148	220		S. V. & E.	
14.	Elec.	6'	Elkhorn	Drift	145,129	29	138	219		S. V. & E.	
15.	Elec.	5'	Elkhorn	Drift	29,961	14	60	180		S. V. & E.	
16.	Elec.	7'	Elkhorn	Drift	183,337	35	168	218		L. & N.	
17.	Elec.	6'	Elkhorn	Drift	71,327	14	74	216		L. & N.	
18.	Elec.	5'	Elkhorn No. 4	Drift	10,024	16	44	115		L. & N.	
19.	Elec.	5'	Elkhorn No. 4	Drift	76,543	18	49	115		L. & N.	
20.	Elec.	5'	Elkhorn No. 4	Drift	68,925	16	42	114		L. & N.	
21.	Elec.	4'	Elkhorn No. 4	Drift	30,995	12	38	110		L. & N.	
22.	Elec.	4'	Elkhorn No. 4	Drift	123,465	18	95	141	2	L. & N.	
23.	Elec.	4'	Elkhorn No. 4	Drift	11,250	7	44	295		L. & N.	
24.	Elec.	5'	Elkhorn No. 4	Drift	23,894	9	44	167	1	L. & N.	
25.	Pick	5'	Elkhorn No. 4	Drift	49,979	14	61	214		L. & N.	
26.	Pick	4'	Elkhorn No. 4	Drift						L. & N.	

DISTRICT NO. 6—H. C. Faulkner, Inspector, Hazard, Ky.—Continued.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
27.	Elkhorn Coal Corp., No. 301	Fleming	Letcher	J. F. Bohanon	A. T. White
28.	Elkhorn Coal Corp., No. 302	Fleming	Letcher	J. F. Bohanon	E. H. Salyers
29.	Elkhorn Coal Corp., No. 303	Fleming	Letcher	J. F. Bohanon	H. C. Delaney
30.	Elkhorn Coal Corp., No. 304	Fleming	Letcher	J. F. Bohanon	S. E. Adams & A. J. Hall
31.	Elkhorn Coal Corp., No. 305	Fleming	Letcher	J. F. Bohanon	R. S. Cole & J. L. Hackler
32.	Elkhorn Coal Corp., No. 306	Fleming	Letcher	J. F. Bohanon	Jno. Nidefer & G. Hale
33.	Elkhorn Coal Corp., No. 307	Fleming	Letcher	J. F. Bohanon	R. S. Cole & J. C. Reed
34.	Elk Creek Coal Company	Blackey	Letcher	Jno. Robinson	Joe Robinson
35.	Elkhorn Collieries Company	Thornton	Letcher	A. L. Bastin	Henry Tackett
36.	Elkhorn Jellico Coal Company	Whitesburg	Letcher	P. E. Marlow	H. Rogers
37.	Huntington By-Product Coal Co.	Burdine	Letcher	G. L. Moran	Robt. Aldridge
38.	Imperial Elkhorn Coal Company	Sargent	Letcher	A. K. Williams	John Rockwell
39.	Nagola Elkhorn Coal Company	Fleming	Letcher	G. R. Williams	B. A. Johns
40.	Howard Newland Coal Company	Blackey	Letcher	Letcher	
41.	Marian Coal Company	Blackey	Letcher	J. T. Williams	J. K. Hatmaker
42.	May King Coal Company	May King	Letcher	D. C. Brown	H. F. Brown
43.	Rockhouse Coal Company	Blackey	Letcher	Letcher	Alvin Mercer
44.	South East Coal Company, No. 1	Seco	Letcher	Henry Pfening	A. J. Leach
45.	South East Coal Company, No. 2	Seco	Letcher	Henry Pfening	L. G. Turinger
46.	Cowan Creek Coal Company	Ice	Letcher	J. L. Darlington	R. S. York
47.	Ulvah Coal Company	Ulvah	Letcher	O. W. Frazer	J. W. Speaks
48.	Whitesburg Coal Company	Whitco	Letcher	J. H. Hall	L. Mathews
49.	Jenkins Coal & Coke Co.	Jenkins	Letcher	J. W. Crawford	C. O. Horne
50.	Stafford Coal Company	Dalna	Letcher	Frank Maurice	Jno. Amos

DISTRICT NO. 6—H. C. Faulkner, Inspector, Hazard, Ky.—Continued.

No.	Equip.	Ht. of Seam	Name or No. of Seam	Kind or Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Accs.	R. R.	Remarks
27.	Elec.	6' 1"	Elkhorn	Drift	87,911	8	80	114		L. & N.	
28.	Elec.	4' 10"	Elkhorn	Drift	30,282	3	35	128		L. & N.	
29.	Elec.	6' 1"	Elkhorn	Drift	85,768	15	116	124		L. & N.	
30.	Elec.	6' 3"	Elkhorn	Drift	149,236	14	146	154		L. & N.	
31.	Elec.	4' 8"	Elkhorn	Drift	52,138	14	62	127		L. & N.	
32.	Elec.	4' 2"	Elkhorn	Drift	17,293	7	26	71		L. & N.	
33.	Elec.	5'	Elkhorn	Drift	9,634	1	15	99		L. & N.	
34.	Elec.	6'	4	Drift	54,226	12	50	228	1	L. & N.	
35.	Elec.	5' 4"	4	Drift	96,000	15	111	209	1	L. & N.	
36.	Elec.	5'	4	Drift	49,228	20	32	138		L. & N.	
37.	Pick	5' 5"	4	Drift	6,941	3	21	148		L. & O.	
38.	Elec.	5' 6"	4	Drift	56,811	11	60	180		L. & N.	
39.	Pick	4' 4"	Elkhorn	Drift	21,307	11	24	65		L. & N.	
40.	Pick	5'	Elkhorn	Drift	1,740	3	7	41		L. & N.	
41.	Elec.	5' 5"	Elkhorn	Drift	107,497	14	80	220		L. & N.	
42.	Elec.	4' 2"	Elkhorn No. 4	Drift	42,631	10	50	118		L. & N.	
43.	Elec.	5' 2"	Elkhorn No. 4	Drift	61,475	18	75	190	4	L. & N.	
44.	Elec.	5'	Elkhorn No. 4	Drift	149,029	22	98	175		L. & N.	
45.	Elec.	5'	Elkhorn No. 4	Drift	107,297	21	72	153		L. & N.	
46.	Elec.	5'	Elkhorn No. 4	Drift	15,687	7	30	117		L. & N.	
47.	Elec.	4' 2"	Elkhorn No. 4	Drift	38,421	32	44	159		L. & N.	
48.	Elec.	3' 8"	Elkhorn No. 4	Drift	33,354	12	48	96		L. & N.	
49.	Pick	3' 10"	Elkhorn	Drift	4,500	4	12	120		S. V. & E.	Partially co-oper.
50.					6,687	4	12	80			Partially co-oper.
					3,414,719	740	3,352	7,780	Average 158 days.		

DISTRICT NO. 6—H. C. Faulkner, Inspector, Hazard, Ky.—Continued.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
1.	Knott Coal Corporation	Sassafras	Knott	A. S. Davison	David Noe
2.	Wisconsin Coal Corp.	Sassafras	Knott	T. P. Cord	Robt. Morgan
3.	Perkins-Bowling Coal Corp.	Sassafras	Knott	T. P. Cord	Tom Robinson
1.	Algoma Block Coal Co.	Lothair	Perry	R. F. Pritchard	W. L. Winchester
2.	Ashless Coal Corp.	Lothair	Perry	D. T. Mitchell	Walter Hank
3.	Ajax Coal Company	Hazard	Perry	G. P. Fitts	J. Z. Marshall
4.	Blue Diamond Coal Corp.	Blue Diamond	Perry	H. H. Braden	L. A. Fox & J. C. Bleach
5.	Bolinger-Jones Coal Co.	Hazard	Perry	H. F. Rodas	J. C. Davenport
6.	Jewett, Bigelow & Brooks	Butterfly	Perry	A. Jennings	W. M. Reynolds
7.	Blue Jay Coal Company	Hazard	Perry	J. N. Abbott	A. Gross & T. Sellers
8.	Columbus Mining Co., No. 3	Hazard	Perry	R. H. Engle	C. Longworth & K. Goins
9.	Columbus Mining Co., No. 4	Hazard	Perry	T. E. Pfaff	E. C. Fugate
10.	Columbus Mining Co., No. 5	Hazard	Perry	N. G. Gustat	C. L. Wells
11.	Columbus Mining Co., No. 6	Hazard	Perry	E. C. Fugate	C. W. Cross
12.	Caldwell-Blythe Coal Co.	Yerkes	Perry	W. L. Card	Geo. Childers
13.	Crawford Coal Corporation	Bonnymon	Perry	J. B. Allen	Frank Grimes
14.	Carrs-Fork Coal Company	Allock	Perry	E. H. Griffith	Slade Sexton
15.	Clinton Coal Company	Jeff	Perry	W. D. Erwin	Wm. Davis
16.	Defiance Coal Mining Co.	Hazard	Perry	S. B. Haroy	Mat Woodall
17.	Darb Fork Coal Company	Hazard	Perry	C. H. Bower	
18.	Diamond Block Coal Company	Diablock	Perry	J. H. Zimmerman	
19.	Eden Coal Company	Whitesburg	Perry	Nat. B. Sewell	
20.	East Kentucky Coal Company	Fusonia	Perry		

DISTRICT NO. 6—H. C. Faulkner, Inspector, Hazard, Ky.—Continued.

No.	Height of Seam	Name or No. of Seam	Kind of Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Rat. Accts.	R. R.	Remarks
1. Elec.	7' 3"	9	Drift	150,054	7	69	263		L. & N.	
2. Elec.	6' 6"	9	Drift	65,830	13	37	179		L. & N.	
3. Elec.	4' 6"	7	Drift	42,568	9	30	134		L. & N.	
				215,452	29	136	576	Average 192 days.		
1. Elec.	5'	7	Drift	132,065	18	111	235	1	L. & N.	
2. Elec.	4' 2"	4	Drift	170,762	17	106	287		L. & N.	
3. Elec.	3' 4"	4	Drift	59,474	12	54	126		L. & N.	
4. Elec.	5' 6"	6	Drift	429,815	117	324	165	1	L. & N.	
5.										Not co-operating
6. Pick	5'	6	Drift	29,735	28	23	112		L. & N.	
7. Pick	3' 4"	4	Drift	11,230	4	30	75		L. & N.	
8. Elec.	2' 10"	4	Drift	70,718	17	44	183		L. & N.	
9. Elec.	3'	4	Drift	116,313	21	70	189		L. & N.	
10. Elec.	4'	7	Drift	95,782	18	54	159		L. & N.	
11. Elec.	3' 4"	4	Drift	46,304	4	20	171		L. & N.	
12. Pick	3'	4	Drift	3,250	2	7	175	1	L. & N.	
13. Elec.	6' 8"	6	Drift	192,405	32	108	137		L. & N.	
14. Elec.	3' 6"	4	Drift	118,737	10	123	142	2	L. & N.	
15. Pick	3' 3"	4	Drift	2,359	2	18	90		L. & N.	
16. Elec.	4' 6"	7	Drift	52,667	15	46	171		L. & N.	
17. Pick	3'	4	Drift	27,072	6	45	153		L. & N.	
18. Elec.	4'	4	Drift	60,909	17	51	198		L. & N.	
19. Pick	4'	4	Drift	12,483	3	16	161		L. & N.	
20. Pick	4' 2"	4	Drift	11,000	5	25	81		L. & N.	

DISTRICT NO. 6—H. C. Faulkner, Inspector, Hazard, Ky.—Continued.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
21.	Four in One Coal Company	Fusonia	Perry	R. E. Potter	L. C. Campbell
22.	First Creek Mining Company	Blue Diamond	Perry	J. L. Rogers	E. J. Holbront
23.	Ino. P. Gorman Coal Company	Diablock	Perry	Wm. Quisenberry	L. G. Fitzgerald
24.	Happy Coal Company	Happy	Perry	G. Griffith	J. S. Conrad
25.	Hardy Burlington Mining Co.	Hardbury	Perry	Thos. Donaldson	W. C. Hayslett
26.	Hazard Blue Grass Coal Corp.	Hazard	Perry	C. E. Bullard	W. T. Turner
27.	Hombre Coal Company	Hombre	Perry	J. S. Freeman	Henry Nunn
28.	Hazard Jellico Coal Company	Staub	Perry	Edward Rigley	A. D. Clemmons
29.	Himyar Coal Company	Domino	Perry	W. L. Carter	
30.	Hazard Block Coal Company	Happy	Perry	Frank Foreman	
31.	Indian Head Coal Company	Hazard	Perry	Wm. Heath	Carl Knox
32.	Coneva Coal Corporation	Chavies	Perry	J. H. Adams	W. H. Kilgon
33.	Ky. River Coal & Mining Co.	Heiner	Perry	Jack Gross	C. M. Wilson
34.	Kentucky Block Mining Co.	Blue Diamond	Perry	Jno. Hayslett	W. I. Smith
35.	Kenmont Coal Company	Jeff	Perry	J. L. Bishop	Titus Barwick
36.	Liberty Coal Company	Bonnymon	Perry	W. H. Sienknecht	Sam Salvers
37.	D. M. Williams Coal Co.	Krypton	Perry	D. M. Williams	G. Smith
38.	Lots Creek Coal Company	Bulan	Perry	C. M. Davis	Amos Herd
39.	Lincoln Coal Company	Krypton	Perry	H. H. Givens	H. C. Goirrs
40.	Nidland Coal Mining Co.	Tribbey	Perry	H. Monhollon	
41.	Maynard Coal Company	Lennutt	Perry	Luke Woods	
42.	Mason Creek Coal Company	Viper	Perry	J. E. Kelly	L. K. Henry
43.	Mitchell-Willis Coal Co.	Typo	Perry		
44.	Montgomery Creek Coal Co.	Montago	Perry	C. R. Luttrell	J. G. Summers
45.	Muncey Coal Mining Company	Krypton	Perry	J. Y. Crawford	Robt. Veach
46.	McIntosh Coal Company	Hazard	Perry		

DISTRICT NO. 6—H. C. Faulkner, Inspector, Hazard, Ky.—Continued.

No.	Height of Shaft	Name or No. of Seam	Kind of Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Accs.	R. R.	Remarks
21.	Elec.	6	Drift	196,419	15	137	131	1	L. & N.	Not co-operating
22.	Elec.	4	Drift	89,844	22	106	151		L. & N.	
23.	Pick	4	Drift	24,206	12	20	160		L. & N.	
24.	Elec.	4	Drift	288,780	146	288	180	1	L. & N.	
25.	Elec.	7	Drift	224,391	47	201	138		L. & N.	
26.	Elec.	4	Drift	17,239	9	37	143		L. & N.	
27.	Elec.	4	Drift	179,680	20	176	131		L. & N.	
28.	Elec.	6	Drift	107,328	31	175	178		L. & N.	
29.	Elec.	4	Drift	12,609	3	22	130		L. & N.	
30.	Pick	4	Drift	35,178	10	30	169		L. & N.	
31.	Elec.	4	Drift	78,584	25	55	159		L. & N.	
32.	Elec.	4	Drift	140,000	73	161	200		L. & N.	
33.	Elec.	6	Drift	77,504	10	60	134		L. & N.	
34.	Elec.	5	Drift	196,239	40	140	209		L. & N.	
35.	Elec.	9	Drift	97,370	28	74	209	4	L. & N.	Partially co-oper.
36.	Elec.	6	Drift	2,150	6	86			L. & N.	
37.	Pick	4	Drift	60,301	20	54	249		L. & N.	
38.	Elec.	7	Drift	75,624	20	72	104		L. & N.	
39.	Elec.	7	Drift	113,407	32	121	257		L. & N.	
40.	Elec.	4	Drift	200,000	40	259	200		L. & N.	
41.	Elec.	7	Drift	10,983	4	16	220		L. & N.	
42.	Pick	4	Drift	11,288	15	16	49		L. & N.	
43.	Pick	3	Drift	20,761	12	50	179		L. & N.	
44.	Pick	3	Drift	7,100	15	38	50		L. & N.	Not co-operating
45.	Pick	4	Drift							
46.	Pick	7	Drift							

DISTRICT NO. 6—H. C. Faulkner, Inspector, Hazard, Ky.—Continued.

Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
47. Superior Coal Co. No. 4.	Lenutt.	Perry	Noah Burton.	
48. Old House Coal Company	Hazard.	Perry	Joe Campbell.	Jno. M. Woods
49. Reliance Coal & Coke Co.	Glomawr	Perry	Jno. M. Woods	
50. Southeastern Ky. Coal Co.	Krypton.	Perry	M. H. Blythe.	J. H. Wilson
51. Solar Coal Company	Yerkes.	Perry	C. A. Beatty.	H. C. Benton
52. Storm King Coal Mining Co.	Storm King	Perry	C. R. Luttrell.	Jno. Powell
53. Trace Fork Mining Company	Bulan.	Perry	B. F. Clutts.	J. W. Clutts
54. Walkers Branch Mining Co.	Hazard.	Perry	Abe Stack.	Jno. Lewis
55. York Coal Corporation	Krypton.	Perry	Tom White.	
56. Scuddy Coal Company	Happy	Perry	W. M. Pearnen.	W. H. Lovely
57. Mien Haskins Coal Corp.	Montago.	Perry	Charlie Davis.	Goodloe Smith
58. Tots Creek Coal Co.	Bulan.	Perry	R. E. Potter.	Luther Campbell
59. Fort Branch Coal Co.	Fusonia.	Perry	M. A. Perry.	R. L. Robins
60. New Duane Coal Company	Bulan.	Perry	H. S. Adkins.	M. F. Moore
61. Liggett Coal Mining Co.	Viper.	Perry	R. C. Holbrook.	Jess Tyree
62. R. C. Holbrook, Trustee	Krypton.	Perry	Lam Williams.	Jim Jackson
63. Lem Williams Coal Co.	Fusonia.	Perry	G. K. Harmon.	
64. Osceola Coal Corporation	Jeff.	Perry		
65. Harmon Coal Company		Perry		

DISTRICT NO. 6—H. C. Faulkner, Inspector, Hazard, Ky.—Continued.

No.	Equip-ment	Hit. Seam	Name or No. of Seam	Kind of Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Accis.	R. R.	Remarks
47. Elec.	...	3' 4"	4	Drift	37,100	8	47	199		L. & N.	Partially co-oper.
48. Pick	...	3' 3"	4	Drift	1,285	7	11	25		L. & N.	
49. Elec.	...	4' 3"	7	Drift	108,470	15	123	191	2	L. & N.	Not co-operating
50.											
51. Elec.	...	5'	6	Drift	28,724	50	41	196		L. & N.	
52. Elec.	...	3' 6"	4	Drift	43,283	13	43	163		L. & N.	
53. Elec.	...	3' 2"	4	Drift	39,349	7	34	134		L. & N.	
54. Elec.	...	3'	4	Drift	8,200	4	29	79		L. & N.	Partially co-oper.
55. Pick	...	3' 8"	44	Drift	11,487	6	17	128		L. & N.	
56. Elec.	...	4' 4"	4	Drift	34,169	14	34	150		L. & N.	
57. Elec.	...	4' 6"	7	Drift	50,228	30	50	171		L. & N.	
58. Elec.	...	4' 2"	7	Drift	3,101						Not co-operating
59. Pick	...	5'	4	Drift	13,072	4	35	39		L. & N.	Partially co-oper.
60. Elec.	...	3' 6"	4	Drift	9,649	4	28	156		L. & N.	
61. Elec.	...	3' 8"	4	Drift	3,302	8	27	114		L. & N.	Partially co-oper.
62. Pick	...	3' 8"	4	Drift	2,400	3	12	45		L. & N.	Partially co-oper.
63. Pick	...	3' 8"	4	Drift	4,696	2	7	80		L. & N.	Partially co-oper.
64. Pick	...	3' 6"	4	Drift	1,151	4	26	31		L. & N.	Partially co-oper.
65. Pick	...	3' 4"	4	Drift		3	4	55		L. & N.	Partially co-oper.
					4,280,981	1,329	4,130	8,662		Average 144 days.	

DISTRICT NO. 7—M. L. Wells, Inspector, Paintsville, Ky.

	1921	1922	Increase	Per Cent	Decrease	Per Cent
Tons produced	2,006,503	3,153,606	1,147,103	57.00	.....	.....
Number of mines	73	104	31	42.00	.....	.....
Number of men outside	840	1,311	471	56.00	.....	.....
Number of men inside	3,278	4,189	911	27.00	.....	.....
Number of men employed	4,118	5,500	1,382	33.00	.....	.....
Average number days worked	86	104	18	20.00	.....	.....
Fatal accidents	9	10	1	11.00	.....	.....
Tons produced per accident	222,944	315,360	92,416	41.00	.....	.....
Number of electric mines	25	56	31	12.44	.....	.....
Number of pick mines	48	48	.....	.....	.....	.....
Number of wagon mines .....	.....	12	.....	.....	.....	.....
Number of non-co-operating mines .....	.....	4	.....	.....	.....	.....
Tons for wagon mines .....	.....	12,000	.....	.....	.....	.....
Tons for non-co-operating .....	.....	80,000	.....	.....	.....	.....

AVERAGE ANALYSIS OF SEAMS OF COAL IN THE SEVENTH DISTRICT

County	Name of Seam	Moisture	Volatile Matter	Fixed Carbon	Ash	Sulphur	B. T. U.
Floyd	No. 1 Elkhorn	1.35	43.72	52.78	2.35	1.04	.....
Floyd	No. 2 Elkhorn	.84	41.67	54.07	3.40	.76	.....
Johnson	Millers Crk.	1.57	41.60	54.52	2.31	.....	14,240
Lawrence	Millers Crk.	1.57	41.60	54.52	2.31	.76	14,240
Martin	No. 2 Gas	1.57	35.88	55.38	7.17	1.11	.....

DISTRICT NO. 7—M. L. Wells, Inspector, Paintsville, Ky.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
1.	Bailey Ferguson Coal Co.	Alphoretta	Floyd	Geo. H. Wolfe	J. D. Simmott
2.	May Coal Company	Alphoretta	Floyd	W. H. Layne	Isaac Peters
3.	Arzilla By-Product Coal Co.	Alphoretta	Floyd	L. B. Johnson	Wm. Blackburn
4.	Anchor Coal Company	Prestonsburg	Floyd	G. W. Rorer	S. E. Bingham
5.	Blue Beaver Coal Company	Lygon	Floyd	G. H. Justice	Fred Williams
6.	Blue Beaver Elkhorn Fuel Co.	Betsy Layne	Floyd	C. K. Holt	
7.	Big Elkhorn Coal Company	Smalley	Floyd	J. A. Perry	
8.	Elkhorn Gas Coal Company	Garth	Floyd	A. R. Benture	C. H. Miller
9.	Beaver Creek Coal Co.	Bevinsville	Floyd	D. L. Burchett	J. W. Ratliff
10.	Beaver Elkhorn Coal Co.	Ivel	Floyd	J. N. Meek	S. Johnson
11.	Camp Branch Coal Company	Smalley	Floyd	G. B. Hughes	Jno. Branham
12.	Carey Elkhorn Coal Co.	Melvin	Floyd	Sam Porter	Jno. Dills
13.	Cumberland Coal & Coke Co.	Cliff	Floyd	M. M. White	Oscar Stewart
14.	Cliff Coal Company	Lackey	Floyd	S. E. Allen	H. E. Merritt
15.	Collins Mining Company	Prestonsburg	Floyd	P. W. Fartime	J. B. Benjay
16.	Colonial Coal & Coke Co.	Emma	Floyd	M. H. Mathis	M. I. Meyers
17.	Cow Creek Coal Company	Dwale	Floyd	M. H. Mathis	M. I. Meyers
18.	Supreme Elkhorn Coal Co.	Minnie	Floyd	J. W. Hager	J. A. Webb, Mines 1 & 2
19.	Elkhorn Star Coal Co.	Minnie	Floyd	J. W. Hager	J. A. Webb, Mines 3, 4, 5 & 7
20.	Elkhorn Piney Coal Mining Co.	Weeksbury	Floyd		, No. 6 mine
21.	Elkhorn Piney Coal Mining Co.	Weeksbury	Floyd		
22.	Elkhorn Piney Coal Mining Co.	Weeksbury	Floyd		
23.	Elkhorn Piney Coal Mining Co.	Weeksbury	Floyd		
24.	Blackburn Coal Company	Alphoretta	Floyd	J. W. Rhodes	Jas. Goddwin
25.	Elkhorn Coal Corp., No. 325	Wayland	Floyd	J. W. Rhodes	J. B. Laferty
26.	Elkhorn Coal Corp., No. 326	Wayland	Floyd		

DISTRICT NO. 7—M. L. Wells, Inspector, Paintsville, Ky.—Continued.

No.	Equip.	Ht. of Seam	Name or No. of Seam	Kind of Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Accs.	R. R.	Remarks
1.	Pick	4' 6"	Elkhorn No. 1	Drift	10,701	30	51	29	1	B. & O.	Partially co-oper.
2.	Pick	5' 6"	Elkhorn	Drift	18,330	5	33	64	22	B. & O.	
3.	Pick	3' 6"	Elkhorn No. 2	Drift	620	2	7	60	22	B. & O.	
4.					980	2	9	183	60	B. & O.	
5.	Elec.	3' 6"	Elkhorn No. 1	Drift	34,957	13	46	183	183	B. & O.	
6.	Elec.	5' 3"	Elkhorn No. 3	Drift	94,812	14	71	224	1	B. & O.	
7.	Elec.	3' 6"	Elkhorn	Drift	53,450	10	86	120	1	B. & O.	
8.	Pick	4' 4"	Elkhorn No. 1	Drift	8,540	12	24	68	182	B. & O.	
9.	Elec.	3' 4"	Elkhorn No. 1	Drift	49,660	29	42	178	1	B. & O.	
10.	Pick	3' 3"	Elkhorn	Drift	17,018	6	29	106	106	C. & O.	Partially co-oper.
11.	Pick	4' 4"	Elkhorn No. 1	Drift	16,700	8	27	100	100	C. & O.	
12.	Pick	3' 6"	Elkhorn	Drift	5,000	2	21	162	122	B. & O.	
13.	Pick	3' 10"	Elkhorn	Drift	10,387	4	21	162	122	C. & O.	
14.	Elec.	3' 4"	Elkhorn	Drift	11,819	6	30	90	90	C. & O.	
15.	Pick	4' 2"	Elkhorn No. 1	Drift	13,900	10	30	80	80	C. & O.	
16.	Elec.	4' 2"	Elkhorn No. 1	Drift	76,220	14	86	200	200	C. & O.	
17.	Pick	3' 4"	Elkhorn No. 2	Drift	14,702	5	55	100	100	C. & O.	
18.	Elec.	3' 4"	Elkhorn No. 2	Drift	23,836	6	55	194	194	C. & O.	
19.	Pick	3' 6"	Elkhorn	Drift	22,597	9	29	171	171	B. & O.	
20.	Pick	3' 6"	Elkhorn	Drift	17,589	13	30	245	3	B. & O.	Not co-operating
21.	Elec.	3' 9"	Elkhorn No. 3	Drift	251,889	45	187	150	150	C. & O.	Partially co-oper.
22.								31	31	C. & O.	
23.								33	33	C. & O.	
24.	Pick	4' 6"	Elkhorn No. 1	Drift	11,114	3	13	99	99	C. & O.	
25.	Elec.	3' 6"	Elkhorn	Drift	24,327	6	33	31	31	C. & O.	
26.	Elec.	3' 6"	Elkhorn	Drift	11,957	3	31			C. & O.	

DISTRICT NO. 7—M. L. Wells, Inspector, Paintsville, Ky.—Continued.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
27.	Elkhorn Coal Corp., No. 327.	Wayland	Floyd	W. R. Morris	B. F. Bailey
28.	Elkhorn Coal Corp., Nos. 328-31.	Wayland	Floyd	W. R. Morris	B. E. Crothers
29.	Elkhorn Coal Corp., No. 329.	Wayland	Floyd	J. A. Demarcus	Leo Wilburn
30.	Elkhorn Coal Corp., No. 330.	Wayland	Floyd	J. A. Demarcus	Jas. Beacher
31.	Elkhorn Coal Corp., No. 351.	Wayland	Floyd	J. A. Demarcus	C. W. Kinney
32.	Elkhorn Coal Corp., No. 377.	Wheelwright	Floyd	Wm. H. Trausneck	Wm. Lewis
33.	Elkhorn Coal Corp., Nos. 379-381.	Wheelwright	Floyd	W. H. Trausneck	Wm. Lewis
34.	Elkhorn Coal Corp.	Wheelwright	Floyd	W. H. Trausneck	G. C. Billips
35.	Coal River Collieries	Prestonsburg	Floyd	J. W. Kilburn	P. Mann
36.	Elkhorn Block Coal Company	Lygon	Floyd	W. R. Stewart	Chas. Stewart
37.	Edgement Fuel Company	Minnie	Floyd	J. W. Cockill	J. H. Wilson
38.	Floyd Elkhorn Consolid. Coal Co.	Drift	Floyd	G. C. Lee	R. E. Nitton
39.	Glogora Coal Company 2	Whalen	Floyd	C. O. Messenger	Jas. Sparks
40.	Southern Elkhorn Coal Corp.	Garrett	Floyd	J. D. Barney	Bosh Boyd
41.	Harold Coal & Coke Company	Harold	Floyd	J. D. Small	H. B. Hooper
42.	Jones Collieries Company	Banner	Floyd	W. M. Pack	C. Volenskie
43.	Jacks Creek Coal Company	Bevinsville	Floyd	J. W. Shober	W. H. Cox
44.	J. N. Meek Coal Company	Drift	Floyd	J. N. Meek	Fred Mann
45.	Ky. Beaver Collieries Co.	Banner	Floyd	H. L. Jones	Wm. Daniels
46.	Layne Coal Company	Harold	Floyd	W. H. Layne	Jno. Harmon
47.	Lorraine Coal Company	Melvin	Floyd	H. T. Draft	
48.	Lackey Mining Company	Lackey	Floyd		
49.	Liberty Coal Company	McDowell	Floyd	W. J. Mc Curry	F. A. Adams
50.	McGuire Elkhorn Coal Co.	Smalley	Floyd	H. C. McGuire	C. A. Amburgy
51.	Miller Creek Excelsior Coal Co.	Auxier	Floyd	T. B. Layne	Chas. Donley
52.	Martha Leslie Coal Company	Emma	Floyd	S. E. Allen	L. Thompson

DISTRICT NO. 7—M. L. Wells, Inspector, Paintsville, Ky.—Continued.

No.	Equip-ment	Height of Seam	Name or No. of Seam	Kind of Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Acc'ts.	R. R.	Remarks
27.	Elec.	3'	Elkhorn	Drift	60,312	10	60	116		C. & O.	
28.	Elec.	3'	Elkhorn	Drift	52,783	10	81	86		C. & O.	
29.	Elec.	3'	Elkhorn	Drift	79,231	11	82	152		C. & O.	
30.	Elec.	3'	Elkhorn	Drift	22,105	6	30	87		C. & O.	
31.	Elec.	3'	Elkhorn	Drift	11,369	5	22	69		C. & O.	
32.	Elec.	4'	Elkhorn	Drift	11,389	8	57	30		B. & O.	
33.	Elec.	4'	Elkhorn	Drift	14,610	9	57	29		C. & O.	
34.	Elec.	4'	Elkhorn	Drift	11,929	7	66	30		C. & O.	
35.	Elec.	3'	Millers Creek	Drift	39,310	10	40	157		C. & O.	
36.	Elec.	4'	Elkhorn No. 3	Drift	8,825	5	22	90		B. & O.	
37.	Pick	3'	Elkhorn 1 & 2	Drift	22,529	6	28	174		B. & O.	
38.	Pick	3'	Elkhorn No. 2	Drift	66,459	25	59	146		B. & O.	
39.	Elec.	4'	Elkhorn No. 1	Drift	98,240	26	86	214		C. & O.	
40.	Pick	3'	Elkhorn No. 1	Drift	24,177	8	18	163		C. & O.	
41.	Elec.	3'	Elkhorn	Drift	42,721	12	69	154		C. & O.	
42.	Elec.	6'	Elkhorn	Drift	19,128	6	21	192		B. & O.	
43.	Elec.	3'	Elkhorn No. 3	Drift	12,811	12	21	145		B. & O.	
44.	Pick	3'	Elkhorn No. 2	Drift	18,753	4	25	209		C. & O.	
45.	Elec.	3'	Elkhorn No. 4	Drift	27,566	16	37	229		C. & O.	
46.	Pick	3'	Elkhorn	Drift	22,405	4	31	100		C. & O.	
47.	Pick	3'	Elkhorn	Drift	7,337	2	17	80		B. & O.	
48.	Pick	3'	Elkhorn No. 2	Drift	43,697	7	47	144		C. & O.	
49.	Pick	3'	Elkhorn No. 3	Drift	26,694	5	23	231		C. & O.	
50.	Pick	4'	Elkhorn No. 4	Drift	14,972	4	22	100		C. & O.	
51.	Pick	2'	Millers Creek	Drift	9,231	6	22	61		C. & O.	Partially co-oper.
52.	Pick	3'	Elkhorn No. 2	Drift	9,802	4	13	159		C. & O.	Partially co-oper.

DISTRICT NO. 7—M. L. Wells, Inspector, Paintsville, Ky.—Continued.

Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
Malone Elkhorn Coal Company	Allen	Floyd	P. H. Malone	Lee Salmons
Middle Creek Coal Company	Prestonsburg	Floyd	G. B. Archer	Harry Cooley
Northern Elkhorn Coal Co.	Prestonsburg	Floyd	W. W. Cooley	Jas. Lyons
Pike-Floyd Coal Company	Betsy Layne	Floyd	Joe Slater	Ballard Harold
Purity Cannel Coal Company	Prestonsburg	Floyd	Jno. Hunley	Wm. Cherota
Porter Mining Company	Lackey	Floyd	Sam Porter	J. W. Alley, Jr.
Prestonsburg Coal Company	Prestonsburg	Floyd	J. W. Alley, Sr.	G. C. Stevens
Pivot Rock Coal Company	Smalley	Floyd	R. V. Wohlford	R. E. Ellis
Regal Block Coal Company	Ivel	Floyd	Jasper Fleener	Jas. Habson
Royal Elkhorn Coal Company	McDowell	Floyd	R. J. Thomas	
Standard Elkhorn Coal Co.	Garrett	Floyd	O. J. Johnson	
St. Paul Coal Company	Betsy Layne	Floyd	J. O. Williams	
Superior Elkhorn Coal Co.	Bevinsville	Floyd	W. W. Linsley	Mat. Adams
Stover Elkhorn Coal Co.	Lackey	Floyd	H. Stover	B. Robertson
Samoset Fuel Company	Smalley	Floyd		
Trivette Elkhorn Coal Co.	Smalley	Floyd		
Virginia Mining Company	Allen	Floyd	Jno. Hunley	Dick McClure
Winchester Coal Company	Emma	Floyd	B. L. Porter	William Wood
Waldon Coal Company	Emma	Floyd	S. E. Allen	L. Thompson
Wells Elkhorn Coal Co., No. 1	Estill	Floyd	Ernest Logan	A. T. Peters
Wells Elkhorn Coal Co., No. 2	Estill	Floyd	Ernest Logan	Jas. Tufts
Wells Elkhorn Coal Co., No. 4	Estill	Floyd	Ernest Logan	E. L. Lambert
Wells Elkhorn Coal Co., No. 5	Estill	Floyd	Ernest Logan	G. P. Bailey
Zella Mining Company	Lackey	Floyd		
Hays Elkhorn Coal Co.	Northern	Floyd	A. E. Hays	A. E. Hays
Central Elkhorn Coal Co.	Smalley	Floyd	R. W. Brunk	I. N. Stephens

DISTRICT NO. 7—M. I. Wells, Inspector, Paintsville, Ky.—Continued.

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DISTRICT NO. 7—M. L. Wells, Inspector, Paintsville, Ky.—Continued.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
79.	Beaver Mountain Coal Co.	Allen	Floyd	A. Fleming	Dick McGuire
80.	Turner Elkhorn Coal Co.	Drift	Floyd	J. B. Vinson	W. H. Weddington
81.	Long Branch Coal Co.	Drift	Floyd	Wm. Smith	Wm. Smith
82.	Beaver Elkhorn Collieries Co.	Drift	Floyd		
1.	Ayers-Lang Coal Company	Williamsport	Johnson	C. C. Ward	J. R. Worland
2.	Consolidation Coal Co.	Van Lear	Johnson	J. A. Cook	J. W. Hammond
3.	Consolidation Coal Co.	Van Lear	Johnson	Wm. Harrison	Chris. Bayles
4.	Consolidation Coal Co.	Van Lear	Johnson	Wm. Harrison	G. E. Cecil
5.	Consolidation Coal Co.	Van Lear	Johnson	Wm. Harrison	H. G. Lewis
6.	Consolidation Coal Co.	Paintsville	Johnson	T. B. Preston	J. B. Dills
7.	Miners Elkhorn Coal Co.	Denver	Johnson		
8.	Denver Coal Company	Denver	Johnson		
9.	Green Rick Company	Riceville	Johnson	S. C. Filder	W. W. Connley
10.	North East Coal Company	Paintsville	Johnson	R. C. Thomas	H. D. Jones
11.	North East Coal Company	Paintsville	Johnson		
12.	North East Coal Company	Paintsville	Johnson		
13.	North East Coal Company	Paintsville	Johnson		
14.	Line Branch Coal Company	Denver	Johnson	H. C. Sale	H. C. Sale
15.	Royal Collieries Co.	Oftutt	Johnson	T. B. Jones	Jas. Blevins

DISTRICT NO. 7—M. L. Wells, Inspector, Paintsville, Ky.—Continued.

No.	Height of Seam	Name or No. of Seam	Kind of Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Accs.	R. R.	Remarks
79.	Pick	Elkhorn No. 2	Drift	566	3	18	18	18	C. & O.	Not co-operating
80.	Pick	Elkhorn No. 1	Drift	9,032	14	118	114	114	C. & O.	
81.	Pick	Elkhorn No. 1	Drift	10,700	3	19	214	214	C. & O.	
82.	Pick	Elkhorn No. 1	Drift	5,000	4	21	134	134	C. & O.	
				2,398,057	833	2,996	10,172	Average 124 days.		
1.	Pick	Cannel	Drift	7,617	9	18	72	72	C. & O.	
2.	Elec.	Millers Creek	Drift	13,415	51	45	32	32	C. & O.	
3.	Elec.	Millers Creek	Drift	8,770	33	25	29	29	C. & O.	
4.	Elec.	Millers Creek	Drift	11,086	44	54	32	32	C. & O.	
5.	Elec.	Millers Creek	Drift	22,815	58	54	35	35	C. & O.	
6.	Elec.	Millers Creek	Drift	17,815	57	67	32	32	C. & O.	
7.	Pick	1	Drift	13,874	9	26	155	155	C. & O.	Not co-operating
8.	Pick	Millers Creek	Drift	13,000	5	12	135	135	C. & O.	
9.	Pick	Millers Creek	Drift	35,401	17	75	63	63	C. & O.	
10.	Elec.	Millers Creek	Drift	41,560	15	75	79	79	C. & O.	
11.	Elec.	Millers Creek	Drift	46,721	28	137	52	52	C. & O.	
12.	Elec.	Millers Creek	Drift	37,576	19	66	109	109	C. & O.	
13.	Elec.	1	Drift	5,072	5	17	125	125	C. & O.	
14.	Pick	Millers Creek	Drift	32,477	19	131	31	31	C. & O.	
15.	Elec.	Millers Creek	Drift	307,299	369	802	991	Average 66 days.		

DISTRICT NO. 7—M. L. Wells, Inspector, Paintsville, Ky.—Continued.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
1.	Crystal Block Collieries Co.	Richardson	Lawrence	C. E. Stafford	C. P. Shannon
2.	Torchlight Coal Company	Torchlight	Lawrence		
3.	Sure Burn Coal Company	Richardson	Lawrence		
1.	Cub Mountain Coal & Coke Co.	Nolan, W. Va.	Martin	T. A. Shewey	J. W. Lambert
2.	Mack Coal Company	Gray Eagle, W. Va.	Martin	J. D. McLaughlin	F. A. Peak
3.	Earlston Coal Company	Kernitt, W. Va.	Martin	J. B. Farquharson	P. W. Farquharson
4.	Flow Mining Company	Kernitt, W. Va.	Martin	Martin Hunter	A. L. Toshie
5.	Himler Coal Company	Warefield	Martin	E. H. Simpkins	J. D. Scalf
6.	Wince Block Coal Company	Naugatuck, W. Va.	Martin		

DISTRICT NO. 7—M. L. Wells, Inspector, Paintsville, Ky.—Continued.

No.	Equip-ment	Ht. of Seam	Name or No. of Seam	Kind of Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Accts.	R. R.	Remarks
1.	Pick	4'	Elkhorn	Drift	7,519	8	21	121		C. & O.	
2.	Elec.	4'	McHenry	Drift	6,782	3	21	88		C. & O.	
3.	Pick	3'	Elkhorn	Drift	24,195	16	47	293		C. & O.	
					38,496	27	89	502	Average 167 days.		
1.	Pick	4'	Thresher	Drift	5,000	10	38	10		N. & W.	Partially co-oper.
2.	Pick	4'	No. 2 Gas	Shaft	16,500	10	39	165		N. & W.	
3.	Elec.	4'	No. 2 Gas	Drift	62,178	12	75	228		N. & W.	
4.	Pick	5'	No. 2 Gas	Drift	16,868	7	12	165		N. & W.	
5.	Elec.	5'	No. 2 Gas	Drift	197,508	33	106	175	1	N. & W.	
6.	Elec.	3'	Chilton	Drift	19,700	10	32	120		N. & W.	
					317,754	82	302	863	Average 143 days.		

DISTRICT NO. 8—Grant Phillips, Inspector, Pikeville, Ky.

	1921	1922	Increase	Per Cent	Decrease	Per Cent
Tons produced	3,280,283	6,533,256	3,252,973	99.00	.....	.....
Number of mines	58	84	26	44.82	.....	.....
Number of men outside	1,389	1,506	117	8.00	.....	.....
Number of men inside	4,429	5,951	1,522	34.00	.....	.....
Number of men employed	5,818	7,457	1,639	28.00	.....	.....
Average number days worked	110	161	51	46.00	.....	.....
Fatal accidents	15	30	15	100.00	.....	.....
Tons produced per accident	218,685	217,775	.....	.....	910	41
Number of electric mines	42	58	16	33.00	.....	.....
Number of pick mines	15	26	10	66.00	.....	.....
Number of wagon mines .....	.....	15	.....	.....	.....	.....
Tons for wagon mines .....	.....	15,000	.....	.....	.....	.....

AVERAGE ANALYSIS OF SEAMS OF COAL IN THE EIGHTH DISTRICT

County	Name of Seam	Moisture	Volatile Matter	Fixed Carbon	Ash	Sulphur	B. T. U.
Pike	Upper Elkhorn	1.35	43.72	52.78	2.35	1.04	.....
Pike	Lower Elkhorn	.84	41.69	54.07	3.40	.76	.....
Pike	Pond Creek	.94	35.73	57.39	5.94	.55	.....
Pike	Thacker	1.87	40.89	52.29	6.07	2.57	.....
Pike	Alma	.....	36.38	61.56	2.16	.66	.....

DISTRICT NO. 8—Grant Phillips, Inspector, Pikeville, Ky.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
1.	Alma Thacker Coal Co.	McCarr.	Pike	G. C. Deaton	O. H. Walker
2.	Albion Coal Company	McCarr.	Pike	W. H. Turner	E. C. Caudill
3.	Borderland Coal Corp.	Borderland, W. Va.	Pike	R. H. Tinsley	Blaine Bowling
4.	Borderland Coal Corp.	Borderland, W. Va.	Pike	A. Mooney	A. Mooney
5.	Burnwell Coal & Coke Co.	Sprigg, W. Va.	Pike	R. C. Pritchard	J. W. Rudd
6.	Shelby Mining Company	Shelbiana	Pike	Cleve Lusk	Chas. Lusk
7.	Big Hollow Coal Company	Pikeville	Pike	T. N. Huffman	T. N. Huffman
8.	Buckfield Coal Company	Elkseam	Pike	A. B. Brock	B. F. Stretner
9.	Pike Pond Creek Coal Co.	McAndrews	Pike	Luther Williamson	Fred Hinkle
10.	Banner Pond Creek Coal Co.	Orinoco	Pike	E. J. Arcsmille	J. K. McGlue
11.	Bailey Fuel Company	Toler	Pike	W. J. Murphy	W. V. Varner
12.	Coal Run Mining Co.	Coal Run	Pike	H. H. Funk	H. W. Fife
13.	Carry On Coal Co.	Toler	Pike	M. F. Hensley	S. S. Tye & F. Tye
14.	Broad Bottom Coal Co.	Mossy Bottom	Pike	H. H. Funk	H. C. Rosky
15.	Black Gem Coal Co.	Toler	Pike	C. W. Arnold	Henry Nolan, Big Br. Mine
16.	Edgewater Coal Corp.	Lookout	Pike	J. A. Straughan	A. L. Goodson, Coal Dale Mi.
17.	Edgewater Coal Corp.	Hellier	Pike	C. H. Scott	R. H. Hickman, H. Clay Mi.
18.	Edgewater Coal Corp.	Lookout	Pike		Lookout Mine
19.	Edgewater Coal Corp.	Lookout	Pike		
20.	Elkhorn Gas Coal Corp.	Praise	Pike	D. Berryman	H. H. Canady
21.	Elkhorn & Shelby Crk. Coal	Esco	Pike	Chas. W. Conner	S. D. Mallory
22.	Elkhorn Seam Collieries Co.	Elkseam	Pike		
23.	Furnace Coal Mining Co.	Boldman	Pike	D. N. Davis	Jno. Caudill
24.	Funk Coal Company	Sutton	Pike	H. H. Funk	J. L. Fife
25.	Fall Branch Coal Co.	Chattaroy, W. Va.	Pike	G. C. Wray	Wm. Copley
26.	Ford Elkhorn Mining Co.	Robinson Creek	Pike	T. J. Phillips	M. Messoax

DISTRICT NO. 8—Grant Phillips, Inspector, Pikeville, Ky.—Continued.

No.	Equip.	Ht. of Seam	Name or No. of Seam	Kind of Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Acc'ts.	R. R.	Remarks
1.	Elec.	4'	Thacker	Drift	44,600	35	70	105		N. & W.	
2.	Elec.	4'	Thacker	Drift	128,079	45	85	217		N. & W.	
3.	Elec.	3'	Taylor	Drift	141,193	35	95	241		N. & W.	
4.	Elec.	3'	Thacker	Drift	100,537	31	79	225		N. & W.	
5.	Elec.	4'	Pond Creek	Drift	41,000	20	84	110		N. & W.	
6.	Pick	4'	Upper Elkhorn	Drift	14,315	7	27	145		N. & W.	
7.	Pick	4'	Upper Elkhorn	Drift	3,350	8	27	95		C. & O.	
8.	Pick	4'	Upper Elkhorn	Drift	20,828	6	34	216		B. & O.	
9.	Pick	5'	Pond Creek	Drift	22,400	4	28	114		N. & W.	
10.	Pick	4'	Pond Creek	Drift	10,329	6	9	115	1	N. & W.	
11.	Elec.	3'	Pond Creek	Drift	123,052	20	126	176		N. & W.	
12.	Pick	4'	Upper Elkhorn	Drift	11,450	4	24	137		C. & O.	
13.	Elec.	4'	Pond Creek	Drift	21,300	11	20	104		C. & O.	
14.	Elec.	5'	Lower Elkhorn	Drift	20,640	6	34	85		C. & O.	
15.	Pick	4'	Pond Creek	Drift	21,280	11	39	92		N. & W.	
16.	Pick	4'	Lower Elkhorn	Drift	13,659	4	48	37	1	C. & O.	
17.	Elec.	4'	Upper & Lower	Drift	248,515	41	251	186	1	C. & O.	
18.	Pick	4'	Upper & Lower	Drift	103,396	20	125	188		C. & O.	
19.											Abandoned.
20.	Elec.	4'	Lower Elkhorn	Drift	45,472	7	41	256		C. & O.	
21.	Elec.	5'	Upper Elkhorn	Drift	91,657	16	65	157		C. & O.	
22.	Elec.	4'	Upper Elkhorn	Drift	40,739	16	54	195	1	C. & O.	
23.	Elec.	6'	Lower Elkhorn	Drift	39,023	6	46	61		C. & O.	
24.	Pick	5'	Elkhorn	Drift	13,850	5	16	240		C. & O.	
25.	Elec.	4'	Thacker	Drift	30,004	10	47	203		N. & W.	
26.	Elec.	4'	Upper Elkhorn	Drift	31,700	21	53	115		B. & O.	

DISTRICT NO. 8—Grant Philips, Inspector, Pikeville, Ky.—Continued.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
27.	Greenough Coal Company	Hellier	Pike	J. N. Smith	Tony Compton
28.	Jas. Hatcher Coal Co.	Big Shoal	Pike	A. L. Trimble	A. L. Trimble
29.	J. B. Elkhorn Coal Co.	Hildason	Pike	L. L. Shavers	J. M. Woolman
30.	J. E. Polley Coal Co.	Millard	Pike	W. B. May	J. L. Fife
31.	Ky. Block Fuel Co.	Jonancy	Pike	W. J. Andrews	L. H. Adams
32.	Keyser Coal Company	Keyser	Pike	Stony Amick	Jack Ramey
33.	Kanawha Elkhorn Collieries Co.	Praise	Pike	R. C. Simpkins	A. J. McKinney
34.	Kanawha Elkhorn Collieries Co.	Praise	Pike	R. C. Simpkins	W. L. Parudue
35.	Kanawha Elkhorn Collieries Co.	Praise	Pike	R. C. Simpkins	
36.	Kanawha Elkhorn Collieries Co.	Praise	Pike	R. C. Simpkins	
37.	Kentucky Elkhorn Coal Corp.	Praise	Pike	F. R. Scott	W. R. Todd
38.	Ky. Elkhorn By-Product Coal Co.	Dorton	Pike	H. H. Davis	W. Belcher & Lee Belcher
39.	Leckie Collieries Company	Alex.	Pike	Wm. Leckie	G. C. Cline & Ben Hackney
40.	Mosey Bottom Mining Co.	Sprigg, W. Va.	Pike	S. C. Allen	Lee Daniels
41.	Manufactures Coal & Coke Co.	Manco	Pike	E. B. Childers	Emil Childers
42.	Mud Lick Coal Company	Sharondale	Pike	P. S. York	J. E. Huffard
43.	McKinney Steel Coal Company	Wolf Pit	Pike	L. C. Campbell	J. W. Estep
44.	McKinney Steel Coal Company	Wolf Pit	Pike	M. H. Raibor	R. T. Price & Sizemore
45.	Majestic Collieries Company	Majestic	Pike	R. H. Heyser	Thos. Lemon & Jno. Dowd
46.	Marietta Coal Corporation	Pinson Fork	Pike	J. H. Young	Walter Wrotn
47.	Marrowbone Mining Company	Lookout	Pike	C. C. Jacobs	R. L. Woods
48.	Orinoco Mining Company	Orinoco	Pike	J. H. Wagner	Rich. Browning
49.	Payne Pond Creek Coal Co.	Stone	Pike	W. L. Lang	Lon Helm
50.	Pond Creek Coal Co., No. 1	Hardy	Pike	Joe Madison	Chas. Duncan
51.	Pond Creek Coal Co., No. 2	Hardy	Pike	Joe Madison	J. C. Murray
52.	Pond Creek Coal Co., No. 3	Stone	Pike	G. E. Shelor	Joe Helm

DISTRICT NO. 8—Grant Philips, Inspector, Pikeville, Ky.—Continued.

No.	Height of Seam	Name or No. of Seam	Kind or Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Accis.	R. R.	Remarks
27.	4'	Elkhorn	Drift	75,064	12	64	159		C. & O.	
28.	5'	Elkhorn 1 & 2	Drift	34,050	12	79	120		B. & O.	
29.	4'	Upper Elkhorn	Drift	97,092	29	94	164	1	B. & O.	
30.	3'	Elkhorn No. 2	Drift	11,600	7	24	150	1	C. & O.	
31.	4'	Upper Elkhorn	Drift	55,609	14	62	128		C. & O.	
32.	6'	Upper Elkhorn	Drift	41,863	18	78	108		C. & O.	
33.	5'	Upper Elkhorn	Drift	42,697	4	54	174	1	C. & O.	
34.	5'	Upper Elkhorn	Drift	33,702	10	30	215		C. & O.	
35.	5'	Upper Elkhorn	Drift	12,389	4	17	209		C. & O.	
36.	5'	Upper Elkhorn	Drift	524	6	10	26		C. & O.	
37.	3'	Lower Elkhorn	Drift	72,922	6	39	193		C. & O.	
38.	4'	Elkhorn	Drift	72,456	5	65	169	1	B. & O.	
39.	4'	Pond Creek	Drift	186,830	25	225	206	1	N. & W.	
40.	3'	Elkhorn No. 1	Drift	20,600	3	23	137		N. & W.	
41.	3'	Upper & Lower	Drift	180,957	40	167	205		C. & O.	
42.	4'	Pond Creek	Drift	32,600	5	25	160		C. & O.	
43.	3'	Upper Elkhorn	Drift	399,550	150	312	301		C. & O.	
44.	4'	Upper Elkhorn	Drift	103,890	59	99	169		C. & O.	
45.	5'	Warfield	Drift	240,288	12	216	215	1	N. & W.	
46.	5'	Pond Creek	Drift	45,491	9	44	165	9	N. & W.	
47.	3'	Upper Elkhorn	Drift	100,500	53	66	182		C. & O.	
48.	4'	Pond Creek	Drift	79,336	27	122	160		N. & W.	
49.	5'	Pond Creek	Drift	22,381	2	23	154		N. & W.	
50.	4'	Pond Creek	Drift	599,009	14	82	131		N. & W.	
51.	4'	Pond Creek	Drift	60,579	34	80	151		N. & W.	
52.	5'	Pond Creek	Drift	194,905	51	118	214		N. & W.	

DISTRICT NO. 8—Grant Philips, Inspector, Pikeville, Ky.—Continued.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
53.	Pond Creek Coal Co., No. 4	Stone	Pike	G. E. Shelor	Wm. Eades
54.	Pond Creek Coal Co., No. 5	Stone	Pike	G. E. Shelor	C. H. Nowles
55.	Pond Creek Coal Co., No. 6	McVey	Pike	D. W. Hogan	H. K. Tilley
56.	Pond Creek Coal Co., No. 7	McVey	Pike	D. W. Hogan	H. Caines
57.	Pond Creek Coal Co., No. 8	Stone	Pike	G. E. Shelor	H. S. Wentz
58.	P. M. C. Coal Company	Sprigg, W. Va.	Pike	H. L. Ross	Thos. Maynard
59.	Paragon Elkhorn Collieries Co.	Dunleary	Pike	C. P. Chatfield	C. H. Blakely
60.	Pond Crk. By-Prod. Collieries Co.	Williamson, W. Va.	Pike	Bob Gould	J. W. Cunningham
61.	Praise Elkhorn Coal Company	Dunleary	Pike	Kenis Elswick	W. A. Mullins
62.	Portsmouth By-Product Coal Co.	Edgerton, W. Va.	Pike	Thos. Devinney	J. E. Edwards & J. Phillip
63.	Rogers Elkhorn Coal Co.	Virgie	Pike	T. E. Rogers	Bass Jones
64.	Excelsior By-Product Coal Co.	Shelbiana	Pike	C. K. Wagner	A. H. Bollins
65.	Sullivan Pond Creek Coal Co.	Shock	Pike	Wayne Pymal	
66.	Sharon Coal & Coke Company	Sharondale	Pike	W. E. Tireney	S. L. Bowling
67.	Steel Coal Company	Mossy Bottom	Pike	Fred Stone	Jas. Complan
68.	Sudduth Fuel Company	Stone	Pike	J. A. Bassham	Fred Bivins
69.	Kingston Pocahontas Coal Co.	Ep.	Pike	E. W. Price	M. C. Cooper
70.	T. N. Huffman Coal Company	Pikeville	Pike	T. N. Huffman	Sid Huffman
71.	Triangle Coal Company	Stone	Pike	T. N. Daugherty	N. B. Harvey
72.	Tierney Mining Company	Stone	Pike	G. C. Woods	George Foster
73.	Thacker Coal Mining Co.	RoseSiding, W. Va.	Pike	R. M. Slaughter	A. L. Copeley
74.	Victor Coal Company	McAndrews	Pike	Wm. Gardner	Claude Maynard
75.	Vulcan Collieries Co.	Vulcan, W. Va.	Pike	P. J. Wynn	J. M. Aliff
76.	Ira Coal Company	Goody	Pike	F. Blackburn	J. R. Wofford
77.	Winston Elkhorn Coal Co.	Kewanee	Pike	Wm. Coleman	Frank Jones
78.	Winston Elkhorn Coal Co.	Regina	Pike	W. H. Price	

DISTRICT NO. 8—Grant Philips, Inspector, Pikeville, Ky.—Continued.

No.	Height of Seam	Name or No. of Seam	Kind of Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Acc'ts.	R. R.	Remarks
53.	Elec.	5' 6"	Drift	77,534	8	55	215		N. & W.	
54.	Elec.	5' 6"	Drift	134,205	19	108	217		N. & W.	
55.	Elec.	5' 6"	Drift	144,114	10	94	214		N. & W.	
56.	Elec.	5' 6"	Drift	156,641	26	113	215	1	N. & W.	
57.	Elec.	5' 6"	Drift	113,283	16	75	216		N. & W.	
58.	Elec.	3' 8"	Drift	13,055	6	30	33	1	N. & W.	
59.	Elec.	5' 6"	Upper Elkhorn	87,502	11	87	243	1	N. & W.	
60.	Elec.	5' 4"	Freeburn	172,641	43	64	312	1	C. & O.	
61.	Elec.	3' 6"	Drift	16,952	8	22	118		C. & O.	
62.	Elec.	5' 6"	Thacker	351,430	62	322	231		N. & W.	
63.	Elec.	6' 8"	Lower Elkhorn	49,204	22	67	38	1	C. & O.	
64.	Pick	4' 6"	Lower Elkhorn	8,819	7	26	120	1	C. & O.	
65.	Elec.	4' 6"	Pond Creek	109,252	17	93	182	1	N. & W.	
66.	Elec.	4' 6"	Pond Creek	45,587	20	54	234		N. & W.	
67.	Elec.	5' 4"	Upper Elkhorn	42,200	12	86	152		C. & O.	
68.	Elec.	4' 4"	Pond Creek	172,729	25	126	161	1	N. & W.	
69.	Elec.	3' 10"	Pond Creek	72,827	31	95	132		N. & W.	
70.	Pick	5' 5"	Upper Elkhorn	8,881	2	10	250		C. & O.	
71.	Pick	5' 5"	Pond Creek	18,010	4	29	167		N. & W.	
72.	Elec.	5' 5"	Pond Creek	148,523	40	182	188		N. & W.	
73.	Elec.	4' 6"	Thacker	76,254	15	62	179	1	N. & W.	
74.	Pick	5' 6"	Pond Creek	25,501	3	14	160		N. & W.	
75.	Elec.	3' 9"	Alma	166,246	44	115	302		N. & W.	
76.	Pick	3' 4"	Pond Creek	11,437	2	13	182		N. & W.	
77.	Elec.	4' 6"	Elkhorn	44,340	11	78	200	1	C. & O.	
78.	Pick	4' 6"	Drift	12,886	7	27	110	1	C. & O.	

DISTRICT NO. 8—Grant Philips, Inspector, Pikeville, Ky.—Continued.

No.	Name of Company	Post Office	County	Name of Supt.	Name of Mine Foreman
79.	Younce Collieries Co.	Mossy Bottom	Pike	A. J. Younce	H. E. Hembree
80.	Upper Elkhorn Coal Company	Argo	Pike	J. F. Mitchell	Chas. Smith
81.	Bailey Pond Creek Coal Co.	Williamson, W. Va.	Pike	Ralph Mulkey	Chas. Rink
82.	Keel Coal Company	Pikeville	Pike	J. F. Pauley	B. F. Woody
83.	Elkhorn Marrowbone Mining Co.	Wolf Pit	Pike	J. W. Stair	Fred Fife
84.	Looney Justice Coal Company	Regina	Pike	Geo. Justice	
85.	Elkhorn Coleman Coal Company	Millard	Pike	J. H. McBrayer	

DISTRICT NO. 8—Grant Philips, Inspector, Pikeville, Ky.—Continued.

No.	Equip-ment	Ht. of Seam	Name or No. of Seam	Kind of Opening	Tons Produced	Men Outside	Men Inside	Days Worked	Fatal Acc'ts.	R. R.	Remarks
79.	Pick	3'	Elkhorn	Drift	4,423	2	17	56		C. & O.	
80.	Elec.	3'	Alma	Drift	15,069	3	18	230		B. S. & C.	
81.	Elec.	4'	Pond Creek	Drift	33,250	6	41	65	2	N. & W.	
82.	Elec.	4'	Elkhorn No. 1	Drift	28,181	6	44	13		C. & O.	
83.	Pick	4'	Elkhorn	Drift	7,600	6	36	76		C. & O.	
84.	Pick	3'	Elkhorn	Drift	2,500	1	16	80		C. & O.	
85.	Pick	4'	Elkhorn	Drift	1,685	5	14	90		C. & O.	
					6,518,256	1,506	5,951	13,506		Average 158 days.	

FIRST DISTRICT

Hon. L. Blenkinsopp,
Chief Inspector of Mines,
Lexington, Kentucky.

Dear Mr. Blenkinsopp:

I am enclosing you herewith my annual report for the year 1922, giving the names of all of the mines and the ones examined. I am pleased to report that I have had the hearty co-operation of all the operators and miners in my district which is the First District at Madisonville, Ky., and I appreciate their kind co-operation and also the courtesy shown me by you and the Department.

Trusting this is satisfactory to you, I am,

Very respectfully yours,

WILLIAM ROBERTS,
Assistant State Mine Inspector.

Mr. Lawson Blenkinsopp,
Chief Inspector,
Lexington, Kentucky.

Dear Sir:

I herewith submit to you annual report of my activities as Assistant Inspector of Mines for the year 1922.

ST. BERNARD MINING CO., Headquarters, Earlington, Ky.
F. D. Rash, President and General Manager; A. G. Spillman, Gen. Superintendent; H. S. Sizemore, Asst. Superintendent.

This is one of the largest coal producing companies in Western Kentucky, operating ten mines in Hopkins and Webster Counties, viz.:

FOX RUN MINE, St. Charles, Ky.

W. T. Sisk, Mine Foreman.

This is a drift mine, working No. 9 seam. Coal is mined by electric machine and hauled by mules and motor. Black slate roof.

SOUTH DIAMOND MINE, Morton Gap, Ky.

Henry Harris, Mine Foreman.

This mine is located on the L. & N. R. R. in Hopkins County. It is a drift mine; coal is mined by electric machine, working No. 9 seam, hauled by motor and mules; has black slate roof, not very good.

ARNOLD MINE, Earlington, Ky.

Lee Nichols, Mine Foreman.

This is a drift mine on the L. & N. R. R. in Hopkins County, working No. 9 seam. The coal is mined by electric machine, hauled by mules and motor; has black slate roof in fairly good condition.

NO. 9 MINE, Earlington, Ky.

Emmett Wyatt, Mine Foreman.

This is a slope mine on the L. & N. R. R. in Hopkins County, working No. 9 seam. Coal is mined by electric machine and hauled by electric motor; has a black slate roof, fairly good.

NO. 11 MINE, Earlington, Ky.

James Cloern, Mine Foreman.

This is a drift mine located on the L. & N. R. R. in Hopkins County, working No. 11 seam. Coal is mined by electric machine, hauled by motor; has a good limestone roof.

NISBET MINE, Earlington, Ky.

A. R. O'Bannon, Mine Foreman.

This is a slope mine, working No. 11 seam, located on L. & N. R. R. in Hopkins County. Coal is mined by electric machine, hauled by mules and motor; has a good limestone roof, and the mine is in very fine condition.

HECLA MINE, Earlington, Ky.

Dell Bowles, Mine Foreman.

This is a drift mine located on the L. & N. R. R. in Hopkins County, working No. 9 seam. Coal is mined by Sullivan

electric machine, hauled by mules and motor, operated on the double entry system.

NORTH DIAMOND MINE, Earlington, Ky.

G. T. Sadler, Mine Foreman.

This is a new mine located on the L. & N. R. R. in Hopkins County, just in the development stage; has not been developed to any great extent, but is all new and up-to-date equipment and is equipped for a large output.

On September 10th, 1922, I was called to the phone Sunday night about 9:30 p. m. and notified that there had been an explosion in the St. Bernard North Diamond Mine. I immediately went to this mine, arriving there 10:20 p. m. I first made an examination under machines to ascertain if there was any fire in the mines. As soon as we found there was no fire we started the fan and went and recovered the dead boys and brought them out at 11:50, turned them over to the undertaker. Chas. Woodruff was the night man and took the boys down in the mine to look around. The boys names were Eddie Harris, Jr., age 13; Vinyard Hammers, age 12; Talmer Nelson, age 11. There was considerable damage done to the mine by this explosion.

SHAMROCK MINE, Providence, Ky.

John Harlin, General Superintendent and Foreman; Arch Branson, Assistant Foreman.

This is a shaft mine located on the L. & N. R. R. in Webster County, working No. 11 seam. The coal is mined by electric machine and hauled by motor; has a limestone roof.

LUTON MINE, Providence, Ky.

John Harlin, General Foreman and Supt.; Roy Cobb, Assistant Foreman.

This is a shaft mine located on the L. & N. R. R. near Providence, Webster County, working No. 9 seam; has a black slate roof. Mine in good condition.

I have found the St. Bernard Mining Company at all times to co-operate with the Department of Mines in every way.

NORTON COAL MINING COMPANY, Nortonville, Ky.

S. S. Lanier, General Manager.

The Norton Coal Mining Company operates three mines as follows:

MINE NO. 1, Nortonville, Ky.

S. S. Lanier, General Manager; Wm. Belcher, Mine Foreman.

This is a shaft mine located on the I. C. and L. & N. R. R. in Hopkins County, working No. 9 seam, No. 11 seam, and No. 12 seam on in one landing. Coal is mined by electric machine, gathered by mules and hauled by motor. This mine has a phenomenal condition that rarely ever exists in mining three seams from one landing. In time there has been an upheaval in the earth. No. 9 seam grazes 130 feet, a difference between No. 11 and No. 9 at this place of 80 feet; thus throwing No. 9 after you cross the fault line 50 feet above No. 11; consequently you go up an incline from a 50 foot raise out of No. 11 into No. 9, there being only 4 feet of limestone rock between No 11 and No. 12. The rock is shot down an incline made up to No. 12 whereby the coal is hauled with a motor out of No. 12 down to No. 11 landing.

MINE NO. 2, Nortonville, Ky.

S. S. Lanier, General Manager; W. A. Lindle, Mine Foreman.

This is a slope mine located on the L. & N. R. R. in Hopkins County, working No. 11 and No. 12 seams. Coal is mined by electric machine and hauled by rope and mules. I was called to a fire in this mine October 31st. After examination it seemed it was under control; they had run a pipe line from the pump and were on the fire. There was a fall from 11 to 12; the roof over 12 being shale the heat and water caused the fall. It was impossible to clean and remove the fire and we had to seal the fire off in 11 and 12, making it very disagreeable to work in, taking 18 seals, having to seal both 11 and 12 to complete the seal.

MINE No. 3, Nortonville, Ky.

S. S. Lanier, General Manager.

This mine is closed down, not working.

ISLEY MINING COMPANY, Isley, Ky.

S. S. Lanier, General Manager.

This mine is located on the I. C. R. R. in Hopkins County.

It is not being operated now; they are doing some construction work, putting down a new slope.

EMPIRE COAL COMPANY, Crofton, Ky.

S. J. Foster, Superintendent; Adolphus Woodruff, Mine Foreman.

This is a shaft mine located on the L. & N. R. R. in Christian County, working No. 6 seam. Coal is mined by electric machine and shot off the solid. I find this mine in bad condition as to ventilation; recommended to install a larger fan, one sufficient to ventilate the mine. This mine has good slate roof.

HART COAL CORPORATION, No. 1, Mortons Gap, Ky.

Brent Hart, General Manager; William O'Bryan, Mine Foreman.

This is a drift mine located on the L. & N. R. R. in Hopkins County, working No. 9 seam. Coal is mined by air puncher machines, hauled by mules and motors; has a black slate roof.

HART COAL CORPORATION, No. 2, Mortons Gap, Ky.

Brent Hart, General Manager; Chas. Wilson, Mine Foreman.

This is a drift mine—both No. 1 and No. 2 dumping over the same bank, coming out from opposite sides of the hill—working No. 9 seam. Coal is mined by electric machine, hauled by mules and motor; has a good black slate roof; mine in good condition.

HART COAL CORPORATION, Victoria No. 9, Madisonville, Ky.

Brent Hart, General Manager; S. B. Jackson, Mine Foreman.

This is a shaft mine located on the L. & N. R. R. near Madisonville, Hopkins County, working No. 9 seam. Coal is mined by electric machine, hauled by motors and mules; has a black slate roof fairly good. The company has done a lot of work to improve the condition of this mine.

HART COAL CORPORATION, Victoria No. 11, Madisonville, Ky.

Brent Hart, General Manager, Albert Jones, Mine Foreman.

This is a shaft mine located on the L. & N. R. R. in Hopkins County, working No. 11 seam. Coal is mined by electric machine, hauled by electric motor and mules; has a good limestone roof. Mine in good condition. It is operated on the double entry system.

HAMBLETT MINING COMPANY, Madisonville, Ky.

E. B. Hamblett, General Manager; M. P. Brown, Mine Foreman.

This mine is located on the L. & N. R. R. in Hopkins County about three miles east of Madisonville; is a drift mine, working No. 9 seam. Coal is shot off the solid and hauled by mules. This mine has a fairly good black slate roof.

THE CURTIS COAL COMPANY, Madisonville, Ky.

F. M. Curtis, Gen. Manager; Lee Rowe, Acting Foreman.

This is a drift mine located on the L. & N. R. R. about 4 miles southeast of Madisonville, Hopkins County, working No. 11 seam. Coal is shot off the solid, hauled to the outside with mules and from there to the tippie with gasoline motors; has a good limestone roof.

JONES COAL COMPANY, Madisonville, Ky.

Robert Jones, Gen. Manager; Robert King, Mine Foreman.

This is a slope mine near Madisonville, Hopkins County, working No. 11 seam. Coal is hauled by mules and rope, shot off the solid; has a good limestone roof. Condition satisfactory.

CHICASAW COAL COMPANY, Madisonville, Ky.

B. C. Mitchell, General Manager; R. B. Blanks, Superintendent; Claude Bivens, Mine Foreman.

This is a slope mine located on the L. & N. R. R. about three miles southeast of Madisonville, Hopkins County, working the No. 11 seam. Coal hauled by mules and rope, shot off the solid; has a good limestone roof. Conditions satisfactory.

GRAPE VINE COAL COMPANY, No. 9, Madisonville, Ky.

Worth Waltrip, General Manager; John Hale, Superintendent; John Phaupp, Mine Foreman.

No. 9 mine of the Grape Vine Coal Company is a shaft mine located near Madisonville, Hopkins County, working No. 9 seam. Coal is mined by electric machine, hauled by mules; has a black slate roof, fairly good.

GRAPE VINE COAL COMPANY, No. 11, Madisonville, Ky.

Chas. Hale, Mine Foreman.

This is a shaft mine, working No. 11 seam, coal is shot off the solid, hauled by mules and storage battery motors; has a good limestone roof and condition of mine satisfactory.

SUNSET COAL COMPANY, Madisonville, Ky.

H. H. Coil, General Manager; Edd Carroll, Superintendent; Tom Rodgers, Mine Foreman.

This is a shaft mine located on the L. & N. R. R. near Madisonville, Hopkins County, working No. 11 seam. Coal is mined by electric machines, hauled by mules and electric motors, ventilated by Jeffery fan; has a good limestone roof; mines in good condition.

COIL COAL COMPANY, Madisonville, Ky.

H. H. Coil, General Manager; Frank Coil, Superintendent; Hardin R. Tweedle, Mine Foreman.

This is a shaft mine located on the L. & N. R. R., Madisonville, Hopkins County, working No. 11 seam. Coal is mined by electric machines, hauled by mules and motor; has a limestone roof. Mine in fairly good condition.

REINECKE COAL MINING COMPANY, Madisonville, Ky.

J. D. Overall, General Manager; E. Braun, Superintendent; Martin Arbogast, Mine Foreman.

This is a shaft mine located on the L. & N. R. R. near Madisonville, Hopkins County, working No. 11 seam. Coal is mined by electric machines, hauled by electric motors. Mine is ventilated by a high speed Jeffery fan; has slate and limestone roof. All conditions in the mine satisfactory.

CIRCLE CITY COAL COMPANY, Nebo, Ky.

Roy Gruschow, General Manager; Guy Parish, Superintendent; B. Henton, Mine Foreman.

This is a slope mine about three miles south of Nebo, Hopkins County, located on the L. & N. R. R., working No. 14 seam. Coal is mined by electric machines, gathered by mules and hauled to the outside by electric motors. Coal is left for roof.

PONTIAC COAL CO., No. 11 and No. 9, Madisonville, Ky.

James Bassett, Gen. Manager; Carl Blanks, Mine Foreman.

This mine is located on the L. & N. R. R. about two and one-half miles southeast of Madisonville, Hopkins County, and has two openings, one drift and one slope, working No. 11 and No. 9 seams. Coal is shot off the solid in No. 11 and hauled by mules to the outside, from there to the tibble by gasoline motors; has limestone roof. No. 9 mine coal is shot off the solid, hauled with rope and mules, and has a black slate roof.

BELLE UNION COAL COMPANY, Curlew, Ky.

J. D. Scott, Gen. Supt.; W. A. Ames, Mine Foreman.

This is a slope mine located on the I. C. R. R. in Union County, working No. 9 seam, pitch vein. Coal is mined by electric machines and hauled by rope and mules.

I visited this mine in September and found it to be in fairly good condition.

TOWN COAL COMPANY, Dekovan, Ky.

J. W. Andrews, Superintendent; John Jennings, Foreman.

This is a slope mine located on the I. C. R. R. at Dekovan, Union County, working No. 6 seam. Coal is shot off the solid and hauled by mules and rope. Mines not operating now.

NICHOLSON MINING & MFG. CO., Henderson, Ky.

J. L. Nicholson, Manager; J. H. Waple, Mine Foreman.

This mine is located at Henderson, Ky., is a small opening, only working 18 or 20 men, is not on any railroad and only have a local trade and consume the rest of the coal themselves, as they have in connection with the mine an ice plant; working No. 9 seam. Coal is hauled by mules and mined by electric machines. This is a shaft mine.

PROVIDENCE COAL COMPANY, No. 3, Providence, Ky.

Percy D. Berry, General Manager; A. L. Donan, Superintendent; J. J. Buckner, Mine Foreman.

This is a shaft mine located on the I. C. and L. N. R. R., working No. 9 seam. Coal is mined by electric machine, hauled by electric motors and mules; has a good black slate roof. Found conditions satisfactory.

PROVIDENCE COAL MINING CO., No. 2, Providence, Ky.

Claude Wynn, Supt.; McCormack, Mine Foreman.

This is a shaft mine located on the I. C. and L. & N. R. R., Webster County, working No. 9 seam. Coal is mined by electric machine and hauled by electric motors and mules. Has a good black slate roof.

HALL-LUTON COAL COMPANY, Providence, Ky.

D. C. Hall, Superintendent and Mine Foreman.

This is a shaft mine located on the L. & N. R. R., Webster County, working No. 9 seam. Coal is mined by electric machine and hauled by mules. All conditions satisfactory.

WILLIAMS COAL COMPANY, Mannington, Ky.

Smith Langston, Superintendent and Foreman.

This is a slope mine located on the L. & N. R. R., Hopkins County, working No. 6 seam. Coal is shot off the solid and hauled with mules and rope; has a gray slate roof and employs about sixty men and has an average tonnage of 400 tons per day.

HERCULES COAL COMPANY, Morganfield, Ky.

Bob Lee Davis, Superintendent and Mine Foreman.

This is a shaft mine located on the L. & N. and I. C. R. R., working No. 11 seam. Coal is shot off the solid, hauled by mules and has a good limestone roof.

JENNINGS COAL COMPANY, Spottsville, Ky.

W. B. Jennings, Gen. Manager; Peter Connolly, Mine Foreman.

This is a shaft mine located on the L. H. & St. L. R. R. in Henderson County, working No. 9 seam. Coal is shot off the solid, hauled by mules, has a slate roof. This mine works about 40 men and has an average tonnage of about 275 tons per day.

MORGANFIELD COAL & COKE CO., Morganfield, Ky.

J. B. McGinnis, Superintendent and Foreman.

This is a shaft mine located on the I. C. R. R., working No. 11 seam. Coal is shot off the solid and hauled by mules; has a good limestone roof.

KINGTON COAL COMPANY, Morganfield, Ky.

Oswald Kington, Gen. Manager; Pat Sullivan, Mine Foreman.

This is a shaft mine located on the I. C. R. R., Union

County, working No. 11 seam. Coal is mined by Sullivan machines; has a good limestone roof and is operated on the double entry system. Ventilated by Crawford & McCrimman fan, motor driven; Crawford & McCrimman hoisting engines.

UNION COUNTY COAL COMPANY, Uniontown, Ky.

———, Jarvis, General Manager; A. D. Reed, Superintendent and Mine Foreman.

This is a shaft mine located on the I. C. R. R. Coal is mined by electric machine, hauled by mules and has a limestone roof. Mine in fairly good condition.

SOUTHMAN COAL COMPANY, No. 1, Henderson, Ky.

Gus. B. Noffsinger, Superintendent and Manager; Dave Burch, Mine Foreman.

This is a shaft mine located on the I. C. R. R. in Henderson County, working No. 9 seam. Coal is mined by electric machine and hauled by mules and motor; has a black slate roof in fairly good condition.

SOUTHMAN COAL COMPANY, No. 2, Uniontown, Ky.

Tommie Foster, Mine Foreman.

This is a shaft mine located on the I. C. R. R. at Uniontown, Union County, working No. 11 seam. Coal is shot off the solid and hauled by mules; has a good limestone roof.

SOUTHMAN COAL COMPANY, No. 3, Henderson, Ky.

Fount Miller, Mine Foreman.

This is a shaft mine on the L. & N. R. R., working No. 9 seam. Coal is mined by electric machine, hauled by motor and mules; has a black slate roof, not very good.

CANOE CREEK COAL COMPANY, Henderson, Ky.

Morgan McCormack, General Manager; Woodford Smith, Mine Foreman.

This is a shaft mine located on the I. C. and L. & N. R. R., working No. 9 seam. Coal is mined by electric machine, hauled by mules; has a black slate roof, not very good. Conditions in mine satisfactory.

PITTSBURG COAL COMPANY, Basket, Ky.

Alexander Blair, General Manager; Chas. Near, Mine Foreman.

This is a shaft mine located in Henderson County, working No. 9 seam. Coal is mined by electric machine, hauled by mules and motor; has a black slate roof, fairly good.

WEST KENTUCKY COAL CO., No. 1, Main Office, Sturgis, Ky.

T. E. Jenkins, General Manager; Thomas Christian, Superintendent; C. W. Edwards, Mine Foreman.

The West Kentucky Coal Company operates mines in Webster County.

Mine No. 1 is located on the I. C. R. R., is a shaft mine, working No. 9 seam. Coal is mined by electric machine, hauled by mules, electric and rope haulage; has a black slate roof. Condition of mines satisfactory.

WEST KENTUCKY COAL CO., No. 2, Sturgis, Ky.

A. J. Edwards, Mine Foreman.

This is a shaft mine located on the I. C. R. R., working No. 9 seam. Coal is mined by electric machine, hauled by mules, electric motors and rope haulage. Has a good black slate roof.

WEST KENTUCKY COAL CO., No. 3, Wheateroft, Ky.

W. W. Kirk, Superintendent.

This is a drift mine working No. 11 seam, located on the I. C. R. R. Coal is mined by electric machine and hauled by mules and motor. Has a good limestone roof.

WEST KENTUCKY COAL CO., No. 4, Wheateroft, Ky.

J. W. Branson, Mine Foreman.

This is a slope mine located on the I. C. R. R., working No. 11 seam. Coal is mined by electric machine, hauled by mules and motor. Good limestone roof.

WEST KENTUCKY COAL COMPANY, No. 5, Clay, Ky.

James Palmer, Supt.; Smith Langston, Mine Foreman.

This is a shaft mine located on the I. C. R. R. in Webster

County, working No. 12 seam. Coal is mined by electric machine, hauled by electric motors; seam is overlaid with soapstone and coal has to be left for roof.

WEST KENTUCKY COAL CO., No. 6, Wheateroft, Ky.

Otho O'Bryan, Mine Foreman.

This is a shaft mine located on the I. C. R. R., working No. 9 seam. Coal is mined by electric machine, hauled by electric motors and mules; has good ventilation system, black slate roof, very good.

WEST KENTUCKY COAL COMPANY, No. 7, Clay, Ky.

James Palmer, Supt.; Ed Coffman, Mine Foreman.

This is a shaft mine located on the I. C. and L. & N. R. R., working No. 12 seam. Coal is mined by electric machine, hauled by electric motors. No. 12 seam is overlaid with soapstone and coal has to be left for roof.

WEST KENTUCKY COAL COMPANY, No. 8, Sturgis, Ky.

Walter Edwards, Mine Foreman.

This is a slope mine located on the I. C. R. R., working No. 9 seam. Coal is mined by electric machine, hauled by motor, mules and rope, ventilated by Jeffrey fan; has black slate roof, very good.

WEST KENTUCKY COAL COMPANY, No. 9, Sturgis, Ky.

Ned McCan, Mine Foreman.

This is a shaft mine located on the I. C. R. R., working No. 9 seam. Coal is mined by electric machine, hauled by electric motors and mules. Found the mine in fairly good condition.

WEST KENTUCKY COAL COMPANY, No. 10, Clay, Ky.

This is a new slope mine just being developed, working No. 9 seam; has been opened recently. Coal is mined by electric machine.

CLIFTY CONSOLIDATED COAL COMPANY, Clay, Ky.

R. D. Holt, Superintendent and Manager; B. R. Monroe, Mine Foreman.

This is a shaft mine located on the L. & N. R. R. about 2½ miles from Clay, Webster County, working No. 9 seam. Coal is mined by Sullivan machines and shot off solid and hauled by mules and motors; ventilated by Straight Blade direct connected fan, 7 feet in diameter, driven by steam. This mine has a black slate roof and is operated on the double entry system.

OLD HICKORY MINING COMPANY, Providence, Ky.

Bob Forsythe, Gen. Mgr.; B. M. Hatley, Mine Foreman.

This is a slope mine located on the L. & N. R. R. between Providence and Clay, Webster County, working No. 9 seam; coal shot off the solid; hauled by mules; has a slate roof, fairly good. This mine is operated on the triple entry system.

ZION COAL COMPANY, No. 4, Henderson, Ky.

Cheal Moss, Superintendent and Mine Foreman.

This is a shaft mine located on the Zion pike about six miles from Henderson, Henderson County, working No. 9 seam. Coal is shot off the solid, hauled by mules and has a gray slate roof. This is a wagon or country mine.

MADISON COAL COMPANY, No. 11, Dekovan, Ky.

S. J. Merritt, Supt.; Everett Ames, Mine Foreman.

This is a slope mine located on the I. C. R. R. in Union County, working No. 9 seam. Coal is mined by electric machine, hauled by motor and mules; has a good slate roof.

PANAMA COAL COMPANY, Robards, Ky.

C. D. Cottingham, Supt.; O. J. Doss, Mine Foreman.

This is a shaft mine located on the L. & N. R. R., working No. 9 seam. Coal is mined by Goodman-Brest and Sullivan Shortwall machine, hauled by motor and mules. This mine is equipped with Ottumway hoisting engine, double drum; has a fairly good slate roof; works 100 men with a daily output of 500 tons; operated on the double entry system.

JOHN ARCHIBALD COAL COMPANY, Bluff City, Ky.

Dan Barrett, Superintendent and Mine Foreman.

This is a shaft mine located on Green River at Bluff City, working No. 9 seam. Coal is shot off the solid, hauled by mules; has a good black slate roof. Mine employs from 12 to 15 men, the average output is 150 tons per day.

HUNTER COAL COMPANY, Providence, Ky.

R. W. Hunter, Gen. Manager; W. L. Funkhouser, Mine Foreman.

This is a slope mine located on the I. C. and L. & N. R. R., Webster County, working No. 9 seam. Coal is shot off the solid and hauled by mules. Has a black slate roof.

PLEASANT VALLEY MINING COMPANY.**HUNTER COAL COMPANY, Providence, Ky.**

Hunter Coal Company is worked out with the exception of a few pillars on recovery work.

WOODRUFF COAL COMPANY, St. Charles, Ky.

James Woodruff, Superintendent and Mine Foreman.

This mine is located on the I. C. R. R. about 1½ miles from St. Charles, working No. 9 seam. Coal shot off the solid, hauled by mules. Not operated at the present time.

MASON COAL COMPANY, St. Charles, Ky.

R. S. Mason, Manager; Fred Fox, Mine Foreman.

This mine has discontinued operation; coal rig has been let out to a stripping operation.

DUNNING-GORDON MINING COMPANY, St. Charles, Ky.

John Carroll, Supt.; Ollie Monroe, Mine Foreman.

This is a drift mine located about a mile off the I. C. R. R. and is hauled to the railroad by gasoline motors. Coal is shot off the solid and is working No. 9 seam, hauled to the outside by mules.

BUCKRUN COAL COMPANY, St. Charles, Ky.

W. J. Faul, Supt.; Wm. Graham, Acting Mine Foreman.

This is a drift mine located at St. Charles, working No. 9 seam. Coal is shot off the solid and hauled by mules. This mine works about ten or eleven men. This is a small wagon mine; has a black slate roof, fairly good.

YOUNG & MORGAN COAL COMPANY, Providence, Ky.

Edgar M. Young, Supt.; W. B. Melton, Mine Foreman.

This is a slope mine located on the L. & N. R. R., working No. 9 seam. Coal shot off the solid, hauled by mules and rope; black slate roof, good quality; operated on the double entry system.

VICTORY COAL COMPANY, Providence, Ky.

Edgar M. Young, Supt.; C. M. Butterfield, Mine Foreman.

This is a slope mine located on the L. & N. R. R., working No. 11 seam. Coal is shot off the solid, hauled by mules and rope. Has a very fine limestone roof; worked on the double entry system.

LUTON COAL COMPANY, Providence, Ky.

Percy D. Berry, General Manager; T. J. Montgomery, Superintendent; Robert Stanley, Mine Foreman.

This is a slope mine located on the L. & N. R. R., working No. 9 seam. Coal shot off the solid, hauled by mules and has a good black slate roof. This mine employs about 50 men and the average output is about 400 tons, operated on the double entry system.

RUCKMAN COAL COMPANY, Providence, Ky.

J. T. Aldridge, Supt.; J. B. Fugate, Mine Foreman.

This is a shaft mine located on the I. C. R. R., working No. 9 seam. Coal is mined by electric machine, hauled by electric motors and mules, employs about 100 men with an average output of about 500 tons per day. It is operated on the double entry system.

On March 15th I was in Providence, Ky., inspecting the

Shamrock mine and when I came out was notified by the superintendent that there was a fire in Providence Mine No. 2. After investigation found it to be a mistake, but the fire was in the Ruckman mine and after working quite a while trying to put the fire out, on Thursday decided it was impossible to extinguish it without sealing it off, so we went to work and we began to make seals and sealed it off. We sealed the break through in room 17, across the neck of the rooms 18, 19, 20 and 21, room 21 being the last room having a break through. This remained sealed until April 13th when I went to Providence and opened the sealed area and went through to make a thorough investigation to see if fire was out and all gases cleared out; found everything all right and reported it ready for operation again.

WYNN COAL COMPANY, Providence, Ky.

G. C. Trader, Supt.; W. H. Robards, Mine Foreman.

This is a slope mine located on L. & N. R. R., working No. 11 seam. Coal is mined by electric machine, hauled by mules and rope, limestone roof, operated on the double entry system.

STIRLING COAL COMPANY, Daniel Boone, Ky.

Paul B. Gannon, Supt.; Abe Hale, Mine Foreman.

This is a slope mine located on the I. C. R. R., working No. 11 seam. Coal is mined by electric breast type machine, hauled by Westinghouse motor and rope haulage, is ventilated by 14 foot centrifugal fan; the roof is hard limestone, good quality. Mine employs about 200 men and is operated on the triple entry system.

DEVERS COAL COMPANY, Providence, Ky.

Carl Kuykendall, Gen. Mgr.; R. G. Hart, Mine Foreman.

This is a slope mine located on the L. & N. R. R., working No. 9 seam. Coal is shot off the solid, hauled by rope and mules; has a good black slate roof.

CANEY CREEK COAL COMPANY, Daniel Boone, Ky.

Joe Hewett, Gen. Manager; John Hewett, Mine Foreman.

This is a drift mine operating three openings, 1, 2 and 3,

working No. 9 seam. Coal is shot off the solid, hauled by mules, has a black slate roof, fairly good, employs about 25 men with an output of 400 tons per day, operated on the double entry system.

MEMPHIS COAL COMPANY, Mannington, Ky.

B. H. Purser, Gen. Mgr.; Wm. Shannon, Acting Mine Foreman.

This is a drift mine located on the L. & N. R. R. in Christian County; it has two openings known as the Dixie Mine and the Petersburg Mine, both drift mines working No. 6 seam. Coal is mined by Sullivan machines and hauled by mules and electric motors, both mines being dumped over the same tipple, being equipped with rotary dump; the openings are opposite each other with the tipple between.

HIGHLAND MINING COMPANY, Providence, Ky.

D. J. Ruckman, General Manager; D. B. Aldridge, Superintendent; S. C. Davis, Mine Foreman.

This is a slope mine working No. 11 seam. Coal is mined by electric machine, shot off the solid and hauled by rope and motor, gathered by mules. This mine is located on the I. C. R. R.

DUVIN COAL COMPANY, Providence, Ky.

Vint Ruckman, General Manager; John Aldridge, Superintendent; C. W. Ramsey, Mine Foreman.

This is a new mine just in the development stage located on the I. C. R. R. about a mile from Providence, is equipped for a very large output, having fine machinery, large Jeffrey fan sufficient to ventilate a large mine, working No. 9 seam, and has a black slate roof, fairly good.

NEBO AMERICAN COAL COMPANY, Nebo, Ky.

Pearl Bassham, Superintendent and Mine Foreman.

This is a shaft mine located on a spur track of the L. & N. R. R. about 2½ miles from Nebo, operating two openings. No. 1 mine is a shaft mine working No. 9 seam; coal is mined

by electric machine, hauled by motor; has a black slate roof. No. 2 mine is a small opening in No. 14 seam, has a shale roof and coal is left for the top.

DIAMOND COAL COMPANY, Providence, Ky.

Diamond Coal Company operates three openings, No. 1, No. 2 and No. 3.

Mine No. 1—F. D. Palmer, Superintendent; Rufus Lofton, Mine Foreman.

Mine No. 2—Virgil Vaughn, Mine Foreman.

Mine No. 3—Ed. Wilson, Mine Foreman.

All openings are in No. 9 seam, and all slope mines. Coal is shot off the solid and mined by electric machine, hauled by rope and motor and mules; has a black slate roof, very good.

**BELL COAL & NAVIGATION CO., Trade Water River,
Christian County.**

J. W. Herbert, General Manager; Morris Hudson, Mine Foreman.

This mine is a slope mine on Trade Water River near the Ohio River in Crittenden County; the I. C. R. R. is building a spur to the mine. At present it is a river mine. They are building some very extensive plants preparing for a large operation, working what is known as the Bell seam, a very fine grade of coal, and will have when they begin operating three or four different openings.

D. B. GORE COAL COMPANY, Providence, Ky.

D. B. Gore, Gen. Manager; Robinson, Superintendent.

This is a stripping operation at Providence on the I. C. R. R. in Webster County, stripping No. 9 seam.

**WESTERN COLLIERIES COAL COMPANY and MAGIC
COLLIERIES COAL COMPANY, Isley, Ky.**

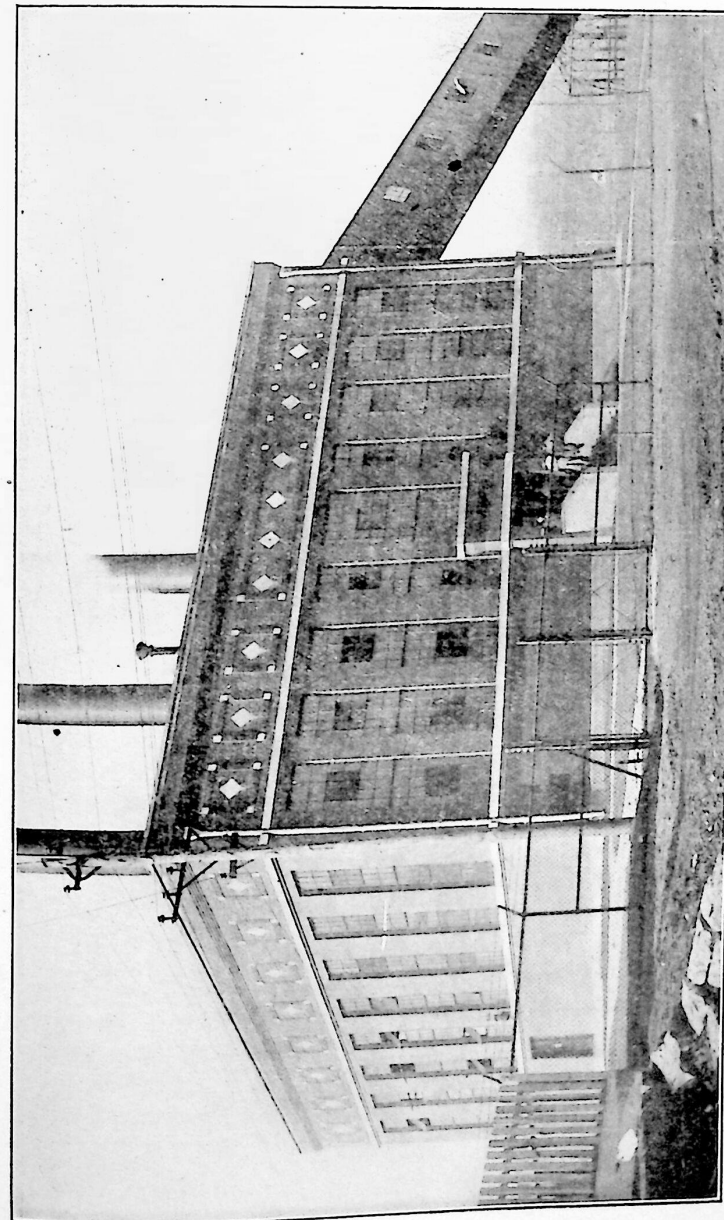
S. S. Lanier, Superintendent and General Manager.

These are stripping operations located on the I. C. R. R., working No. 9 seam.

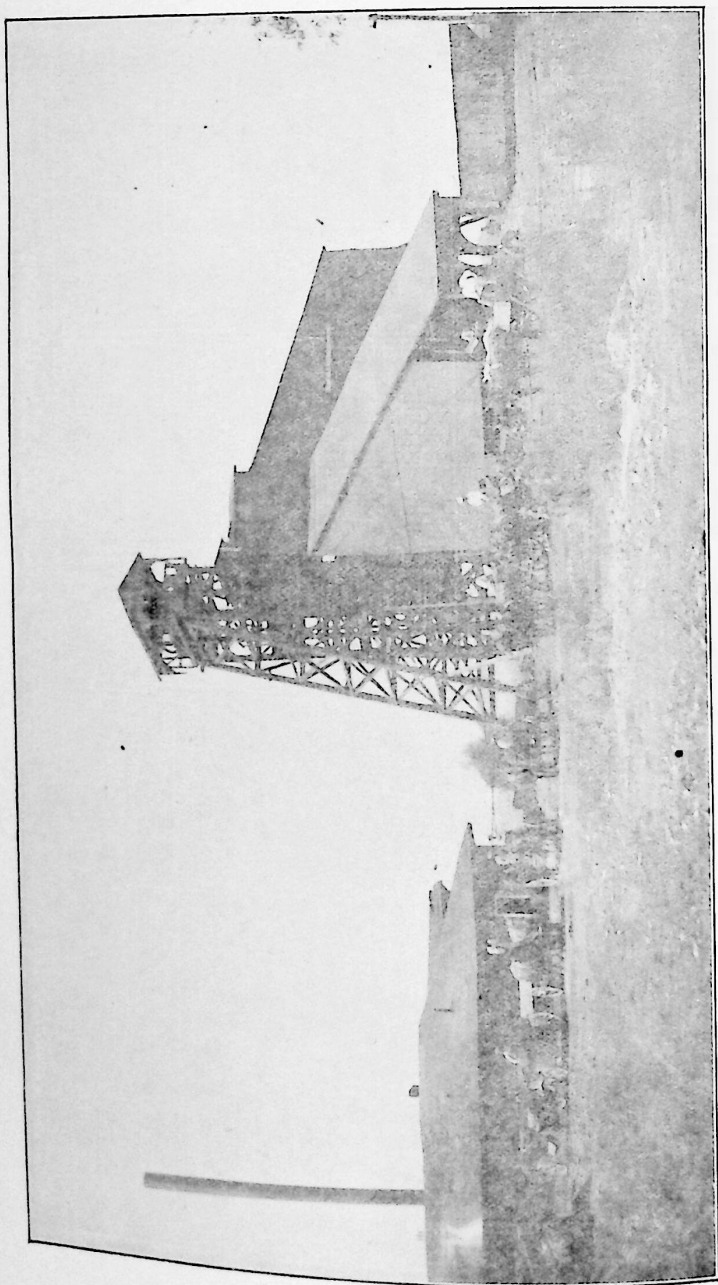
HAWLEY-McISAAC COAL COMPANY, Isley, Ky.

C. R. Hawley, Superintendent and General Manager.

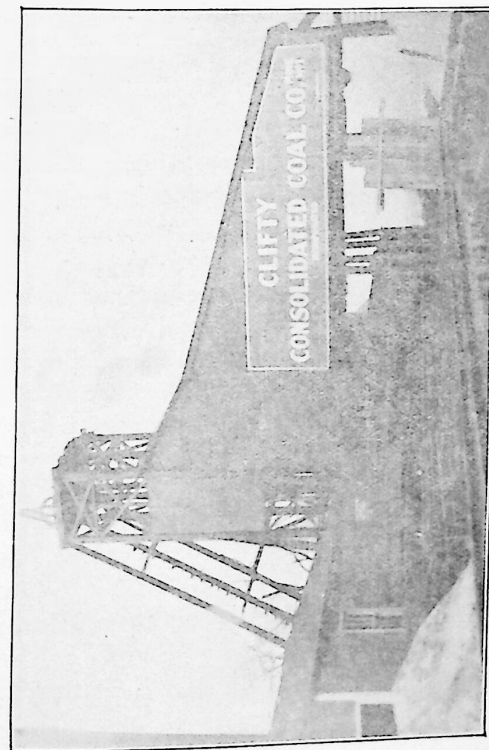
This is a stripping operation working No. 9 seam.



Concentrated Power Plant, St. Bernard Mining Co., Earlington, Hopkins County, Ky.



Hercules Coal Co., Morganfield, Union County, Ky.



No. 1 Mine Clifty Consolidated Coal Co., Clay, Webster County, Ky.

SECOND DISTRICT

WM. ROBERTS,
Assistant Inspector of Mines.

Hon. Lawson Blenkinsopp,
Chief Inspector of Mines,
Lexington, Kentucky.
Dear Sir:

I herewith submit joint annual report of second district of Kentucky, for the year ending December 31, 1922.

You will note by report that Mr. W. H. Hunt made a number of inspections during the year, I using Mr. Hunt's data to complete report. I received my appointment as Assistant Inspector October 5th, 1922, started working October 11th, 1922, and in order to be able to report on some mines in my district, had to make some inspections in January, 1923. However the district was pretty well covered with the exception of a few wagon mines furnishing local trade.

I am pleased to report that I received the co-operation of the operators, mine officials and the miners, to the extreme, for which I want to thank them. I also want to thank you for prompt action and advice rendered me from your office, when needed and asked for, in the discharge of my duties.

Yours very truly,

M. H. BLYTHE,
Assistant State Mine Inspector.

CENTRAL KENTUCKY BLOCK COAL & MINERAL CO.,
Lewisport, Ky.
(Finley)

Chas. McDavitt, President; J. A. McCain, Vice President;
N. A. Crammer, Secretary-Treasurer.

This mine is located on L. H. & St. L. R. R. two miles north of Lewisport, Ky., where the switch leaves main line. The coal company owns the branch line of $3\frac{1}{2}$ miles to tippie, where they have a total acreage of 2,000 acres of Lewisport seam, which resembles No. 9 seam of coal. There are four drifts opened and coming to the one tippie. Coal 4 feet thick,

blue slate roof, fire clay bottom. The coal is shot from the solid, mule haulage, furnace ventilation.

(Inspected January 17th, 1923.)

Mine not working, been on strike since September, 1922.

CLEMENT COAL COMPANY, Hawesville, Ky.

This is a wagon mine located four miles from Hawesville, southeast of town. Did not go to this mine. Only two men working at this mine.

G. W. NEWMAN COAL COMPANY

This is a wagon mine $4\frac{1}{2}$ miles southeast of Hawesville, Ky.; reported down; being pressed for time, I passed it up.

GEORGE DIXON COAL COMPANY
(Abandoned.)

M. E. DEVINE COAL COMPANY, Hawesville, Ky.

M. E. Devine, Superintendent; T. D. Rodes, Foreman.

This is a local mine located four miles from Hawesville, south, employing five men at present. Coal 4 feet thick, semi-cannel, drift mine. Coal shot from solid.

(Inspected January 16, 1923.)

TRUMBO COAL COMPANY, Hawesville, Ky.
(Abandoned.)

BON-HARBOR COAL CO., Jas. Chegani, Operator,
Owensboro, Ky.
(Bon-Harbor)

James Chegani, Supt.; George Smith, Mine Foreman.

This is a slope mine located $3\frac{1}{2}$ miles southeast of Owensboro. The output is hauled in on wagons to Owensboro; mining No. 9 seam, 4 feet 4 inches thick; solid shooting; 11 miners, 3 drivers, 1 inside, 3 outside, total 21. Ventilation, drainage and general safety satisfactory

(Inspected

1923.)

GEORGE H. RUDY COAL COMPANY, Owensboro, Ky.

Geo. H. Rudy, Supt.; Robt. M. Maglinger, Mine Foreman.

This is a shaft mine located three miles south of Owensboro. Coal hauled in on wagons to city. Shaft 70 feet deep to top of coal. Coal 4 feet thick, solid shooting. Miners 22, drivers 4, inside 1, outside 2, total 29. Ventilation, drainage, timbering and general safety satisfactory.

(Inspected November 13, 1922.)

J. LEE RUDY COAL COMPANY, Owensboro, Ky.

A. Clemmens, Supt.; G. W. Gunn, Mine Foreman.

This is a shaft mine located out on pike road four miles from Owensboro. Coal being hauled in to city on wagons, shaft 75 feet deep to bottom of coal. Coal 4 feet 4 inches thick, No. 9 seam. Coal is shot from solid. Miners 18, drivers 3, inside day hands 2, outside day hands 2, total 25. Ventilation, drainage, timbering, machinery and general safety satisfactory.

(Inspected December 4, 1922.)

LILIE MEADE COAL COMPANY, Owensboro, Ky.

(Lilie Meade)

W. M. O'Bryon, Supt.; P. J. Smith, Foreman.

This is a shaft mine located four miles southeast of Owensboro on main pike road. Coal being hauled to city on wagons. Shaft 70 feet deep, coal 4 feet thick, No. 9 seam. Coal shot from solid. Miners 29, drivers 3, inside day hands 1, outside 2, total 35 men. Ventilation, drainage satisfactory. Dust on south entry; have recommend to remove at once, other conditions satisfactory.

(Inspected November 15, 1922.)

M. & O. COAL COMPANY, Owensboro, Ky.

(M. & O.)

A. D. Westerfield, Supt.; C. H. Maglinger, Foreman.

This is a shaft mine located four miles southeast of Owensboro on pike. Coal is hauled by wagons to city. Shaft 80 feet deep to coal. Coal 40 feet 6 inches thick, No. 9 seam. Coal shot from solid. Miners 19, drivers 3, day hands inside 1, day

hands outside 2, total 25. This mine is in bad condition, main haulage very dusty, timbering on main haulage and shaft bottom in bad condition; recommended to remove dust at once, retimber shaft bottom and around shaft bottom, as well as replace timber on main haulage to make safe.

(Inspected November 15, 1922.)

RATICAN COAL COMPANY, Owensboro, Ky.

(Ratican)

Emmet Ratican, Supt.; Monroe Lee, Foreman.

This is a shaft mine $3\frac{3}{4}$ miles south of Owensboro on pike. Coal is hauled by wagon to city. Shaft is 70 feet deep to coal. Coal is 4 feet thick, No. 9 seam. Coal shot from solid. Miners 23, drivers 3, inside day hands 1, outside day hands 3, total 30.

There is no second opening to this time, simply a partition built in on hoisting shaft for ventilation purposes and escapeway. Have recommended sinking another shaft to comply with the law; also found some dust on main west entry which I recommended removed, then sprinkle the section mentioned to make safe.

(Inspected December 4, 1922.)

R. L. O. BRYON COAL COMPANY, Owensboro, Ky.

R. L. O. Bryon, Superintendent.

This is a shaft mine $4\frac{1}{2}$ miles southeast of Owensboro on pike. Coal is hauled by wagon to Owensboro. Shaft is 77 feet deep to coal, No. 9 seam. Coal 4 feet thick, shot from solid. Miners 7, drivers 2, outside hands 2, total 11. Second opening does not comply with the law, drainage bad, no bonnets on cage; recommended repair ladder in shaft, making escapeway safe, make large sump at shaft bottom where pump is now stationed draining water of main road, also put hoods or bonnets on cages in compliance with the law.

(Inspected November 14, 1922.)

MRS. JENNIE WILSON COAL COMPANY, Owensboro, Ky.

(Superior)

J. W. Newcome, Superintendent.

This is a slope mine located on main line of L. H. & St.

L. R. R. three miles west of Owensboro. I visited this mine on January 18, 1923, not having had an inspection in 1922. They are mining No. 9 seam, 4 feet 8 inches thick; the roof conditions are fine, not a break in the entire mine. This mine is equipped with a 4-foot fan running at 110 R. P. M. and not producing any ventilation whatever; could not get reading anywhere in mine, nor at inlet. Break throughs are not being driven according to law, working places not being posted as they should be even with the unusually good roof; coal being shot from solid, mule haulage. Miners 8, drivers 2, outside hands 2, total 12.

(Inspected January 18, 1923.)

MRS. JENNIE WILSON COAL COMPANY, Owensboro, Ky.
(Universal)

J. W. Newcome, Supt.; Hiram Henry, Foreman.

This is a slope mine located on branch line of L. H. & St. L. R. R., $3\frac{1}{2}$ miles west of Owensboro. I visited this mine on January 18, 1923, not having had an inspection in 1922. They are mining No. 9 seam, 4 feet 8 inches thick. The law is being disregarded at this mine, for different reasons, viz.: Fire on the ground or floor at shaft bottom, stairway or ladder burned away at foot of shaft, main haulage dusty. I recommended to build furnace at shaft bottom of brick, put ladder or stairway in new shaft already down for escapeway, at once remove dust and sprinke, and keep main haulage moist at all times. The coal is being shot from the solid, mule haulage. Miners 13, drivers 3, day hands inside 1, day hands outside 1, total 17 men.

(Inspected January 18, 1923.)

W. T. PATRICK COAL COMPANY, Owensboro, Ky.
W. T. Patrick, Superintendent.

This is a shaft mine located three miles southeast of Owensboro along pike, shaft is 70 feet to bottom of coal. Coal is 4 feet 2 inches thick, solid shooting, mule haulage. Ventilation, drainage, timbering, machinery satisfactory.

(Inspected December 4, 1922.)

BEAVER DAM COAL COMPANY, Beaver Dam, Ky.
Main Office, Louisville, Ky.

Officers: W. S. Speed, President; F. M. Sackett, Vice President; A. P. Bernard, General Manager; Richard Baker, Superintendent; T. J. Barrass, Foreman.

(Taylor No. 1.)

I visited this mine on October 11, 1922. This mine is located on a branch line of I. C. R. R., 18 miles from Central City. It is a drift mine working No. 9 seam, 4 feet 10 inches of coal, good shale roof, hard clay bottom. Mine is electrically equipped. Coal is hauled to the lieways by mules, thence to tippie by motors. The general condition of this mine is excellent as to safety of health and sanitation. Machine miners 48, drivers 9, machine operators 3, machine helpers 3, day hands inside 6, day hands outside 8, total 77.

(Taylor No. 2.)

This is another drift mine coming to same tippie. I visited this mine October 12, 1922; working No. 9 seam, 4 feet 10 inches thick. Top and bottom conditions are the same as in No. 1 mine, very good. Ventilation, drainage, timbering and general safety are very satisfactory. Machine miners 92, drivers 17, machine operators 7, machine helpers 7, day hands inside 7, day hands outside 8, total 138.

BROADWAY COAL MINING COMPANY, Simmons, Ky.
Main Office, 1216 Exchange Bldg., Memphis, Tenn.
(Broadway)

W. W. Simmons, President; E. B. White, Secretary-Treasurer; Geo. W. Burton, General Manager; Warner Rich, Mine Superintendent.

This mine is located on I. C. R. R., 13 miles from Central City, working No. 9 seam, 4 feet 6 inches, no parting, the usual black slate overlying this seam. This is a shaft mine 50 feet to top of coal, electrically equipped, motor haulage, mule gathering to lieways. Output 1,200 tons daily.

I visited this mine January 11, 1923, and found it in a very satisfactory condition. At the intake shaft which is located close to the face of workings I find that there are 33,200

cu. ft. of air coming down this shaft, split at this point and properly distributed to the working faces. Drainage, timbering, machinery and general safety satisfactory. Pick miners 21, machine miners 100, drivers 21, day hands inside 44, machine operators 5, machine helpers 5, day hands outside 10, total 206.

BISHOP COAL COMPANY, Centertown, Ky.

This is a drift mine located on the M. H. & E. R. R., 15 miles northeast of Central City. This mine has not been examined, not having time to do so.

C. W. WELLS COAL COMPANY, Deanfield, Ky.

This is a shaft mine located on Owensboro branch of I. C. R. R. Not examined, lack of time.

HARVEY JELICO COAL COMPANY, Horton, Ky.

This is a drift mine located on I. C. R. R., 22 miles from Central City. This mine was inspected by W. H. Hunt on June 30, 1922, and report shows favorable.

HOLT BROTHERS COAL COMPANY, McHenry, Ky.
(Render No. 2.)

Ed. Holt, Supt.; Herman Render, Mine Foreman.

This is a slope mine located on I. C. R. R., 15 miles from Central City, working No. 9 seam. Coal 4 feet 10 inches, free from parting. Has a hard blue slate roof, also hard clay bottom. Mr. W. H. Hunt examined this mine on January 11, 1922; reported favorably on ventilation, drainage and timbering.

HUFF COAL COMPANY, McHenry, Ky.

This is a slope mine located on I. C. R. R., 16 miles from Central City. Was not examined owing to the lack of time.

KENTUCKY COKE COMPANY, Echols, Ky.
(Echols)

A. W. Lee, General Manager, Louisville, Ky.; W. E. Hicks, Superintendent, Echols, Ky.; Luther Griffith, Mine Foreman.

This mine has undergone a change since report of 1921, as the old shaft has been abandoned, a new slope opening having been opened across the valley from where the shaft opening was. This mine is electrically equipped, motor haulage from lieaways as well as faces, working No. 9 seam, coal 4 feet 6 inches, clean, hard slate roof, hard clay bottom. There were 83 men on air current and I recommended putting in overcast on south entry, thereby making another split, which has been done. This mine now complies with the law in every respect. Machine miners 60, drivers water 1, day hands inside 18, machine operators 2, helpers 2, outside hands 12, night shift 9, total 104.

(Inspection made November 1, 1922.)

RENDER COAL COMPANY, McHenry, Ky.

This is a drift mine working No. 9 seam, 4 feet 6 inches thick, 1* miles from Central City on I. C. R. R. Was inspected by Mr. W. H. Hunt, May 24, 1922, and report shows that ventilation was insufficient for number of men employed, also refuge holes needed cleaning out and not sufficient of them.

TICHENOR COAL CO., McHenry, Ky.
(Number 1 and number 2.)

These mines are located on M. H. & E. R. R., (15) fifteen miles from Central City, northeast. On June 13th, 1922, this mine was visited and examined by Mr. W. H. Hunt; given twenty days to get second opening in lawful condition. Report says: Ventilation, drainage and timbering satisfactory. Drift mine No. 9 seam, 4 ft. 4 inches; roof good, bottom hard clay.

WEST HARTFORD COAL CO., Hartford, Ky.

This mine is located on M. H. & E. R. R., 14 miles north-east from Central City. On June 13th, 1922, Mr. W. H. Hunt examined this mine; reports no second opening. Powder magazine too close to plant. This mine was closed down until law is complied with; reopened by phone, after satisfactory improvements were made.

E. M. & T. COAL CO., Island, Ky.

This mine is located on branch line of L. & N. R. R., one mile from Island, Ky.

Shaft mine, working No. 9 coal, shot from solid; mule haulage; has a good strong slate roof, hard clay bottom. Mr. W. H. Hunt examined this mine January 10th, 1922. Report favorable.

F. B. S., Island, Ky.

I. Fruhlinger, President and General Manager, Portage, Pa.; D. S. Engle, V-Pres., Yonkers, N. Y.; Michael Silagi, Treas., Gary, W. Va.; George Buzsik, Sec'y, Island, Ky.

This is a slope mine, located $\frac{1}{2}$ mile north of Island, on L. & N. R. R., working No. 9 seam, 4 ft. 4 in. thick; coal shot from solid.

Equipment: 200 K/W. Allis Chalmers, direct connected with Ridgeway engine; two 150 H. P. Hutson Stanwood Gamble Co. boilers; one 8-ton Goodman motor, one 6-ton Jeffery motor, one 14-ft. Crawford & McCrimmon fan, 20 H. P. Fairbanks motor belt connected; 1 triplex Demming pump, 1 centrifugal pump, 3 in. suction, $2\frac{1}{2}$ discharge each. Rope haulage up slope, tail rope system, 300 ft. from slope bottom to tippie, motor haulage from lieways to bottom of slope, mule haulage on entries. Roof is a hard black slate in fine condition, hard clay bottom; timbering is being neglected by miners; have recommended a more thorough system in timbering at working faces; the travel-way to second opening is almost impassable; have to crawl on hands and knees for nearly 1000 feet, also a great deal of water on travel-way; have recommended putting down new shaft to a point on 10 south entry, make shaft large enough for second opening with stairway for escapeway, as well as being used for downcast shaft, and discharge lines from pumps. Pick miners 60, drivers 6, day hands inside 10, day hands outside 6, total 82.

Inspected this mine January 27th, 1923, by request, G. E. Hughes, foreman.

TURNER COAL CO., Island, Ky.

Have not visited this mine; have not been able get to it on account of lack of time.

WHITE COAL CO., Island, Ky.

This mine is located on L. & N. R. R., at Island, Ky., working No. 9 coal, 4 ft. 4 in. Shaft mine, coal shot from solid, mule haulage. Mr. W. H. Hunt examined this mine January 14th, 1922.

BLACK DIAMOND COAL MINING CO., Drakesboro, Ky.

(Black Diamond, Nos. 1, 2 and 3 mines)

W. W. Bridges, Supt.; George Rosmond, Foreman; F. E. Nunnley, Fire Boss.

The Black Diamond No. 1 mine is located alongside of L. & N. R. R., at Drakesboro, 8 miles south of Central City. This is a shaft mine, 80 ft. to coal, working No. 9 seam, 5 feet 2 in. thick. Electrically equipped, and at this time is changing from local power to high tension, purchasing power from Ky. Utilities Co. I examined this mine Nov. 17th, 1922, and found it in very bad condition. At intake got 15,840 cu. ft. of air, but was unable to find outlet, as the current spread so that it was impossible to trace it. Impossible to get a reading in any of the entries.

Recommendations: Remove dust, sprinkle and keep down. Open up return airway by pumping out the water therein. Install Booster fan. If no relief, then sink new shaft on 6th north entry. Machine miners 38, drivers 7, day hands inside 10, machine operators 1, helpers 1, day hands outside 11; total 68.

(Black Diamond No. 2.)

W. W. Bridges, Gen'l Mgr.; Harry Mills, Supt.; Jerome Brewer, Examiner.

This is a shaft mine located on branch line of L. & N. R. R., about one mile from Drakesboro; 90 feet to coal. Coal 5 ft. 4 in. thick. A fine black slate roof, hard clay bottom. This mine is electrically equipped, power being furnished by Ky. Utilities Co. Motor haulage exclusively. With the exception of wires needing guarding in places, this mine is in satisfactory condition. Machine miners 85, day hands inside 18, machine operators 5, helpers 5, day hands outside 15; total 128.

(Black Diamond No. 3)

W. W. Bridges, Gen'l Mgr.; Harry Mills, Supt.; Wm. Hogg, Foreman.

This is a shaft mine on same branch line as No. 2 mine; 30 ft. to coal. This operation is in No. 11 seam. Coal 8 ft thick. This is a new mine, and this is the 1st annual report on this mine. This mine is electrically equipped, and ventilated by No. 2 fan, which shaft is connected with the upcast shaft of No. 2 mine. Was just developing entries. Ventilation, drainage, and general safety satisfactory.

(Date of Inspection Nov. 9th, 1922.)

BEVIER COAL CO., Cleaton, Ky.

This is a shaft mine 70 ft. deep to coal, working No. 9 seam, 5 ft 8 in. thick. Located on L. & N. R. R., 3 miles south of Central City.

Mr. W. H. Hunt examined this mine March 31st, 1922, and reported ventilation in bad condition. Recommended making another split to take care of the situation. Install door across main entry so as to turn air up slope.

BEECH CREEK COAL CO., Beech Creek, Ky.

(No. 1 Beech Creek)

S. T. Kirkpatrick, Pres.; L. Z. Kirkpatrick, V. P.; A. D. Kirkpatrick, Gen'l Mgr.; Wm. Chumley, Foreman.

This is a shaft mine, 30 ft. to coal. Working No. 9 seam, 5 ft. 6 in. height. Hard black slate roof, clay bottom. Located on branch line of L. & N. R. R. Two miles from Junction. On March 14, 1922, Mr. W. H. Hunt examined this mine and recommended a split to comply with mine law.

On Oct. 24th, 1922, this mine was examined by me and found that Mr. Hunt's recommendations had been complied with. Also found mine to be in very satisfactory condition. Machine miners 150, drivers 18, machine operators 14, machine helpers 14, day hands inside 28, day hands outside 18; total 242.

BEECH CREEK COAL CO., Beech Creek, Ky.

(No. 2 Beech Creek)

Officers same as No. 1 Beech Creek. This is a drift mine opened just across valley from No. 1 mine, coal coming to same tipple as No. 1 mine. This mine was inspected on March 15th, 1922, by Mr. W. H. Hunt. Reported ventilation, timbering, drainage, machinery satisfactory.

(No. 3 Beech Creek)

This is a new operation. Not shipping coal as yet, on last examination. Did not have time to visit this mine. October 24th, 1922.

C. M. MILLER COAL CO., Central City, Ky.

(Ryan Mine)

C. M. Miller, Foreman.

This is a local shaft mine, located out on Pike road going to Greenville, about one mile from Central City. Shaft 40 ft. to No. 2; coal 4 feet thick. On June 22nd, 1922, Mr. W. H. Hunt inspected this mine; report shows favorable. On October 19th, 1922, I inspected this mine, and find 11 pick miners, 2 drivers, 2 day hands; total, 15. Coal shot from solid.

Ventilation, drainage, timbering, machinery satisfactory.

CRESENT COAL COMPANY, Bevier, Ky.

(Cresent)

Officers: W. H. Lindsey, President; F. S. Washburn, Vice President; F. P. Wright, General Manager; R. L. Adeock, Mine Foreman.

This is a shaft mine 46 feet to coal. Second opening is a slope used by men and mules as travel way. Working No. 9 coal, 5 feet 3 inches in thickness. This mine is electrically equipped, Shaker screens, loading three grades of coal, as well as coaling station for L. & N. R. R. This mine is located on L. & N. four miles south of Central City. I examined this mine on October 26th, 1922, and found it in very satisfactory condition, with the exception of some dust on main haulage, which was being removed at the time of my visit; recommended to continue taking away dust, then sprinkle, and keep haulage

moistened and damp. Machine miners 130, drivers 18, day hands inside 39, machine operators 10, machine helpers 10, day hands outside 14, night shift 6; total, 227.

GREENVILLE COAL COMPANY, Greenville, Ky.

This mine has not been examined for the lack of time.

GREEN RIVER COLLIERS COMPANY, Mogg, Ky.

This is a shaft mine located four miles north of Central City on L. & N. mining No. 14 coal, which is 8 feet in thickness; has a soft soapstone roof, which is very treacherous. They are leaving one-half foot of coal up to strengthen top and make safe for men, with very good results. This mine is electrically equipped, all motor haulage, machine mining, Shaker screens, loading three grades of coal. Machine miners 85, day hands inside 36, machine operators 5, helpers 5, outside hands 12; total, 143. I inspected this mine November 16th, 1922. Ventilation, drainage, timbering, machinery, satisfactory and in compliance with the law.

GREENVILLE COAL COMPANY, Powderly, Ky.

W. A. Wickliff, President; C. E. Martin, Vice President; C. M. Martin, General Manager.

This mine is located on main line of I. C. R. R. five miles from Central City. Shaft 30 foot to coal, No. 9 seam, 5 feet in thickness. Slope on second opening used for travel way for men and mules. This mine was examined February 3rd, 1922, by Mr. W. H. Hunt, who advised splitting the air to comply with the law, also to cease taking oil in mine in barrel lots as well as guard trolley wires. Timbering and drainage satisfactory.

GIBRALTAR COAL COMPANY, Mercer, Ky.

(Brownsville No. 1)

R. L. Brown, President; J. Marks, Vice President; J. A. Smith, General Manager; John Grigsby, Superintendent; M. S. Yokley, Mine Foreman.

This is a shaft mine, 48 feet deep to top of No. 9 coal, 5 feet in thickness. Hard blue slate roof, clay bottom. Mine is located on I. C. R. R., three miles west of Central City and is electrically

equipped; motor and mule haulage. On March 17th, 1922, this mine was examined by Mr. W. H. Hunt, who recommended to at once put down intake shaft, also to guard trolley wires in compliance with the law.

On December 26th, 1922, I examined this mine and found that the management had complied with recommendations made by Mr. Hunt, had guarded trolley wires. Shaft down and large American blower fan ordered, which when installed will put this mine in first-class condition, as they will be in shape to split the current into four different splits. On my examination I found considerable dust on main haulage between passby and lieaway, which I recommended removed at once and have entry sprinkled. I later learned that this dust was moved and entry sprinkled as recommended. Machine miners 139, drivers 20, machine operators 12, helpers 12, day hands inside 30, day hands outside 17; total, 230.

GIBRALTAR COAL COMPANY, Mercer, Ky.

(Dovey Mine No. 2)

Officials same as above, except S. A. Green, Mine Manager.

This mine is located two miles west of Central City, on Main line of I. C. Shaft mine working No. 9 coal, 4 feet 10 inches thick, with a fine hard blue slate roof, clay bottom. This mine is electrically equipped. Coal is hauled with motor and mules. I examined this mine December 20th, 1922, and found it in good condition with the exception that wires needed guarding on passby at 10th south entry, on main haulage. Machine miners 92, drivers 16, pick miners 8, machine operators 5, helpers 5, day hands inside 20, day hands outside 12; total 158.

GIBRALTAR COAL COMPANY, Central City, Ky.

(Brownie Mine No. 3)

Officials as above, except J. H. Tucker, Superintendent; H. W. Hopkins, Foreman.

This mine is located on I. C. R. R. two miles east of Central City. Shaft mine working No. 9 coal, 4 feet 6 inches thick. Roof conditions are only fair, being a rather brittle roof which needs close watching. However, it is being well timbered and

taken care of. This mine is electrically equipped; cutting coal by machines; mule haulage, no motors. I discovered a fair-sized generator of gas in first south of west and recommended putting on an examiner at once, which was done. Ventilation, drainage and timbering satisfactory. Machine miners 70, drivers 15, machine operators 7, helpers 7, day hands inside 10, day hands outside 7; total 116.

(Date of inspection, November 10, 1922.)

GIBRALTAR COAL COMPANY, Cleaton, Ky.

(Holt Mine No. 4)

Officers as above, except A. T. Baker, Superintendent; Will Abercombie, Foreman.

This is a shaft mine located on branch line of L. & N., two miles south of Central City. Shaft 130 feet to coal, No. 9 seam, 5 feet 4 inches in thickness. On January 31st, 1922, Mr. W. H. Hunt inspected this mine and recommended splits to comply with the law. Drainage, timbering and machinery satisfactory.

HAYDEN COAL COMPANY, Central, City.

Lucian Hayden, Operator; Harry Wallace, Superintendent.

This is a slope mine located three and one-half miles south of Central City on branch line of I. C. R. R. junction at Mercer, Ky. Mr. W. H. Hunt inspected this mine on the 20th day of June, 1922, and reports mine satisfactory.

KIRK COAL COMPANY, Beech Creek, Ky.

(Number 1)

L. Z. Kirkpatrick, President; H. L. Kirkpatrick, Vice President; C. Kirkpatrick, General Manager; John Russell, Superintendent of Mines.

This mine is located on branch line of L. & N. O. N. Division, 12 miles south of Central City. Drift mine working No. 9 seam of coal. Height of coal 5 feet 6 inches, free from parting. Hard black slate roof, clay bottom.

This mine is electrically equipped, motor and mule haulage, machine mining. Mr. W. H. Hunt inspected this mine March 16, 1922; reported satisfactory. On October 25th, 1922, I also inspected this mine and found it to be in very good condition;

ventilation, timbering, drainage, machinery satisfactory. Machine miners 30, drivers 5, machine operators 2, helpers 2, day hands inside 5, day hands outside 5; total 49.

KIRK COAL COMPANY, Beech Creek, Ky.

(Number 2)

Officers as above.

The No. 2 mine is also a drift mine working No. 9 seam, 5 feet 6 inches thick, no parting. Hard black slate roof, clay bottom. This mine is electrically equipped, motor and mule haulage, machine mining. March 17th, 1922, Mr. W. H. Hunt inspected this mine and reported it satisfactory.

On October 25th, 1922, I also inspected this mine and found it up to the standard. Machine miners 46, drivers 7; machine operators 4, helpers 4, day hands inside 7, day hands outside 5.

KENTUCKY MIDLAND COAL COMPANY, Midland, Ky.

E. J. C. Bealer, President; C. O. Hengen, Vice President; George B. Dutton, Secretary; G. M. Averill, Treasurer; M. M. Wheeler, General Manager; Samuel Hughes, Superintendent.

This mine is located on Midland R. R. seven miles west of Central City. The branch R. R. on which this mine is located was taken over by I. C. R. R. January 1st, 1923, so it will be known as a part of the I. C. system hereafter. This is a shaft mine, 185 feet deep, working No. 9 seam, 4 feet 9 inches thick. On January 10th, 1922, Mr. W. H. Hunt examined this mine and reported ventilation, timber, drainage and machinery satisfactory. I did not get to examine this mine owing to lack of time.

LIBERTY COAL MINING COMPANY, Hillside, Ky.

F. M. McDonald, President, Memphis, Tennessee; J. A. McDonald, Secretary and General Manager; E. O. Hall, Superintendent; O. L. Bullock, Foreman.

The old shaft mine heretofore reported has been abandoned by these people, in fact abandoned for all time.

(Lelia)

This company has opened a new slope mine on same branch line that their shaft mine was located on, branch line of I. C. R.

R., with Hillside as the junction. Five and a half miles south of Central City, working No. 9 seam, 4 feet 6 inches coal, free from parting. A fine hard slate roof, hard clay bottom. Ventilation, timbering, drainage satisfactory.

(Recommendations)

Have men cease tapping kegs of powder with picks; also guard around switchboard in substation, as it is possible for some one to get into the 2,300 volts. Machine miners 8, day hands inside 9, driver 1, machine operator 1, helper 1, outside hands 4; total 24.

(Date of Inspection, December 21, 1922.)

LEWIS BENEWITZ COAL COMPANY, Hillside, Ky.

Lewis Benewitz, Owner and Operator; Floyd Putman, Foreman.

This is a drift mine working No. 2 seam, 5 ft. 9 in. thick; has parting near center 3 in. grey slate. Hard limestone roof, hard clay bottom. Coal is shot from the solid, hauled by mules. Furnace ventilation. Main west entry needs stopping repaired for three breakthroughs; also advised to insist on men tapping kegs of powder with picks be stopped. Pick miners 22, drivers 2, day hands inside 2, outside day hands 4; total 30.

(Date of inspection, December 22, 1922.)

MADISON COAL CORPORATION, Central City, Ky.

(Madison No. 10)

A. J. Moorshead, President and General Manager, Chicago, Ill.; F. H. Wolfarth, Secretary and Treasurer, Chicago, Ill.; G. E. Lyman, General Superintendent, Glen Carbon, Ill.; W. H. Reed, Superintendent, Central City; John Little, Mine Manager, Central City, Ky.; P. H. McDowell, Chief Electrician, Central City, Ky.

This mine is within the corporation limits of Central City. Working No. 9 seam, 4 ft. 8 in. coal. Roof blue shale. Conditions good generally, but in places they are not so satisfactory. Good care is being taken of it at all times, as the management has adopted a good system of timbering, both in rooms and entries. The rooms are being timbered in zig-zig fashion; tim-

ber not over four feet apart. Where roof is at all bad, even the least indication of being bad on entries, 3 x 5 crossbars are put up for safety. When these 3 x 5 begin to take weight they are replaced with 6 x 6 oak. They have the usual clay bottom under No. 9 seam. These people have their own first aid team, which meets each Wednesday night at the first aid station at the plant. They have an up-to-date first aid station with all the necessary equipment, including five sets of breathing apparatus. On January 18th, 1922, this mine was visited by Mr. W. H. Hunt; recommended more splits; not sufficient to comply with the law; recommended removing dust from first south lieaway and sprinkle.

On October 17th, 18th and 19th, 1922, I inspected this mine and found that the recommendations made by Mr. Hunt had been complied with. This mine is electrically equipped with modern, up-to-date machinery. Every precaution is taken for the safety of the employees. The company maintains its own safety inspectors, who are up-to-date and competent. These people have a daily capacity of 1,500 tons. Machinemen 188, drivers 21, day hands inside 88, machine operators 12, helpers 12, day hands outside 36, night shift 32; total 389.

MERCER COAL COMPANY AND MIDDLE WEST COAL COMPANY, Depoy, Ky.

Mack Goodman, Superintendent; W. C. Bethal, Mine Foreman.

These two companies are one and the same, operating two drift mines at Depoy, Ky., eight miles south of Central City on I. C. R. R., No. 1 drift operating No. 9 seam, 5 feet thick, free from parting. Roof hard slate, clay bottom. Coal is shot from the solid; mule haulage. Pick miners 8, drivers 2, day hands outside 1; total 11.

No. 2 drift is operating No. 9 seam coal 5 feet thick. Roof conditions good, bottom hard clay. I found the travel way in bad condition, and recommended to clean up and timber and make safe. The coal is shot from solid. Endless rope haulage from lieaway to tippie; mule haulage to lieaway. Pick miners 31, drivers 8, day hands inside 4, day hands outside 7; total 50.

(Inspected January 8th, 1923.)

NELSON CREEK COAL COMPANY, Nelson, Ky.

This mine is located on I. C. R. R., five miles east of Central City. Shaft mine 180 feet deep mining No. 9 seam coal 4 ft. 6 in. thick. Very bad rotten shale roof, hard clay bottom. Machine mining, mule haulage. On March 27th, 1922, Mr. W. H. Hunt inspected this mine and reported it as satisfactory.

OAKLAND COAL COMPANY, Hillside, Ky.

Wm. Martin, President; C. S. Curd, Secretary-Treasurer; W. T. Mitchell, Superintendent; Jethro Garrett, Foreman.

This is a drift mine located five miles west of Central City on I. C. R. R., working No. 9 seam coal 4 ft. 10 in. thick. Has good hard shale roof, usual hard clay bottom. Mine is electrically equipped; motor and mule haulage. On October 28th, 1922, I inspected this mine, being called on account of a short firer being killed, which report I submit herein. During my inspection I discovered four barrels oil on lieway, lying in open crosscut. I ordered these barrels of oil sent to outside at once; also asked superintendent not to allow such dangerous practices to exist. Machine miners 43, pick miners 11, drivers 8, day hands inside 12, machine men 3, helpers 3, outside hands 9; total 89.

Accident to Earl Jarvis, shot fireman, in No. 9 room on third north entry, where the center shot had already been fired, leaving both corner holes to be fired and which Mr. Jarvis proceeded to fire, having fired holes in No. 8 room, he being alone at the time the facts of the case are not known. However, he was picked up about fifteen feet from the face of coal. Head and body badly crushed and bruised, being hit by lumps of flying coal from shot. The following jurors were impanelled and sworn according to law: F. J. Steel, John Steel, John Brown, Arthur Jackson, Glenn Turner, and Wm. Durrell, who, after hearing the testimony hereto filed, returned the following verdict: "We, the jury, find that Earl Jarvis came to his death at Oakland Mines October 24th, 1922, he having lit two shots in No. 9 room and was killed by one of them." Signed by jury. Witnessed by G. B. Young, coroner. Attest, Bruce Young, clerk.

PHOENIX COAL COMPANY, Yarma, Ky.

Jas. B. Torbert, President; C. C. Houston, Vice President; W. A. Nelson, Secretary; J. T. Bridges, Superintendent; Granger Simpson, Foreman.

This is a shaft mine located on L. & N. R. R., five miles south of Central City, operating No. 9 seam coal, 5 ft. 6 in. thick. This mine is electrically equipped. Mr. W. H. Hunt inspected this mine March 29th, 1922, and recommended one more split to comply with the law. Balance of conditions satisfactory. On December 15th, 1922, I inspected this mine and found that Mr. Hunt's recommendations had been complied with, but found that wires were not properly guarded. Recommended that wires be attended to at once. Ventilation, drainage, timbering good; roof conditions fine, with a hard clay bottom. Machine miners 106, pick miners 11, day hands inside 29, drivers 17, machine operators 5, helpers 5, outside hands 10; total 183.

PHOENIX COAL COMPANY, Drakesboro, Ky.

(Number 2)

G. A. Steed, Superintendent; P. C. Poiles, Foreman, permit.

This mine is sub-leased to the Steel Coal Company, which is operating it under that head. This is a shaft mine located one mile south of mine No. 1 along L. & N. R. R., working No. 9 seam coal 5 ft. 6 in. thick. Roof conditions good hard black slate, hard clay bottom. On June 12th, 1922, Mr. W. H. Hunt inspected this mine and found ventilation weak. Working boys under 16, which he recommended to cease and straighten out ventilation. On December 14, 1922, I visited this mine. As it was not working I did not make a thorough examination. Coal is shot from solid, mule haulage. Pick miners 45, drivers 9, day hands 9, outside day hands 4; total 67. (Coal 5 ft. 6 in. thick.)

PACIFIC COAL COMPANY, Mercer, Ky.

Anna L. Glass, President; Irvin L. Glass, Vice President; C. D. Glass, Secretary-Treasurer; J. O. Bailey, Foreman.

This is a shaft mine 80 feet deep working No. 9 seam coal 5 feet thick. Located on I. C. R. R., three miles south of Cen-

tral City. This mine is electrically equipped. On April 6th this mine was visited by Mr. W. H. Hunt, who recommended installing a booster fan. April 8th fan installed, making everything satisfactory. There is a local strike on at this mine which has been in progress since middle of December, 1922.

ROGERS BROTHERS COAL COMPANY, Bevier, Ky.
(Mine No. 1)

Fon Rogers, President; J. L. Rogers, Vice President; Lon Rogers, Secretary-Treasurer.

This mine is located on L. & N. R. R., four miles south of Central City. Is a drift mine, working No. 9 coal 5 ft. thick. Coal is hoisted from drift mouth to tippie by chain haul. This mine is electrically equipped. Mr. W. H. Hunt examined this mine February 9th, 1922, and reports no ventilation in south side of mine. Gave company twenty days to commence sinking shaft, which has been remedied.

ROGERS BROTHERS COAL COMPANY, Bevier, Ky.
(Mine No. 2)

Officers same as above.

Drift mine, coal 5 ft. Mr. W. H. Hunt's report of February 9th, 1922, recommends installing fan at once or close mine down. The company immediately installed a small fan which met the requirements.

I did not visit this mine on account of being unable to get around, but received the above information from Mr. Hunt.

ROCKPORT COAL COMPANY, Rockport, Ky.
(Number 1)

H. L. Tucker, President; R. C. Reed, Vice President; John T. May, Secretary-Treasurer; J. L. Jenkins, Foreman.

This is a shaft mine 120 feet deep, working No. 9 seam 4 feet 6 inches thick, free from partings. Hard slate roof, clay bottom. This mine is located nine miles east of Central City, on I. C. R. R. This mine is electrically equipped and has a production of from 800 tons to 1,000 tons per day. Motor and

mule haulage. I examined this mine November 1st, 1922. Ventilation, drainage, timbering and machinery satisfactory. Machine miners 80, drivers 10, day hands inside 28, machine operators 4, helpers 4, day hands outside 11; total 137.

ROCKPORT COAL COMPANY, Centertown, Ky.
(Number 2)

Officers same as above, except Claude Chapman, Foreman.

This mine is a shaft mine 127 feet deep to No. 9 seam coal 4 feet 4 inches thick; located on L. & N. R. R., fourteen miles east of Central City. I did not have time to visit this mine; will catch it early this year.

JIM THOMPSON COAL COMPANY, Drakesboro, Ky.
J. M. Thompson, Owner and Operator.

This is a shaft mine 96 feet to No. 9 coal, 5 feet 4 inches thick, free from parting. Roof conditions fine; hard clay bottom. This mine is located 6 miles from Central City on L. & N. R. R. Mine electrically equipped, producing 400 tons daily. Motor and mule haulage, machine mined. The mine has five Morgan breast machines, one 35-b Jeffrey short wall. On October 30th, 1922, I inspected this mine and found it in bad condition, ventilation bad, drainage bad, and almost impossible to get to escapeway. Recommended sinking new shaft at face of working places on second south entry, fourth east. Until this is done clean up at bottom of shaft, second opening, so as to make it possible for men to come out of shaft should anything happen in or with main shaft.

Pick miners 20, machine miners 46, drivers 6, day hands inside 15, machine operators 3, helpers 3, day hands outside 6; total 99.

W. A. WICKLIFF COAL COMPANY, Martwick, Ky.
W. A. Wickliff, President; C. E. Martin, Vice President; C. M. Martin, General Manager; A. J. Mercer, Mine Manager.

This is a shaft mine located seven miles east of Central City on I. C. R. R. The mine is electrically equipped and has motor and mule haulage. Coal is mined by machine; they also have some solid shooting. Shaft 80 feet deep to No. 9 coal, 4 feet 6

inches thick. Roof is bad and treacherous and needs careful watching. Mr. W. H. Hunt examined this mine March 24th, 1922, and reported ventilation, drainage, timbering and machinery satisfactory, but recommended another split to comply with the law.

I examined this mine October 20th, 1922, and found it in very satisfactory condition, with the exception of the air splits. Have the assurance of the mine manager that it will be attended to at once.

Pick miners 20, machine miners 100, day hands inside 25, machine operators 10, helpers 10, drivers 14, day hands outside 15, night shift 14; total 204.

On October 13th, 1922, fatal accident: Mr. P. K. Lewis, driver boss, took a small tie and knocked a center post from under a cross-piece 3 x 5 supporting trolley hanger in order to give him room to put on a mine car that was off of the track on lieaway at shaft bottom. When he knocked the center post out a piece of slate came down, about three and one-half inches thick, about four and one-half feet by three and one-half feet wide, causing multiple fracture at base of brain.

W. A. WICKLIFF COAL COMPANY, Browder, Ky.

W. A. Wickliff, President; C. E. Martin, Vice President; C. M. Martin, General Manager; D. F. Cather, Foreman.

This is a shaft mine 200 feet deep to No. 9 seam coal, 6 feet thick. Good roof of hard slate, usual hard clay bottom. This mine is located seven miles south of Central City on L. & N. R. R. It is electrically equipped, motor and mule haulage. Mr. W. H. Hunt examined this mine March 8th, 1922, and recommended another split in order to comply with the mine law. Otherwise mine was satisfactory. Owing to being pushed for time I did not visit this mine.

W. G. DUNCAN COAL COMPANY, Graham, Ky.

W. G. Duncan, President; C. W. Taylor, Vice President; A. W. Duncan, Secretary-Treasurer; W. G. Duncan, Jr., General Manager.

This mine is located on I. C. R. R., fourteen miles from

Central City, southwest. Operating No. 9 seam, 4 feet 10 inches clean coal. Roof is a hard black slate of excellent quality; bottom hard grey clay. These are drift mines, electrically equipped; six electric locomotives, fourteen Sullivan machines, two 6 feet Sirroco fans, producing on an average of 50,000 cubic feet of air each per minute. Drifts are connected. Ventilation is well distributed to working faces. Timbering, drainage and general safety are perfectly satisfactory in every way. Has a production of 3,000 tons per day. On January 2nd, 1923, the first day of my visit to this mine, they dumped 2,996 tons in seven hours, loaded 61 railroad cars. Machine miners 280, drivers 30, machine operators 15, helpers 15, day hands inside 20, day hands outside 25. Foreman, A. Pollick.

(Date of inspection, January 2nd and 3rd, 1923.)

W. G. DUNCAN COAL COMPANY, Luzerne, Ky.

Officers the same as above at Graham mine, except A. O. Roll, Foreman at Luzerne mine.

This mine is located on I. C. R. R., nine miles west of Central City. Working No. 9 seam, 4 ft. 2 in. clean coal; no parting; hard black slate roof, hard clay bottom. This is a drift mine, electrically equipped; 3 electric locomotives, 8 Sullivan short wall machines, 3 Jeffrey short wall machines, one 7 ft. Sirroco fan, producing 65,000 cubic ft. of air per minute, 110 R. P. M. Ventilation, drainage, timbering, machinery and general safety satisfactory. Machine miners 180, day hands inside 35, machine operators 10, helpers 10, day hands outside 21, drivers 20; total 276.

(Date of inspection, January 4th, 1923.)

O. & K. COAL COMPANY, Livermore, Ky.

This mine is located on L. & N. R. R., 14 miles north of Central City. Mr. W. H. Hunt examined this mine on May 23rd, 1922, and reported mine satisfactory. As my time was limited I did not get a chance to visit this mine.

BOGGER & JOHNSON, Hillside, Ky.

This mine is located on I. C. R. R., four miles west of Central City. On June 19th, 1922, Mr. W. H. Hunt examined this mine and reports it to be in satisfactory condition in every way.

DELAWARE COAL COMPANY, Delaware, Ky.

This is a shaft mine located on Green river, 11 miles south of Owensboro, Ky. On April 13th, 1922, Mr. W. H. Hunt examined this mine, and recommended to install speaking tube from engine room to shaft bottom, provide stretchers and anemometer. Not sufficient ventilation. Timbering, drainage and machinery satisfactory.

BEAVER DAM COAL COMPANY, McHenry, Ky.

Main Office, Louisville, Ky. (Williams Mine.)

Officers same as No. 17 mine, except mine foreman (B. Bayliss, Mine Foreman.)

This is a shaft mine located on I. C. R. R., 15 miles from Central City, east, working No. 9 coal, 4 ft. 3 in. thick. This mine is electrically equipped; motor and mule haulage; A. C. current 275 volts. Ventilation, drainage, timbering, machinery satisfactory. Pick miners 46, machine miners 74, drivers 23, day hands inside 30, machine operators 5, helpers 5, day hands outside 13, night shift 8; total 204.

(Date of inspection, October 13th, 1922.)

BLACKWELL BROS. COAL COMPANY, Powderly, Ky.

(New Mine)

This is a drift mine located on I. C. R. R., six miles west of Central City, operating No. 9 seam coal 5 ft. thick. This is a new mine. Started shipping coal on or about December 20th, 1922. Coal is shot from the solid; mule haulage to drift. Mouth coal is then hauled three-fourths of a mile to tippie, by tractor motor. Roof conditions good, a hard black slate; hard clay bottom. Pick miners 17, drivers 2, day hands inside 1, day hands outside 2; total 22.

(Date of inspection, January 9th, 1923.)

POND CREEK COAL COMPANY, Central City, Ky.

(New Mine)

Fred Dick, Superintendent; Mack Dowell, Foreman.

This is a shaft mine 46 ft. deep to No. 11 seam coal 5 ft. 6 in. thick. This mine is located on Kentucky Midland Railroad, five miles northwest of Central City. It is electrically equipped with small 75 K. W. generator, one 100 H. P. boiler, one Sullivan short wall cutting machine, 250 volts. This equipment is used merely for developing, as they propose putting in a modern plant shortly. This is a new mine which began shipping coal in September, 1922. Mule haulage; fan 42 in. in diameter, 250 R. P. M., producing 3,600 cubic ft. of air per minute. Day shift, machine miners 10, drivers 1, day hand inside 1, machine operator 1, helper 1, day hands outside 5; total 19. Night shift, machine miners 8, driver 1, inside hand 1, machine operator 1, helper 1, outside hands 3; total 15.

(Date of inspection, November 20th, 1922.)

BELTON COAL COMPANY, Yost, Ky.

(Hazel Creek)

C. C. Christopher, President, Nashville, Tennessee; P. A. Forsythe, General Manager, Yost, Ky.; Lee Woods, Foreman.

This is a shaft mine 70 ft. deep, mining what they think No. 9 seam coal only 3 ft. 6 in. thick. This mine is located on L. & N. R. R., twelve miles south of Central City. It is electrically equipped, cutting coal; have two Goodman short wall machines. Mule haulage; roof hard slate, good condition; hard clay bottom. Machine miners 36, day hands inside 15, drivers 3, machine operators 2, helpers 2, day hands outside 7; total 64.

KENTUCKY BLACK DIAMOND COAL COMPANY, Hawesville, Ky.

Genevieve Duncan, Owner and Operator.

This is a local mine located four miles south of Hawesville, Ky. Coal is hauled in wagons to local trade, also some is shipped on L. H. & St. L. R. R. to R. R. points. This mine was closed down December 24th, 1922, but expect to reopen about January 20, 1923. Operating the Hawesville seam; drift opening; coal 4 ft. 6 in.

BOOTH COAL COMPANY, Hawesville, Ky.

This mine is a local mine located four miles southeast of Hawesville, Ky. Was temporarily down on December 31st. Coal is hauled to Hawesville on wagons to local trade. Drift mine; Hawesville seam, 4 ft. 4 in. thick.

WHITE COAL COMPANY, Island, Ky.

A. C. Lackey, Owner and Operator; W. H. Hill, General Manager.

This is a shaft mine 60 ft. deep, working No. 9 seam coal 4 ft. 8 in. thick. As I did not have sufficient time I did not visit this mine.

DAVIS COAL COMPANY, Island, Ky.

Bob Davis, Owner and Operator.

This is a drift mine doing local business only, working No. 9 coal 4 ft. 6 in. thick. Did not get around to visit this mine; lack of time.

SCELF COAL COMPANY, Lewisport, Ky.

Chas. Scelf, Owner and Operator.

This is a local mine located four miles south of Lewisport working the Lewisport seam. Drift mine; shot from solid. Coal 4 ft. thick. Good roof of hard slate, hard clay bottom. Pick miners 5, driver 1; total 6.

(Date of inspection, January 17th, 1923.)

D. G. Duncan, Owner and Operator, Hawesville, Ky.

This is a new drift mine being opened, working the Lewisport seam of coal, located three and one-half miles south of Lewisport. Local mine, but expect to coal packets or steamers on the Ohio river, as well as furnish coal for town of Lewisport, Ky. Pick miners 4, driver 1; total 5.

(Date of inspection, January 17th, 1923.)

KIMBLY COAL COMPANY, Equality, Ky.

E. S. Randle, President; Len Reynolds, Vice President.

This is a drift mine located on M. H. & E. R. R., eleven miles northeast of Central City, operating No. 14 coal 6 ft. thick. Hard shale roof, clay bottom of hard quality. This mine is equipped with air. Coal is shot from solid; mule haulage. I did not get to examine this mine on account of not having time to do so; expect to get to it early this year.

THIRD DISTRICT

Hon. L. Blenkinsopp,
Chief Inspector of Mines,
Lexington, Kentucky.

Dear Sir:

Having been called away to accept a position as superintendent of the Landrum Coal Company, at Arjay, Kentucky, Bell County, with a more lucrative salary, I herewith give you a short sketch of my performance during 1922.

My annual report constitutes the examination already reported and is on files in your office of the seventy-five mines in the third district constituting Pulaski, Boyd, Carter, Morgan, Lee, Jackson, Breathitt, Laurel, Clay, McCreary and Rowan counties. The district is very much scattered, very expensive, the railroads taking up nearly all the expenses allowed, before the mines are reached to be examined. However, many of the mines are in first-class shape while others need to be improved to comply with the law.

To improve these mines, fans should be installed, a proper system of working should be established, mine maps should be made and kept on hand and a copy sent to the department for file; stretchers and first aid outfit should be kept on hand.

Many do not comply with Article 1, page 5, Acts of 1914, and section 3, Act of 1893, page 62 and maps article 111 (1914), page 15. This applies to the smaller mines and they subject themselves to a penalty as prescribed by the mining law of Kentucky for non-compliance.

Part of my time was put in the office at examinations for mine foremen and filing maps. I also made several trips to dust explosions and mine fires.

I wish to thank the operators and miners for their kind co-

operation and you for your support and courteous advise and assistance at all times during the year of 1922.

Yours very truly,

JOSEPH A. LEWIS,
Inspector of third district.

P. S.—The enclosed are reports of the mines that I made special examination of in conjunction with the names on the report of mines exploded.

Hon. L. Blenkinsopp, Chief,
State Department of Mines,
Lexington, Kentucky.

Dear Sir:

We, the following assistant State mine inspectors of Kentucky, Lacy Laxton, R. D. Collett, and J. A. Lewis visited the Pioneer Coal Company, Kettle Island, Bell county, Kentucky on February 2, 1922, by your request in a telegram to J. A. Lewis at Luce, Kentucky, on February 1st, 1922, and found the mine to be in the following condition:

The ventilation is very bad in the face of number 9 right entry and also in the face of number 14 right entry. This is due to stoppings not being installed in the breakthroughs, but curtains being put up which are in bad condition.

We found the drainage to be very bad in the mine especially on number nine right entry. The face of this entry was full of water and the main haulage road had water over the rails in several places.

There are several small pumps in the mine. The wires are not put up on insulators on these pumps, but simply wedged against the top with wood.

We found a pocket of gas in the air course to 9th right entry about 250 feet from the face in a quantity that we could get an explosive cap with our lamps.

From the evidence we have it seems that the mine foreman, Mr. Hickory Grace, who holds a second class certificate in the State, does not give the men the proper protection that they

should have; for instance, the pocket of gas that we found in the air course of 9th right entry was known to him, but he had made no provision to dilute this gas or render it harmless. He had not even instructed the men of the danger that existed in this entry.

It seemed to be a general habit of the men to burn the gas out, when it was found in their places, or take their coats and brush it out. We received statements from some of the men that several times a week they had to come in contact with gas in their working places; as a matter of fact it seemed to be a general thing for the men to find gas in their working places and walk into it and set it off.

We asked the mine foreman after finding the pocket of gas on 9th right entry, if he had any knowledge of gas being found on any other entry in the mine. He informed us that he did not, but on our arrival at 14th right entry we questioned some of the men in the presence of the mine foreman and all of the men acknowledged that they came in contact with gas on an average of three days a week. The men on this entry had also been walking into gas without knowledge of it being there and had been setting it off without warning.

On the 18th of January there was an explosion on the 9th right entry of this mine and burnt two men seriously. We examined the location of this explosion, which was in the breakthrough between the entry and air course directly in front of the pocket of gas that we had found. We came to the conclusion that this explosion was caused by the ignition of this pocket of gas, which had no doubt tailed out through the breakthrough, by one of the two men that was detailed to this portion of the mine to take up some rails. These two men were sent in the air course to take these rails up with open lights, although the presence of gas was known to the mine foreman.

After making a thorough examination, we recommend the following and impress the necessity of the recommendations being complied with, as a means of protection to the men that are employed in the mine:

1. That a special examiner be put on at once. This examiner's duty to be specified as follows: That he shall be equipped with only one light, this to be an approved safety lamp.

2. That he examine 9th right and 14th right entries and any other place that he has any knowledge of gas being found each morning before the men are allowed to enter the mine. That he mark the date of his examination in the face of each place each morning. After making a thorough examination of these designated places that he will report to the mine foreman at the drift mouth and write his findings in a book, provided for that purpose by the State Department of Mines. He also will mark the conditions of these places on a board which will be placed at the drift mouth, before *any* man will be allowed to enter the mine.

That a shot firer be put on to fire all shots on the entries that gas is known to exist on, with the instructions that he to fire only one shot at a time and that he is to fire no shot when the hole is not drilled properly or when it is not properly loaded and tamped with clay.

This shot firer can also hold the place as special examiner, provided he is capable and competent. He must be given the authority to prohibit any dangerous practices, and will be held responsible for any violation of the rules of the company, violations of any of the mining laws or of these recommendations.

3. That the mine be ventilated according to the mining law of the State at once, and all curtains be replaced by permanent stoppings except the places where it is absolutely necessary to have a curtain.

4. That the mine be drained and put in a condition so the men can walk in to their working places, without wading through water over their shoe tops.

5. That the pumps be protected from fire and the wires be installed on insulators at each pump.

6. That the men be forced to set safety timbers in the face while working. These timbers to be delivered to the men.

7. That the motormen and brakemen be instructed that they are not to allow men to ride on trips of cars, without a written order from the mine foreman.

8. That you prohibit powder from being hauled into the mine in mine cars or on the motor.

9. That you inform the men of the danger that exists in

the mine and especially the men that work on 9th right entry and 14th right entry as the law requires. That you instruct the men that they are not allowed in the mine until after it has been thoroughly inspected by the special examiner and his O. K. marked on a board at the drift mouth. That the men who come under the guidance of the special examiner and shot firer must comply with his orders.

10. The men must be instructed to report any place in the district is designated to be examined by the special examiner, when it is found that the date is not present, which must be the date of that day. In case a place is found to not have the date of inspection, the men must be instructed to withdraw to the entry and inform the mine foreman, who in turn must see that the place is examined before the men are allowed to return.

We are of the opinion that these recommendations should be carried out in full, to make the mine safe for the men that are employed inside of this mine.

Very respectfully,

R. D. COLLETT,

Asst. State Inspector, 4th District.

LACY LAXTON,

Asst. State Inspector, 5th District.

J. A. LEWIS,

Asst. State Inspector, 3rd District.

FOURTH DISTRICT

Hon. L. Blenkinsopp, Chief,
State Department of Mines,
Lexington, Kentucky.

Dear Sir:

We, the following assistant State mine inspectors of Kentucky, Lacy Laxton, R. D. Collett and J. A. Lewis visited the Laymond-Callaway Mine, which is located about one mile from Luse, Kentucky, in Bell county on February 1, 1922, and investigated an explosion that occurred in this mine on January 30, 1922, at 8:30 p. m. This explosion killed six men and injured two.

After making a thorough investigation and examination of the explosion and the mine, we have come to the conclusion that the explosion was caused by a blown-out shot, in the face of number 4 room, off of the second left entry, which blew out and ignited the dust, that was held in suspension, from other shots that were fired in the face of this room and caused a dust explosion.

From the evidence we have decided that there were possibly five to seven shots fired in the face of this room, each shot very heavily loaded and tamped with coal dust. Several of the shots went off and held the dust in suspension, when a moment later the fatal shot, which was located in the right-hand corner of the room, and drilled at least six feet in solid coal, without a lift, fired, and blew out.

The explosion came down number four room to the first breakthrough, which is the air course to the second left entry, and from there followed the air course to the main entry a distance of 250 feet. After reaching the main entry it took a course to the outside for several hundred feet and then crossed over the main air course. At a distance of about 200 feet from the drift mouth it come back to the main entry and went outside.

The explosion was very mild. It did very little damage to the mine. There were several stoppings blew down in the course of the explosion, and some signs of fire in different places.

The eight men that were caught in the mine were found about 150 feet outside of the drift mouth and were burnt and also mangled from the force that blew them against the rib.

This mine is very dusty and is ventilated by a furnace. From the evidence we have the furnace was probably not burning at the time of the explosion, which caused the explosion to be very mild, as there was scarcely no current of air moving.

We made the following recommendations to the mine foreman, Mr. J. A. Stewart, and wish to impress the necessity of them being complied with before the mine is allowed to resume operation.

1. That the mine be humidified and dust loaded out.
2. That only one shot be fired in any one place at any one time.
3. That the miners be supplied with clay, and compelled to tamp all holes with it.
4. That the miners are not allowed to open their powder with picks, or anything that is made of metal, that will cause a sparks, but that they open the powder kegs with a piece of wood and use a funnel to cover the opening.
5. That no hole will be drilled more than 3 feet on the solid and at all times be given the proper lift.
6. That a fan be installed at the mine, and all stoppings and doors be repaired so that ample ventilation will be maintained throughout the mine.
7. That Lacey Laxton, district inspector of the district in which the mine is located, will be notified and make an inspection of the mine and give his consent before the mine will be allowed to operate.

The above report is based on the investigation that we have made of this explosion and we trust that it will give you all the information that you may need.

Yours respectfully,

R. D. COLLETT,
Inspector of 4th District.
LACY LAXTON,
Inspector of 5th District.
J. A. LEWIS,
Inspector of 3rd District.

Williamson, West Virginia,
April 5, 1922.

Mr. L. Blenkinsopp,
Chief Inspector of Mines,
Lexington, Ky.

Dear Sir:

We, the undersigned inspectors, have investigated the explosion of the Bailey Pond Creek Coal Company which occurred on April 3, 1922, and find that the cause was due as per the enclosed report.

We feel that if the enclosed recommendations which we have made to this company are complied with the mine will be in a safe condition for men to work in.

This mine exploded on October 17, 1921, and at that time recommendations were made, and from the evidence they were partially complied with.

It has been made a practice by this company since the first explosion to warn all men when shots are to be fired, and they are requested to come out.

This was done the night of this explosion and five of the seven men that were inside came out, but the two men who were killed informed the shot firer to fire his shots, which totaled ten shots in all, that they would be safe. These two men not abiding by the rules therefore lost their lives.

We trust this report will be satisfactory and give you all necessary information.

Very respectfully,

GRANT PHILLIPS,
Assistant Mine Inspector.

J. A. LEWIS,
Assistant Mine Inspector.

Williamson, W. Va.
April 5, 1922.

BAILEY BOND CREEK COAL COMPANY, Williamson, W.
Virginia.

We, the undersigned State mine inspectors of Kentucky, have examined your Black Diamond Mine this April 5, 1922.

This mine exploded on April 3rd, 1922, at 9:00 p. m., and killed the following two men, James Lockhart and Ed Porter. After making a thorough examination and investigation, we have come to the conclusion that this explosion was caused by dust, ignited from a blown out shot in face of No. 3 room off of first right heading, which was crossed by shots being fired simultaneously, four shots being fired in face of heading and four being fired in face of No. 3 room.

As a matter of precaution to prevent a recurrence of this disaster and put your mine in a safe condition to comply with the State mine laws of Kentucky, we recommend the following, and request that you comply with these recommendations before resuming operation of this mine.

- (1) Load out all dust and humidify mine.
- (2) Install a fan, which shall be fire-proof, and run as an exhaust.
- (3) Build permanent stopping in breakthroughs and see that the required amount of ventilation is at the face of each working place.
- (4) That the shot firer be instructed to fire not more than one shot in the face of any place, and see that no shots be fired that would cause them to be crossed.
- (5) That a shot firer be employed (who shall be a practical and competent man). The duty of this shot firer will be to fire all shots in the mine. He will have the authority to refuse to fire any shot which in his judgment is not safe. This shot firer shall be held responsible for each and every shot fired in the mine. It will be his duty to abide by article 10 of the State mining laws of Kentucky, and also see that these recommendations are complied with.
- (6) That men be instructed to carry their powder in the mine in jacks. That they are only allowed to take enough powder inside for one shift.
- (7) That no powder be stored in mine in any quantity.
- (8) That clay will be provided for tamping purposes. That the shot firer be instructed to fire no shot unless it is tamped with clay.

(9) That you forbid men to open powder with picks or use steel or iron tamping bars and needles.

GRANT PHILLIPS,
Assistant Inspector 8th Ky. District.
J. A. LEWIS.

Pinson Fork, Ky.
February 8, 1922.

MARIETTA COAL COMPANY, Pinson Fork, Ky.

We, the undersigned State mine inspectors of Kentucky, have examined your Marietta Mine No. 2, this, the 9th day of February, 1922. This mine exploded on February 7th, 1922, at 4:40 p. m. and killed the following nine men: Paris Adkins, William Fults, Russell Luts, Frank Collins, Jas. Williams, Oscar Nunnally, Paul Nunnally, Kelley Lockhart and Joe Birchfield.

It also injured Hobart Birchfield and Jas. Iage. After making a thorough examination and investigation, we have come to the conclusion that this explosion was caused by dust, ignited from a blown-out shot in face of No. 4 room off of second right entry, which was augmented by several other windy shots that occurred in the immediate vicinity, simultaneously with the fatal shot.

From the evidence obtained in our examination, we find it to be customary for the men to drill their holes improperly and charge them too heavily. It is customary for the men to damp with dust.

As a matter of precaution to prevent a recurrence of this disaster, and put your mine in a safe condition, comply with the State mining laws of Kentucky.

We recommend the following, which we suggest that you comply with before resuming operation of this mine:

- 1st. Load out all dust and humidify the mine.
- 2nd. That a fan be installed which shall be fire-proof and run as an exhaust fan.
- 3rd. That permanent stoppings and doors shall be built to give the required ventilation at the face of each working place.
- 4th. That a shot firer be employed (who shall be a practical and competent man). The duty of this shot firer will be to

fire all shots in the mine. He will have the authority to refuse to fire any shot which in his judgment is not safe. This shot firer shall be held responsible for each and every shot fired in the mine. It will be his duty to abide by article 10 of the State mining laws of Kentucky, and also see that these recommendations are complied with.

5th. That men be instructed to carry their powder in the mine in jacks. That they are only allowed to take enough powder inside for one shift.

6th. That no powder be stored in mine in any quantity.

7th. That clay will be provided for tamping purposes.

That the shot firer be instructed to fire no shot unless it is tamped with clay.

8th. That you forbid men to open powder with picks or use steel or iron tamping bars and needles.

9th. That you stop the faces of Nos. 1, 2, 3, and 4 rooms off of 2nd, right entry and drive breakthroughs as law requires.

Signed:

GRANT PHILLIPS,

Inspector 8th District of Kentucky.

M. L. WELLS,

Inspector 7th District of Kentucky.

J. A. LEWIS,

Inspector 3rd District of Kentucky.

Hon. L. Blenkinsopp, Chief,
State Department of Mines,
Lexington, Kentucky.

Dear Sir:

We, the following assistant State mine Inspectors of Kentucky, Lacy Laxton, R. D. Collett and J. A. Lewis visited the Pioneer Coal Co., Kettle Island, Bell county, Kentucky on February 2, 1922, by your request in a telegram to J. A. Lewis at Luse, Kentucky, on February 1st, 1922, and found the mine to be in the following condition:

The ventilation is very bad in the face of number 9 right entry and also in the face of number 14 right entry. This is

due to stoppings not being installed in the breakthroughs, but curtains being put up which are in bad condition.

We found the drainage to be very bad in the mine, especially on number nine right entry. The face of this entry was full of water and the main haulage road had water over the rails in several places.

There are several small pumps in the mine. The wires are not put up on insulators on these pumps, but simply wedged against the top with wood.

We found a pocket of gas in the air course to ninth right entry, about 250 feet from the face, in a quantity that we could get an explosive cap with our lamps.

From the evidence we have it seems that the mine foreman, Mr. Hickory Grace, who holds a second class certificate in the State, does not give the men the proper protection that they should have; for instance, the pocket of gas that we found in the air course of ninth right entry was known to him, but he had made no provision to dilute this gas or render it harmless. He had not even instructed the men of the danger that existed on this entry.

It seemed to be a general habit of the men to burn the gas out when it was found in their places, or take their coats and brush it out. We received statements from some of the men that several times a week they had come in contact with gas in their working places; as a matter of fact it seemed to be a general thing for men to find gas in their working places and walk into it and set it off. We asked the mine foreman, after finding the pocket of gas on ninth right entry, if he had any knowledge of gas being found on any other entry in the mine. He informed us that he did not, but on our arrival to 14th right entry we questioned some of the men in the presence of the mine foreman and all of the men acknowledged that they come in contact with gas on an average of about three days a week. The men on this entry had also been walking into the gas without knowledge of it being there and had been setting it off without warning.

On the 18th of January there was an explosion on the ninth right entry of this mine which burnt two men seriously. We

examined the location of this explosion, which was in the breakthrough between the entry and air course directly in front of the pocket of gas that we had found. We came to the conclusion that this explosion was caused by the ignition of this pocket of gas, which had no doubt tailed out toward the breakthrough, by one of the two men, who were detailed to this portion of the mine to take up some rails. These two men were sent in the air course to take these rails up with open lights, although the presence of gas was known to the mine foreman.

After making a thorough examination, we recommend the following, and impress the necessity of the recommendations being complied with, as a means of protection to the men that are employed in the mine:

1. That a special examiner be put on at once, this examiner's duty to be specified as follows: That he shall be equipped with only one light, this to be an approved safety lamp. That he examine ninth right and fourteenth right entries and any other place that he has any knowledge of gas being found in each morning before the men are allowed to enter the mine. That he mark the date of his examination in the face of each place each morning. After making a thorough examination of these designated places that he will report to the mine foreman at the drift mouth and write his findings in a book provided for that purpose by the State department of mines. He also will mark the conditions of these places on a board, which will be placed at the drift mouth, before *any* man will be allowed to enter the mine.

2. That a shot firer be put on to fire all shots on the entries that gas is known to exist on, with the instructions that he is to fire only one shot at a time and that he is to fire no shot when the hole is not drilled properly or when it is not properly loaded and tamped with clay.

This shot firer can also hold the place as special examiner, provided he is capable and competent. He must be given the authority to prohibit any dangerous practices, and will be held responsible for any violation of the rules of the company, violations of any of the mining laws or of these recommendations.

3. That the mine be ventilated according to the mining law of the State at once, and all curtains be replaced by per-

manent stoppings, except the places where it is absolutely necessary to have a curtain.

4. That the mine be drained and put in a condition so the men can walk in to their working places, without wading through water over their shoe tops.

5. That the pumps be protected from fire and the wires be installed on insulators at each pump.

6. That the men be forced to set safety timbers in the face while working, these timbers to be delivered to the men.

7. That the motorman and brakeman be instructed that they are not to allow men to ride on trips of cars without a written order from the mine foreman.

8. That you prohibit powder from being hauled into the mine in mine cars or on the motor.

9. That you inform the men of the danger that exists in the mine, and especially the men that work on ninth right entry and fourteenth right entry as the law requires. That you instruct the men that they are not allowed in the mine until after it has been thoroughly inspected by the special examiner and his O. K. marked on a board at the drift mouth. That the men who come under the guidance of the special examiner and shot firer must comply with his orders.

10. The men must be instructed to report any place in the district that is designated to be examined by the special examiner, when it is found that the date is not present, which must be the date of that day. In case a place is found to not have the date of inspection, the men must be instructed to withdraw to the entry and inform the mine foreman, who in turn must see that the place is examined before the men are allowed to return.

We are of the opinion, that these recommendations should be carried out in full, to make the mine safe for the men that are employed inside of this mine.

Very respectfully,

R. D. COLLETT,

Assistant State Inspector 5th District.

LACY LANTON,

Assistant State Inspector 5th District.

J. A. LEWIS,

Assistant State Inspector 3rd District.

Mine fire in the Indian Creek No. 1 mine on October 26th, 1922. Located on the spur track of the L. & N. R. R., Fourmile, Bell county, Ky. This fire was not known by the mine foreman until November 1st, 1922, as a result of the mine not working from October 26th to November 1st, when the fire was discovered by a miner who had gone into the mine for his tools. I was called to this mine on the morning of November 1st, 1922, and without investigating the fire I at once sent a message to the Chief Inspector of Mines, Mr. L. Blenkinsopp, Lexington, Ky., notifying the State Department of Mines of the fire. I then proceeded to enter the mine on the intake current with the mine foreman and superintendent, and four or five men with safety lamps and flashlights. We found the ventilation in very bad condition in this section of the mine where the fire was located on No. 1 main entry. The mine-foreman did not seem to know just what part or working place the fire was in, so we had to locate it as best we could and from what one of the miners told us about the shooting that was done on the last day the mine run on the 26th. We were forced to travel about four or five hundred feet under low top in the main intake current in order to get up to the fire in the heading of this entry, as it proved later to be. We were compelled to construct brattices and stop leaks in order to improve the air current before we could get anything like up to the fire. We pushed ahead as fast as possible, and when we reached the fire we found it to be in a room on the right going into the entry. Our ventilation was insufficient and so we were powerless to get to the fire, as we did not have any helmets or apparatus for this work. We waited until next morning, as we had got a return message from the Chief Inspector, Mr. Blenkinsopp, that he would be in that morning. When he arrived he had with him the Bureau of Mine car No. 5 under the direction of Mr. Cota and Mr. Williams. Mr. Blenkinsopp at once taken charge of the work of putting out the fire along with Mr. J. A. Lewis, the assistant inspector from the 3rd district. Mr. Blenkinsopp demonstrated some of his old-time fighting spirit in this mine fire. It was through his leadership, along with Mr. Lewis, Mr. Cota and Mr. Williams, who so nobly assisted him, that they got to the fire after some difficulty in

reversing the fan and constructing brattices to improve the current that the fire was sealed in one single shaft. I might say just here that to the boys or miners whom Mr. Blenkinsopp had gotten to work are due a lot of praise for the way in which they helped in this work. I want to say here that I greatly appreciate the cooperation of Mr. Blenkinsopp and Mr. Lewis for the quick and hearty response in this matter and that we are very fortunate to have a man at the head of the mining department who believes in doing things at the right time and who knows how to deliver the goods.

This fire has long since been out and no loss sustained by the operator to his property, as this room can be worked or the places around it. The only tonnage that is affected by this fire is the one room, due to the splendid work done by the men mentioned.

Fatality of Walter Suvart, employed by the Monarch Coal Company. This mine is situated on the Stony Fork Branch of the L. & N. & Southern Railroad. Suvart was pulling down some loose slate and failed to get away from it, slate catching him under it. Died from blood poison after operation had been performed. Age 45 years, experience 25 years as a miner, nationality American, colored. Accident happened March 18, 1922.

Fatality of Mat Cox, employed by the Monarch Coal Company. Mr. Cox was caught by slate fall on 13th left while loading a car. Was taken to the hospital and died two days later. Age 54 years, nationality, American, white; had experience of 28 years; had mine foreman's certificate and bossed for a good many years. Accident happened June 22nd, 1922.

Fatality of Dave Underwood, employed by the Coal Creek Coal Company. This mine is located at Ralston, Bell County, Ky., on the Stony Fork Branch of the L. & N. & Southern Railroad. Mr. Underwood was caught by a piece of draw slate while taking coal out or making a side track on the main entry. Although he had been warned by the mine foreman of his danger just a short time before, he did not set the necessary timbers for his safety. The piece of slate that caught him was 6' long 6" thick and 5' wide. Age 25 years, nationality American;

white. Had been in the employ of the company six months; experience 17 years.

Fatality of Geo. Grover, employed by the J. B. Straight Creek Coal Company. Mine is situated on a spur track of the L. & N. R. R. in Bell County. Mr. Grover was pulling a piece of slate in 3rd left entry in the J. B. Straight Creek mine. There were two slabs of slate on the entry up near the heading. Grover was driving the heading and he desired to take the slate down, as he had to pass under it. In pulling the slate one piece caught his right leg, breaking it between the ankle and the knee. Accident happened on January 31st, and he was taken to the hospital, where he died February 1st, 1922. Nationality, American, colored, age 30 years; had been employed by the company seven days; experience 17 years.

James H. Elliatt, employed by the Pioneer Coal Company. This mine is located at Kettle Island, Bell County, Ky., on the Straight Creek Branch of the L. & N. R. R. Mr. Elliatt was working in room No. 5 on 5th right, off 12th right, up near the face of room just in front of roadway. The timbers were in good condition and up as close to the face as he could work. The top was not broken anywhere else in the room up near the face; top seemed to be good, with exception of the loose slab of slate that caught him. His neck and back broken and left side crushed. Death instantaneous. Age 37 years; in employe of company seven or eight years; experience as a miner seven or eight years. White, nationality American.

Fatality of W. M. Nealy, employe of the Horse Creek Mining Company. Mine is located at Hima, Ky., on the C. & M. R. R. Age 43 years, nationality American, white; experience in mines 22 years. Mr. Nealy had been in the employ of the company about three months when the accident happened. He was working in the last room on the main entry, just opposite 4th right. Accident happened ten minutes to one o'clock July 25th, 1922. One piece of rock or slate that caught him underneath it was 4' 9" by 4' 11" thick; second piece of rock that broke off the main piece was 3' 9" by 6' 3" and 12" thick. The slate broke in two pieces, and when found he was caught by both pieces of this slate. Death was instantaneous. He had just re-

turned from his noon meal and had pushed an empty car up to the face of his room, and had gone over in the breakthrough that had been cut from the room on 7th left off the main entry. He had turned some coal out of the break back to his car, and was possibly turning enough to load the car when the slate gave way above. This break had been cut for ventilation and was about 25 feet wide and did not have timber in it, and there was a space of 30 feet from the first timber set to the face. He had 16 timbers in his room when I counted them. Coal height 3' 7"; room was driven in from the main entry 104 feet. This slate is known by miners as horse-back top. This fatality happened on Horse Creek in Clay County.

Fatality of W. M. Burgan, employed by the Utility Gas Coal Company, located at Fourmile, Bell County. Accident on Friday, October 27th, 1922, about ten o'clock. Age 40 years; experience in and around coal mines 5 years. Nationality American, white. He had been employed by the company about ten days prior to time of accident. He was working in room 47 on 1st right entry up near the face of room; had been loading a car and had the car just about loaded and was over in the right hand rib sheering or working out part of a shot, and when cutting this coal out let a piece of slate loose that was very heavy, coming down and riding the prop out, the only one set under this heavy piece of roof for his protection while under it. The slate or piece that caught him was 4' wide and 8' long, 10" thick. He had his timbers up within 4' of face, but the top was broken very badly in this room clear across the face. This slate is known by miners as horse-back top. The room was 20' wide, working with a single roadway. Death was instantaneous.

Revisit to the M. J. Moss, Jr., Coal Company on December 2nd, 1922.

Revisit to the Log Mountain Coal Company on March 30th, 1922.

Revisit to the East Point Coal Company on November 25th, 1922.

This concludes the revisits made to mines in Bell County for 1922. I did not state here the condition of the mine, as you will see that this is practically all covered in the other reports

under the first visit or that head. A total of 58 inspections and 19 revisits to mines in Bell County. (Total 77 inspections.)

Willie Liew Coal Company. This company was formed in 1922. New mine bucket system of tramway on incline of about 1,800 feet; aerial tramway. Mule haulage; solid shooting or pick mine. Main office, Pineville, Ky.

Reopening of the old Castro mine, formerly owned by the Federal Coal Company. Located at Cary and Arjay, Ky., on the Straight Creek branch on the L. & N. Castro Mining Company, Pineville, Ky., 1922.

Reopening of the old Black Raven mine in 1922 by the New Haven Coal Company, located at old Black Raven, Four-mile, Ky., on a spur track of the L. & N. Main office, Pineville.

So far as I know I haven't any abandoned mines in my district that will not start again on the resumption of market conditions. I have at present a goodly number of small mines closed as a result of marketing conditions or the price of coal slumping to such an extent that they are unable to run and pay the wage scale under which the major part of them are bound to, or at least that is the claim of the operators.

I have in the Laurel County field about 43 small wagon mines. These mines are located in and around East Bernstadt, Pittsburg, London and Fariston, Ky.

These mines work on an average about four men to the mine and only operate when the coal market is good. In Bell, Knox and Whitley counties I have something like 25 or 30 of these mines working about the same number of men that Laurel does.

DIXIE GEM COAL COMPANY, Mine P. O. and Main Office, Middlesboro, Ky.

John Reece, General Manager; Charley Hurst, Mine Foreman.

This company is operating the Blue Gem seam. Solid shooting, mule haulage, coal height 2' 8". This mine is situated on the Stony Fork Branch of the L. & N. & Southern R. R., about 8 miles from Middlesboro. I visited this on November 15th, 1922. I found the ventilation in a very bad condition on every entry. I was unable to get a reading on any of the entries where the major part of the men were at work. I got one reading and

that was down an entry near the furnace. I recommended that the ventilation be improved on all entries in the mine so a reading could be taken at the last cross cut. Build a door at 2nd right and 3rd right. Go over your brattices and repair them. This company was trying to ventilate this mine with a so-called furnace, which was very badly constructed. I found that the mine could not possibly be ventilated with this furnace, so insisted that the company get a fan at once and do away with it, which they promised me they would.

Revisit to the Gooch Coal Company on July 23, 1922.

Revisit to the Gooch Coal Company on January 18, 1922.

Revisit to the Gooch Coal Company on August 24, 1922.

Revisit to the Benetts Fork Coal Company on October 20th, 1922.

Revisit to the Hibbard Coal Company on August 9th, 1922.

Revisit to the Hibbard Coal Company on September 30th, 1922.

Revisit to the Roth Coal Company on August 23rd, 1922.

Revisit to the American Fuel Company on August 15th, 1922.

Revisit to the New Straight Creek Coal Company on January 19th, 1922.

Revisit to the New Straight Creek Coal Company on May 13th, 1922.

Revisit to the New Straight Creek Coal Company on June 25th, 1922.

Revisit to the J. B. Straight Creek Coal Company on June 26th, 1922.

Revisit to the Utility Gas Coal Company on November 12th, 1922.

Revisit to the Crystal Coal Company on October 18th, 1922.

Revisit to the Atlas Coal Mining Company on April 10th, 1922.

Revisit to the Atlas Coal & Mining Company on November 10th, 1922.

M. J. MOSS, JR., COAL COMPANY, Mine P. O. and Main Office, Arjay, Ky.

Sherman York, Superintendent and General Manager; V. E. York, Assistant Manager; S. T. York, Mine Foreman.

This company is working the Straight Creek seam of coal. Mine is located at Heyburn, Ky., on the Straight Creek branch of the L. & N. R. R., about 5 mile from Pineville. Solid shooting, mule haulage and furnace ventilation. I made an inspection of this mine on August 21st, 1922, and found the mine in very good condition as to ventilation, timbering and drainage. I made the following recommendations: That a door be built on main entry at 1st left and one at the entrance to the furnace; door needed on main at 2nd left and one at 1st right entry. Build permanent brattices in all places not working and remove curtains. Begin work on second opening as the State Department of Mines does not consider a furnace opening a second opening. I note that practically all your loaders are allowed to open up powder with picks. It is useless for me to tell you of the danger of this practice. A man who knows how to drill a hole and then tamp it, stick fire to it and get away knows better than to do this. I insist that you stop it at once.

This mine is owned by the Moss Federal Coal Company and is leased out to York and Sons, who are now operating it.

W. E. GUNN COAL COMPANY, Mine P. O., Logmont, Ky.;
Main Office, Middlesboro, Ky.

W. E. Gunn, General-Manager; Mrs. W. E. Gunn, President and Treasurer.

This company is operating the stray seam; solid shooting, mule haulage, fan ventilation; coal height, 36 to 38 in. clean coal. Mine is located at Logmont, Ky., on the Stony Fork branch of the L. & N. & Southern R. R., about 10 miles from the city of Middlesboro, Ky. I visited this mine on October 19th, 1922, and found the mine in very good condition in every respect as to safety conditions. This company has 1, 2, 3 and 4 openings all dumping over one tipple.

LONG BRANCH COAL COMPANY, Mine P. O. and Main Office, Middlesboro, Ky.

W. K. Evans, President and Treasurer; R. L. Hopkins, General Manager; E. E. Hobbs, Mine Foreman.

This company is operating the Jack Rock seam of coal. Solid

shooting, mule haulage, fan ventilation; thickness of seam, 36 to 38 in. This mine situated on the Stony Fork branch of the L. & N. & Southern R. R., about 8 miles from Middlesboro, Ky. I visited this mine on November 11th, 1922, and found the mine in very good condition as to ventilation, timbering and drainage and general safety conditions. On my visit to the mine I found the company operating without a certified mine foreman, but on the request of the company to give the present mine foreman a permit to stay in charge of the mine until such time as the board of examiners would meet in Lexington, Ky., to hold an examination for mine foremen's certificates and upon the company's recommendation a permit was granted, with the understanding that their man present himself before this board, and this was complied with. This company has cooperated with me in my work as an inspector.

MONARCH COAL COMPANY, Mine P. O. Hollingsworth;
Main Office, Middlesboro, Ky.

This company is working the Hignite seam; coal is shot from the solid. Coal is gathered with mules and trammed to nuckle by motor, where it is dumped into a bend and reloaded into a monitor and run down an incline about 1,800 feet and loaded on to railroad cars. Thickness of seam, $4\frac{1}{2}$ to 5 feet; fan ventilation. This mine is situated on the Stony branch of the L. & N. & Southern R. R., about 7 miles from the city of Middlesboro, Ky. I visited this mine on September 7th, 1922, and found the mine in good condition as to timbering and drainage, but ventilation deficient on 13 left 14 left and 15 left, also main entry. I recommended that the ventilation be improved on all these entries so a reading could be taken. Build doors on 15 left main entry and 14 right and 14 right air course. Scale your entries and put a wire screen in front of your fan. Go over your door at drift mouth and repair or stop leaks. These recommendations were practically all complied with.

GRAVITY COAL & MINING COMPANY, Mine P. O., Bosworth; Main Office, Middlesboro, Ky.

Fred Wattson, Superintendent and General Manager; J. H. Brauscomb, Mine Foreman.

This company is operating the Turner seam coal; height 32 to 34 in.; solid shooting, mule haulage, fan ventilation. Mine is situated on the Mingo branch of the L. & N. & Southern R. R., about $3\frac{1}{2}$ miles from Middlesboro, Ky. I made an inspection of this mine on September 5th, 1922, and found the mine in good condition as to ventilation, timbering and drainage and safety conditions in general.

BELLMAN COAL COMPANY, Mine P. O., Bosworth, Ky.;
Middlesboro, Ky.

J. L. Manering, President; W. E. Cabell, Vice President and Secretary; F. E. Hess, Treasurer; J. L. Sprangler, Superintendent.

This company is operating the Turner seam of coal; machine mine, motor haulage and fan ventilation. This mine is situated on the Mingo branch of the L. & N. & Southern R. R., about $3\frac{1}{2}$ miles from Middlesboro, Ky. I made an inspection of this mine on September 1st, 1922, and found the mine in very good condition as to ventilation, timbering and drainage, except I could not get any reading on 1st left and dangerous roof conditions on this entry. I made the following recommendations: That you improve your ventilation 1st left off 3rd right main and take down all loose slate on this entry and retimber same. That you go over your brattices on your intake current and repair them, and put lights on motors, and do not allow motorman to run motors without lights. Build door on 3rd right entry. Coal height $4\frac{1}{2}$ feet; drift mine.

WAGNER COAL COMPANY, Mine P. O., Arjay, Ky.

E. M. Wagner, Superintendent and General Manager;
James Pruett, Mine Foreman.

Mine is working the St. Creek seam. Mine is located at Heyburn, Ky. Solid shooting, mule haulage; slope mine. This mine is situated on the Straight Creek branch on the L. & N. R. R., $4\frac{1}{2}$ miles from Pineville. Thickness of seam, 38 to 40 in. clear of parting. I visited this mine on August 24th, 1922. The mine was in the following condition: Ventilation deficient in every entry or cross-cut; drainage fair; brattices in bad condi-

tion. I made the following recommendations: That the ventilation be improved throughout the mine so a reading could be taken at last cross-cut in every heading. Build a door on main at the 1st left to conduct current up 1st left entry, also door needed at 2nd right; go over your brattices on your intake current and rebuild those that are now leaking all your current out and returning it to your furnace. Take all iron tamping bars out of mines; use only copper tipped bars. Order a first aid kit at once and keep at mine. See that all holes are properly placed and tamped, and stop your dangerous practice of opening up powder with picks. This is a very dangerous thing to do and if kept up will demonstrate this fact to the hurt of those who do it. See that plenty of caps and props are kept on hand at all times for the safe working of your mine. I truly hope you will comply with these recommendations and cooperate with the State Department of Mines in preserving the health and lives of your employes. Upon my revisit to this mine I found the mine in very good condition as to ventilation, also the practice of opening up powder with picks has been stopped. A great improvement has been made in this mine.

BENETTS FORK COAL COMPANY, Mine P. O., Bosworth,
Ky.; Main Office, Middlesboro, Ky.

J. E. Evans, President and Treasurer; F. F. Sharp, Vice President; J. A. Sharp, Secretary.

Company is operating the Jack Rock seam. Machine mine; coal is mined with electric machines; motor haulage and fan ventilation. Coal is trammed to outside by motors and loaded into monitor, run down an incline 2,900 feet and redumped into a large bin, then loaded on railroad cars. This mine had been closed down nineteen months and had just started up when I made this inspection. I found the mine in very bad condition in regard to ventilation, owing to the fact that the mine had been closed down so long the brattice work from 8th right to the outside was all practically rotted down. Notwithstanding the fact that the 7 foot disk fan was producing 27,000 cubic feet of air on the intake at the mouth of 8th right and main intake I was unable to obtain a reading in the mine. I

recommended that this ventilation be improved at the last cross-cut of every entry in the mine, and a number of other recommendations in regard to safety conditions. On my second visit to the mine twenty days from the first visit I found all my recommendations complied with. Coal height 36 to 38 in. This mine is situated on the Mingo branch of the L. & N. & Southern R. R., about 4 miles from Middlesboro, Ky.

HOME RUN COAL COMPANY, Mine P. O. and Main Office,
Middlesboro, Ky.

F. S. Eral, Superintendent and Mine Foreman; F. D. Hart, Jr., President; E. R. Short, Vice President and General Manager; H. E. Dinger, Secretary; J. L. Purcell, Treasurer.

This company is operating the Turner seam. Solid shooting, mule haulage; drift mine. Mine is situated on the Stony Fork Branch of the L. & N. & Southern R. R., about two miles from the city of Middlesboro, Ky. I visited on September 29th, 1922, and found the mine in good condition as to ventilation, timbering and drainage and safety conditions in general. Coal height, 4½ to 5 ft.

AMERICAN FUEL COMPANY, Wallsend Mine P. O. and
Main Office, Pineville, Ky.

Judge Tinsley, President and General Manager; R. B. Ray, Superintendent; Edear Moody, Mine Foreman.

This company is working the St. Creek seam. Mine is located at Wallsend, on main line or spur track of the L. & N. R. R., about one mile and a half from Pineville. This is a solid shooting mine; coal height 33 to 34 in. clear of parting; mule haulage; drift mine; fan ventilation. I visited the mine on August 10th, 1922, and found the mine greatly improved over my first visit to the mine. This company has always demonstrated a willingness to cooperate with me in my work of inspection.

CLOVER LEAF COAL COMPANY, Mine and Main Office,
Middlesboro, Ky.

John Chesney, General Manager; E. P. Nicholson, President; T. J. Yeary, Mine Foreman.

Mine is working the Jack Rock seam of coal; mule haulage, solid shooting; coal height 40 inches. Situated on the Stony Fork branch of the L. & N. & Southern R. R., about eight miles from Middlesboro, Ky. I visited this mine in 1922 and the condition of the mine was very good as to ventilation, timbering and drainage. No recommendations were made as the company on the day of my inspection was complying with the mining law in regard to safety and other conditions.

VICTOR COAL & MINING COMPANY, Mine P. O. and Main
Office, Middlesboro, Ky.

Peter Deer, Superintendent and Mine Foreman.

This mine is operating the Barner seam; mule haulage; slope mine, solid shooting. Situated on the main line of the L. & N. R. R., about 6 miles from Middlesboro and 7 miles from the city of Pineville, Ky. I made an inspection of this mine on August 8th, 1922, and will say that the mine is in splendid condition in every way as to ventilation, timbering and drainage. No recommendations were made.

CORVAL COAL COMPANY, Mine and Main Office, Middles-
boro, Ky.

J. S. Victor, General Manager and Superintendent; Wm. Wilhor, President; Dude Partin, Mine Foreman.

This mine is working the Barner seam of coal. Mine is situated on main line of the L. & N. R. R., about 3 miles from the city of Pineville, Ky. Solid shooting; mule haulage; slope mine. I made an inspection of this mine on September 8th, 1922, and I found the mine in bad condition as to ventilation. I found the company operating with no fan going, as they were just getting the water out of the mine, which had been closed for some time and the mine had accumulated a great deal of water. The company had some four or five men on the main entry loading coal with practically no ventilation at all. I ordered these men be taken out of the mine until such time as the company could finish the work of installing the new fan that they were trying to put in. I also made recommendations to take the steam line off of the intake that they were using to pump the water out

of the main heading. The recommendations were complied with and the ventilation restored before the men were permitted to go into the mine.

FERN LAKE COAL COMPANY, Mine and Main Office, Middlesboro, Ky.

F. D. ———, Jr., President; E. R. Hart, Vice President; J. L. Purcell, Treasurer; E. Dinger, Superintendent; Chas. Cantrell, Mine Foreman.

This company is operating the Turner seam. Solid shooting, mule haulage; thickness of seam $4\frac{1}{2}$ to 5 feet with parting in center of fireclay. This mine is situated on the Stony Fork branch of the L. & N. & Southern R. R., about 2 miles from Middlesboro, Ky. I visited this mine on September 30th, 1922, and found ventilation, timbering, drainage in very good condition. I made recommendations to open up the intake on the other side of the mountain so a full volume of air might be had in this opening; also noted dangerous roof on upper end of side track. I recommended this be timbered or taken down.

ACCOSTA COAL COMPANY, Mine and Main Office, Pineville, Kentucky.

E. H. Smothers, Superintendent and General Manager; W. J. Black, Mine Foreman.

Mine is operating the Barner seam of coal. Solid shooting, mule haulage; drift mine; coal height 36 to 38 in. This mine located at Wasaoto, about $1\frac{1}{2}$ miles from Pineville, Ky., on the main line or Shenoah branch of the L. & N. R. R. I visited this mine on September 28th, 1922. On day of inspection of the mine fan was not running on account of a change that company was making in moving the fan down, putting it in direct line with the return airway, therefore, I did not get any readings in this mine. The condition of the brattice work looked to be very good. I recommended that the work be rushed on the fan in order that ventilation might be restored. Timbering and drainage satisfactory.

YELLOW HILL COAL COMPANY, Mine P. O. and Main Office, Middlesboro, Ky.

R. L. Smith, President and General Manager; Elmore Manice, Mine Foreman.

Mine is working the Popular Lick seam of coal; mule haulage, furnace ventilation, solid shooting; coal height $4\frac{1}{2}$ feet. This mine is situated on the main line of the L. & N. R. R., about three miles from Middlesboro, Ky. I visited this mine on August 24th, 1922, and the following conditions were noted: Ventilation insufficient, drainage fair, furnace in bad condition. I found on my visit to this mine that the company was working 25 pick miners in the mine, and while they had a furnace that was not properly constructed the furnace had no fire in it at all, and if it had it could not have ventilated the mine. I made recommendations to rebuild this furnace and that a fire be kept in at all times while the men were in the mine. I also noted a door was needed at cross break leading into the furnace and a door at 2nd left entry was opened and was kept open. I recommended that this door be kept closed. The ditch that was dug to drain the drift mouth had been allowed to fill up, thus throwing the water up on the track and men were forced to wade through this water to and from their work. I recommended that condition be eliminated at once. Of course this is a pick mine; no shooting, only now and then, but there wasn't sufficient ventilation in the mine to support the 25 loaders and drivers. This is a small mine and can only run when the coal market is good.

WILLIE LIEW COAL COMPANY, Mine P. O. and Main Office, Pineville, Ky.

G. Ware, Superintendent and General Manager; T. R. Ware, President and Treasurer; Wm. Thompson, Mine Foreman.

Company is operating the Stray seam of coal. Mine is situated on the main line of the L. & N. R. R. Solid shooting, mule haulage. Coal hauled to outside and dumped into a large bend and then loaded into buckets and by aerial tramway and redumped into bend on the bottom, then loaded on railroad cars. I visited this mine on August 11th, 1922, and found the mine in very good condition as to ventilation, timbering and drain-

age; no dangerous roof conditions noted. This is a new mine opened up in 1922 and began running coal in 1922. Coal height 32 in. clear of parting.

LANDRUM COAL COMPANY, Mine P. O., Arjay, Ky.; Main Office, Pineville, Ky.

J. A. Lewis, Superintendent and General Manager; Smith Snow, Mine Foreman.

This company is working the St. Creek seam of coal. Mine is situated at Arjay, on the Straight Creek branch of the L. & N. R. R., about 4½ miles from Pineville, Ky. This mine was formerly a pick mine but has changed to machine, only small part being at present pick work. Coal height 36 to 38 in. clear of parting. This mine was examined by me on January 20, 1922, and found in very good condition as to the ventilation, timbering and drainage. No dangerous practices noted in or around the mine.

PIONEER COAL COMPANY, Mine P. O., Kettle Island, Ky.; Main Office, Louisville, Ky.

F. M. Sackett, President; W. S. Speed, Vice President; C. D. Major, Treasurer; J. F. Speed, Manager of Sales; C. S. Nield, General Manager; J. L. Frost, Superintendent; H. Grace, Mine Foreman.

This company is operating the St. Creek seam of coal. Mine located at Kettle Island, Ky., on the St. Creek branch of the L. & N. R. R., about 7 miles from Pineville. Coal height 36 to 38 in. clear of parting. Coal is mined with electric machines and is motor hauled; fan ventilation. I visited this mine some three or four times during the year, as on my previous visits I found two gas feeders in 2nd right off 9th right and one in head 9th right main. The feeder on 2nd right was on the entry coming from the roof, and the other one in the 9th right airway, also a small feeder later on developed in 9th right heading. I made a careful examination of this gas and asked that a qualified or experienced man be put in charge to look after this gas, which later was done, a man by the name of Bird, who held a class A certificate. Not long after this the mine closed on account of depression in the coal business, and when the mine resumed

operation the company failed to put the class A man back at his job without it being brought to my attention. As a result of failure to see that this gas was properly taken care of the company had two men burned by an explosion of the gas in airway of 9th right heading. An investigation of this explosion was ordered by the Chief Inspector, Mr. Blenkinsopp, on or about February 1st, 1922, by Mr. J. A. Lewis, assistant inspector, Lexington, Ky., Mr. Lacey Laxton, of Harlan, Ky., and R. D. Collett, assistant inspector, Pineville. A concrete statement of this investigation by the three inspectors will be found in the annual report of the Chief Inspector under the head of explosions and mine fires. Also gas was found on 14th right entry after this explosion on 9th right and was also investigated by the three inspectors mentioned above. They have driven an entry to the outside and have split the current, thus improving it wonderfully, and the gas is not now noticed. The 9th right entry is not working any more; the entry driven to the outside has taken care of this condition.

ROTH COAL COMPANY, Mine P. O., Arjay, Ky.

Main Office, Detroit; Branch Office, Pineville.

E. H. Jewett, President, Detroit, Michigan; E. L. Douglas, Vice President, Cincinnati, Ohio; L. H. Stone, Secretary-Treasurer, Cincinnati, Ohio; J. T. Bradley, General Manager, Pineville, Ky.

This company is operating the St. Creek seam. Coal is mined with electric machines; mule haulage to foot of slope where the empties drop into mine with rope, and are trammed by rope to tippie. Coal height 36 to 38 in. clean. This mine is situated on the St. Creek branch of the L. & N. R. R., about five miles from Pineville, Ky. I visited this mine on February 15th, 1922, and found the mine in good condition as to ventilation, timbering and drainage. On day of inspection I noted gas feeder on 3rd left entry in room 18 up at the face. This feeder was very weak but was burning some. I recommended that a break be cut up near the feeder so that the current would take care of this feeder to dilute and render it harmless. This was

done at once and recommendations complied with. Also the men were opening powder with picks, which I recommended be stopped at once. This has also been complied with.

PINNACLE COAL COMPANY, Mine N. O., Ralston, Ky.; Main Office, Middlesboro, Ky.

L. C. Gunter, President; J. L. Sanders, General Manager; C. H. Armstrong, Treasurer; C. C. Ramsey, Superintendent; S. Ramsey, Mine Foreman.

Company is working the Poplar Lick seam. Motor haulage; electric machines are used in the mining of coal. This mine is situated on the Stony Fork branch of the L. & N. & Southern R. R., about 8½ miles from the city of Middlesboro, Ky. Thickness of seam 5 ft. I visited this mine on November 8th, 1922. I made the following recommendations: To improve the ventilation on 12th right, as no reading could be taken in this entry on day of inspection; also I noted that the company was running gathering motors without any lights on them. I made recommendation that lights be kept on all motors working. I noted on main haulage roads that loose slabs of slate needed to be taken down or trimmed. I recommended that this be done. Drainage satisfactory.

COAL CREEK COAL COMPANY (Mine P. O., Ralston, Ky.; Main Office, Middlesboro, Ky.

This company is operating the Poplar Lick seam of coal. Coal height 36 to 38 in. clean coal. Mule haulage, fan ventilation. I visited this mine and found the mine in very good condition as to ventilation. Company has complied with recommendations and has cooperated with me in my work of inspection. Solid shooting.

W. L. CORRY COAL COMPANY, Mine P. O. and Main Office, Pineville, Kentucky.

W. L. Corry, President and General Manager; J. E. Suttle, Superintendent; R. B. Elliatt, Mine Foreman.

This company is operating the St. Creek seam. Mule haulage; thickness of seam 32 in; fan ventilation. This mine is situated on the Straight Creek branch of the L. & N. R. R., about

one-half mile from Pineville, Ky. I visited this mine on May 9th, 1922, and the following conditions were noted: Ventilation weak on 7th left and 9th right entries; no reading could be taken on these entries on account of leaky brattices. I also noted that doors, one at 7th left and at 6th right, were needed. Curtains in places worked where permanent stoppings should have been built to conduct the current up to last cross-cut at working face. I made recommendations that this be done to improve the ventilation on the entries mentioned above. This mine solid shooting.

A. JACK COAL COMPANY, Mine Office and Main Office, Pineville, Ky.

J. L. Manning, Superintendent and General Manager; Jim Mainard, Mine Foreman.

This company is working the Stray seam and is situated on the pike between Pineville and Middlesboro, Ky. Solid shooting and mule haulage. I visited this mine on March 22, 1922, and found the ventilation in very bad condition; timbering and drainage satisfactory. No dangerous roof conditions noted. I recommended that the ventilation be improved throughout the mine. The ventilation showed much neglect owing to the fact that the brattice work throughout the mine was in very bad shape; especially was this true on the intake current and return. I found on my visit to the mine a very incomplete furnace that looked like somebody was experimenting. I recommended that this furnace be rebuilt.

CASTRO MINING COMPANY, Mine P. O. and Main Office, Pineville, Ky.

F. C. Martin, Superintendent and General Manager; J. Y. Paige, President and Secretary-Treasurer; Wm. Thompson, Mine Foreman.

This company is working the Straight Creek seam of coal. Solid shooting and mule haulage. This mine was reopened in 1922 by the Castro Mining Company after mine had been closed for about one year, the company leasing this property from the Federal Coal Company. Fan ventilation for the old side of mine and furnace ventilation for the new opening. This mine

is located at Cary, Ky., on the Straight Creek branch of the L. & N. R. R., about two and a half miles from Pineville. I visited this mine on March 24th, 1922, and found the mine in very good condition as to ventilation, timbering and drainage. Old side of mine ventilation very good, but deficient on 1st left and main on new side. I recommended that the ventilation on these be improved so a reading could be taken. I also recommended that clay be taken into mine for men to tamp holes with.

COAL CREEK COAL COMPANY, Mine P. O., Ralston, Ky.;
Main Office, Middlesboro, Ky.

Mine is working the Poplar Lick seam of coal; height 36 to 38 in. Solid shooting, mule haulage. Mine situated on the Stony Fork branch of the L. & N. & Southern R. R., about six or seven miles from the city of Middlesboro, Ky. I visited this mine on November 9th, 1922, and found the mine in good condition as to ventilation, timbering and drainage. I made an inspection of this mine on March 25th, 1922. I revisited the mine and found the company had complied with all recommendations I had given.

NEW BELL JELLICO COAL COMPANY, Mine P. O., Bell Jellico, Ky., Main Office, Lexington, Ky.

W. MacJohnston, General Manager; T. D. Cassidy, President; T. J. Cassidy, Treasurer; J. M. Cox., Superintendent; Fred Winger, Mine Foreman.

This company is working the Dean seam of coal; height 5½ to 6 ft. Puncher machines and electric machines used in cutting of coal. Mule haulage. Coal is run down an incline in mine cars about 1,700 or 1,800 feet and loaded into railroad cars. This mine is located at Bell Jellico, Ky., on Greasy Creek branch of the L. & N. R. R., about six miles from Pineville, Ky. I visited this on March 9th, 1922, and found it in very good condition as to ventilation, timbering and drainage. I found on day of my inspection that a number of the men were opening up powder with their picks, which I warned the mine Foreman not to allow under any circumstances and to stop it at once. Puncher machine loaders 17, electric 4, pick miners 27.

JAYBEE JELLICO COAL COMPANY, Mine P. O., Tinsley, Ky.; Main Office, Pineville, Ky.

J. T. Bradley, Superintendent and General Manager; W. R. Raney, Chief Engineer; P. E. Nuckles, Traffic Manager; C. H. Harris, Superintendent; I. N. Fletcher, Mine Foreman.

This company is working the Dean seam. Situated on the Greasy Creek branch of the L. & N. R. R., about 5½ or 6 miles from Pineville, Ky. Coal is mined with electric machines and is motor halved to knuckle, where coal is lowered by aerial tramway to a wooden constructed tippie at bottom and then loaded in railroad cars. Coal is 38 to 40 in. in height, clear of parting of any kind. I inspected this mine on March 10th, 1922. Mine was in good condition as to ventilation, timbering and drainage and general safety conditions. This company has always cooperated with me in my work of inspection.

LIBERTY COAL COMPANY, Louisville, Ky.; Main Office; Mine P. O., Straight Creek; Branch Office, Pineville, Ky.

S. Thruston Ballard, President; M. S. Barker, Vice President; R. R. Atkins, General Manager; G. C. Clark, General Mine Foreman; F. C. Dyer, Assistant Mine Foreman; R. T. Kirk, Assistant Mine Foreman; Jim Ball, Assistant Mine Foreman; A. R. Anderson, Auditor.

This company is operating the St. Creek seam. Mine situated at Straight Creek, on the Straight Creek branch of the L. & N. R. R., about 2½ miles from Pineville, Ky. This company has three openings known as the Barker No. 2 and Jensen 3 and 4. Coal is mined by electric machines, motor haulage; thickness of seam 38 to 40 inches clear of parting, tippie height. Three grades of coal being loaded at mine, lump, egg and slack. Shaker screens used in the process of loading of coal. This mine produces a fine grade of lump coal. I visited it in 1922 and on day of inspection mine was in splendid condition as to ventilation, timbering and drainage. Dangerous roof noted on 5th left. I recommended that this slate be taken down and entry retimbered where timbers were broken; also manway to outside of Barker No. 2; dangerous roof noted about 400 feet from drift

mouth. I recommended that this slate be taken down at once. This recommendation was complied with and slate taken down, also 5th left was sealed and retimbered as requested by me.

COLEMAN MINING COMPANY, Mine, Blanch, Ky., P. O. and Main Office.

This company is working the Straight Creek seam. Coal is mined with Puncher machines, Harrison type No. 7. Motor haulage; thickness of seam 36 to 38 in. clear of parting; fan ventilation. This mine is situated on the Straight Creek branch of the L. & N. R. R., about five miles from the city of Pineville, Ky. I visited this mine on January 23rd, 1922, and found the mine in the following condition: Dangerous roof noted on 12th right, 14th right and north main, also center main. I recommended that these entries all be sealed at once and retimbered. Ventilation weak on the following entries: 12th right, 14th right and north main. I recommended that the ventilation be improved on these entries so a reading could be taken. Also I noted drainage bad on main haulage road. All of these conditions were eliminated after my inspection notice.

ATLAS COAL & MINING COMPANY, Mine P. O., Ralston, Ky.; Main Office, Middlesboro, Ky.

L. C. Gunter, President; J. L. Sanders, Vice President and General Manager; C. H. Armstrong, Treasurer and Sales Agent; Dan France, Superintendent; Obe Moreland, Mine Foreman.

This company is operating the Polar Lick seam of coal. Machine mine; coal is cut with electric machines and is gathered with mules and trammed to knuckle, then dumped into a bend and reloaded into a monitor and run down an incline about 1,700 or 1,800 feet and loaded into railroad cars. This mine is on the L. & N. & Southern R. R., about six or seven miles from Middlesboro, Ky. I visited this mine on March 30th, 1922, and found the mine in very good condition as to timbering and drainage, but ventilation deficient. I recommended that the work of making a brake from 9th right to 1st right be rushed in order that the current be changed from its old course and short circuit the current, thus doing away with the old brattices

that were leaking all the current out and returning it to the fan. This connection was made and the ventilation was greatly improved in the change. I also made recommendations in regard to mine supplies to be kept at the mine, first aid and other supplies. This company was some time in putting the mine in good condition owing to the fact that a new airway had to be made or driven. This company has always shown a willingness to cooperate in the work for better conditions in their mine.

LOG MOUNTAIN COAL COMPANY, Mine P. O., Harrison, Ky.; Main Office, Middlesboro, Ky.

John Hoffman, President; J. A. Downard, Vice President; John J. Cragg, Secretary; E. S. Helburn, Manager and Treasurer.

Mine working the Hignite seam of coal. Machine mine, motor haulage. Mine located at Harrison on Shenoah branch of the L. & N. R. R., about ten miles from Pineville, Ky. I visited this mine on February 22, 1922, and found the mine in the following condition as to ventilation, timbering and drainage: Ventilation deficient on all entries except 2nd right. I recommended that the ventilation be improved on all the entries working; also recommended that the brattices be repaired from drift mouth to head of main entry, as these brattices were leaking, so that what current was going into mine was just returning to the fan and not reaching the men at working face at all. These instructions were complied with on my return visit to the mine and conditions in general were improved.

CAIN COAL COMPANY, Mine P. O., Cary, Ky.; Main Office, Middlesboro, Ky.

H. A. Brooking, Receiver, Pineville, Ky; J. D. Cane, Superintendent and Mine Foreman.

This mine is working the St. Creek seam coal; height 32 to 34 in. clean coal. Coal is shot from solid, black powder being used in the shooting of coal. Mule haulage; drift mine. Mine is situated on Straight Creek branch of the L. & N. R. R., about 2½ miles from the city of Pineville. I visited this mine on May 18th, 1922, and found it in the following condition as to ventila-

tion, timbering and drainage: Timbering and drainage very good, ventilation weak on the two entries working on account of brattices leaking. I recommended that a door be built on main or John Brown entry; go over your brattices on entries where no reading could be taken, and overhaul same. Company has cooperated with me in my work.

BAILY COAL COMPANY, Mine P. O. and Main Office, Arjay, Kentucky.

Custer Baily, President and General Manager; Cleveland Baily, Superintendent and Mine Foreman.

Company is working the Straight Creek seam; thickness of seam 38 to 40 in. Mule haulage, solid shooting, black powder used in the production of coal. This mine is located at Blanch, Ky., on the Straight Creek branch of the L. & N. R. R., about four miles from Pineville. I visited this mine on May 17th, 1922, and will say that conditions were very good as to ventilation, timbering and drainage. This mine is ventilated by a fan driven by a gasoline engine. This company has always cooperated with me.

KENTUCKY STRAIGHT CREEK COAL COMPANY, Mine P. O., Pineville, Ky.; Main Office, Pineville, Ky.

E. Suttle, President and General Manager; Robert Woolum, Mine Foreman

Mine is working the Straight Creek seam. Solid shooting, mule haulage. Mine is situated on the Straight Creek branch of the L. & N. R. R., about three miles from Pineville, Ky. Coal height 38 to 40 in.; drift mine. I visited this mine on May 19th, 1922, and found the mine in very good condition as to ventilation, timbering and drainage. This company has always cooperated with me in my work.

CONANT COAL COMPANY, Mine P. O. and Main Office, Pineville, Kentucky.

M. D. Bell, President and General Manager; Edd Purcifull, Superintendent; Jas. Hamton, Mine Foreman.

Mine is working the Straight Creek seam. Coal is shot from the solid; mule haulage. Coal height 38 to 40 in.; drift mine.

Mine is situated on the Straight Creek branch of the L. & N. R. R., about $3\frac{1}{2}$ miles from Pineville. I visited this mine on May 19th, 1922, and conditions in general were very good as to ventilation, timbering and drainage. I found practically all the men opening powder with picks. I recommended that this practice be stopped at once. Some of the men were not timbering in room work as they should. I recommended that the mine foreman see that sufficient timbers be set in all room work with due safety to the men working. This mine is ventilated by a furnace. Mine has two openings, Nos. 1 and 2. I recommended that the ventilation be improved in No. 2 side of mine. Company has cooperated.

GOOCH COAL COMPANY, Mine P. O. and Main Office, Pineville, Ky.

G. M. Ware, Superintendent; T. R. Ware, President and General Manager; Wm. Thompson, Mine Foreman.

This company is operating the St. Creek seam. Solid shooting, mule haulage, drift. This mine is located at Arjay, Ky., on the Straight Creek branch of the L. & N. R. R., about $3\frac{1}{2}$ miles from Pineville. Thickness of seam 36 to 38 in. I visited this mine on May 10th, 1922, and made the following recommendation: That you improve your ventilation throughout your mine. I found on the day of my inspection that this company was trying to ventilate this mine with a small furnace, with their brattice work in very bad condition, and owing to the development of this mine the furnace was unable to ventilate the workings as they should have been. I recommended that the company get a fan, which they did in very short time, thus relieving the situation as to the ventilation. This company has cooperated with me in my work as inspector of mines.

MOSS FEDERAL COAL COMPANY, Mine P. O., Arjay, Ky.; Main Office, Pineville, Ky.

Ray B. Moss, President and General Manager; Marcellas J. Moss, Secretary and Treasurer; Lenzy McBrayer, Mine Foreman; E. E. Hughes, General Mine Foreman.

This company is operating the St. Creek seam. Mine is located at Arjay, Ky., on the Straight Creek branch of the L. &

N. R. R., about $3\frac{1}{2}$ miles from Pineville, Ky. This is an electric machine mine. Coal height 36 to 38 in. clean coal; fan ventilation, motor haulage. This company has since my inspection changed from the Federal Coal Company to the Moss Federal Coal Company. The company has taken over the Glenden mine, also the Cary mine with three openings, Glenden making four. The company is also operating the old Indian Creek mine on Fourmile Creek. I visited this mine on May 11th, 1922; and found the mine in very good condition as to timbering and drainage. Ventilation good with exception of the following entries: 15th right, 13th right, 13th left, 12th left, 3rd right main. No reading could be taken on these entries on day of inspection. I recommended that the ventilation be improved on all these entries so a reading could be taken to comply with the law. I noticed on day of inspection there were no trappers on some of the doors, and when motors were gathering trips or giving empties away that the doors would stand open while this was being done. I asked the mine foreman to see that these doors were kept shut, as this condition deranged the whole current in the mine. The company put on sufficient trappers to keep doors shut after I was through the mine. This company has cooperated with me in my work, and I will say that the safety conditions in this mine are very good.

MOSS FEDERAL COAL COMPANY, Mine P. O., Cary, Ky.;
Main Office, Pineville, K.

Ray B. Moss, President and General Manager; Marcilas J. Moss, Secretary and Treasurer; Robert Brown, Mine Foreman.

This mine is located at Cary, Ky., on the Straight Creek branch of the L. & N. R. R., about $2\frac{1}{2}$ miles from Pineville, Ky. This mine has three openings, all dumping over one tippie. Output about 300 to 400 tons per day. Machine mine; coal is cut with electric machines. Motor haulage in new mine and mule haulage in Nos. 1 and 2 openings. I visited this mine on May 12th, 1922, and found the mine in good condition as to ventilation, timbering and drainage and safety conditions in general. This company has demonstrated a willingness to cooperate at all times with the State Department of Mines.

M. J. MOSS, JR., COAL COMPANY, Mine P. O., Fourmile, Ky.; Main Office, Pineville, Ky.

M. J. Moss, Jr., Vice President and General Manager; Ray B. Moss, President; Chas. Marler, Mine Foreman.

This company is operating the Rim seam on Fourmile Creek. At present this is wholly mule haulage, but the company is going to install motor haulage, gather with mules and tram with motor. Thickness of seam 34 in. to 36 in. clean coal. At present solid shooting, black powder being used in the production of coal. This mine is located about five miles from Pineville, Ky., on the L. & N. R. R. Fan ventilation, electrically driven. I visited this mine in 1922, and as to ventilation, timbering and drainage, the ventilation was weak on No. 1 main and 3rd left; drainage good; timbering fair. I recommended that the ventilation be improved in the two entries mentioned above. Company has complied with these instructions and has cooperated in every way.

CONGRESS COAL COMPANY, Mine P. O., Shamrock, Ky.;
Main Office, Middlesboro, Ky.

Ray Moss, President; H. C. Moss, Superintendent; H. M. Gordan, Treasurer; R. J. Turner, Mine Foreman.

This company is operating the Lower Hignite seam on a branch line of the L. & N. & Southern R. R., about eight miles from the city of Middlesboro, Ky. Mule haulage; solid shooting, black powder being used in the production of coal. Fan ventilation, fan being driven by gasoline engine. I visited this mine on November 23rd and found it in fine condition as to ventilation, timbering and drainage. Company has always cooperated in every way possible.

CRYSTAL COAL COMPANY, Mine P. O., Logmont, Ky.; Main Office, Knoxville, Ky.

L. C. Gunter, President; J. L. Sanders, Vice President and General Manager; C. H. Armstrong, Treasurer and Sales Agent; G. H. Ramsey, Superintendent; D. Sanders, Mine Foreman.

This company is operating the Poplar Lick seam, 53 in. in thickness. Drift mine, tippie height, and is mined by electric

machines for all machine work. Black powder being used in the production of coal. This mine is located about ten miles from the city of Middlesboro, Ky., on L. & N. & Southern R. R. I visited the mine on October 19th, 1922, and found it in fine condition as to ventilation, timbering and drainage. Company has complied with my recommendations and has cooperated at all times with the Department of Mines. Coal is gathered with mules and trammed by motor to tipple.

CLIMAX COAL COMPANY, Mine P. O., Shamrock, Ky.;
Main Office, Middlesboro, Ky.

E. L. Johnson, General Manager; L. W. Yeary, Superintendent; R. L. Pridemore, Mine Foreman.

This company is operating the Jack Rock and Sterling seams of coal. Thickness of seam in upper seam 3 ft. to 46 in., Jack Rock seam 38 to 40 in. Machine and pick mine. Machine loaders 64, pick 16. Coal is mined with electric machines with the exception of the 16 pick men mentioned above. Coal is gathered with mules and trammed by motors, Fan ventilation, electrically driven. Draft mine with an incline of about 1,800 feet. This mine is located on the L. & N. & Southern R. R., about five miles from the city of Middlesboro. I visited the mine on November 22, 1922, and found it in very good condition as to ventilation, timbering and drainage. The company has complied with recommendations and has cooperated at all times with the Department of Mines.

YELLOW CREEK COAL COMPANY, Mine P. O., Bosworth, Ky.; Main Office, Middlesboro, Ky.

E. S. Helburn, President; George Veal, Superintendent; Richard Ramey, Treasurer; Tom Himbree, Mine Foreman.

This company is operating the Sterling seam. Thickness of seam 4 ft. Coal is mined with electric machines, black powder being used in the production of coal. Coal is gathered by motors and trammed to the outside by a 10-ton gen. electric motor. I visited this mine on November 23rd, 1922, and found it in splendid condition as to ventilation, timbering and drain-

age. This mine shows great improvement by the present management, great care being taken in the progress or development of the mine.

This mine is situated on the L. & N. & Southern R. R., about five miles from the city of Middlesboro, Ky. This company has cooperated at all times with me in my work as an inspector.

EAST POINT COAL COMPANY, Mine P. O., Bosworth, Ky.;
Main Office, Middlesboro, Ky.

J. L. Sprangler, Superintendent; C. T. Davis, Mine Foreman.

This company is operating the Winona seam. Thickness of seam 42 to 43 in. Coal shot from the solid with coalite. Fan ventilation electrically driven. This mine is located at Bosworth, Ky., on the L. & N. & Southern R. R., about 3 miles from the city of Middlesboro, Ky. I visited this mine and found it in very bad condition in regard to ventilation. The company was trying to ventilate the mine by means of a badly constructed furnace, which was impossible on account of the development of the mine. I recommended a fan be bought to ventilate the mine, which was done at once. I gave the company 20 days to do this. On my return visit I found the mine in fine condition. Wholly mule haulage. The company has cooperated with the Department of Mines.

HAWLEY COAL COMPANY, Mine P. O., Ralston, Ky.; Main
Office, Middlesboro, Ky.

W. O. Pollard, Superintendent and General Manager; W. E. Price, President; W. O. Pollard, Secretary and Treasurer; M. Cecil, Mine Foreman.

This company is operating the Jack Rock seam; solid shooting. Black powder is used in the shooting of coal. Mule haulage. Thickness of seam 36 to 38 in. I visited this mine on November 16th and found it in good condition as to ventilation, timbering and drainage. This company has always shown a desire to cooperate with me in my work. The mine is situated on the L. & N. & Southern R. R., about eight miles from Middlesboro, Ky. Coal is loaded run of mine.

HIGNITE COAL & M. C. COMPANY, Mine P. O., Ralston, Ky.; Main Office, Middlesboro, Ky.

John Hoffman, President; J. A. Downard, Vice President; John J. Craig, Secretary; E. S. Helburn, Manager and Treasurer.

This company is operating the Polar Lick seam; coal height 4½ ft. Coal is mined with electric machines. Coal is gathered with mules and trammed to outside by motors. Fan ventilation, electrically driven. I visited this mine on November 17th, 1922, and found it to be in very good condition as to timbering and drainage. Ventilation weak on 1st L and 2nd L; rest of mine ventilation fair.

I recommended that a walk be built around Shaker screen so employes would not be forced to go over screen while in operation, and that ventilation be improved in 1st L and 2nd L so a reading could be taken; also recommended that main haulage road be sealed in No. 1 opening. Go over your brattices on your intake current in same opening and repair them. This company has demonstrated at all times a desire to cooperate with me in my work. The mine is on the L. & N. & Southern R. R.

FIDELITY COAL COMPANY, Mine P. O., Meldrum, Ky.; Main Office, Middlesboro, Ky.

Joe Ralston, President and General Manager; Crag Ralston, Superintendent.

This company is operating what is known as the Excelsior seam. Pick mine, mule haulage. This is a shaft mine. There are only two shaft mines in my district, the Low Ash Coal & Mining Company operating the other. Ventilation, timbering and drainage good. This company has cooperated with me in my inspection work at all times. The mine is located on the main line of the L. & N. R. R., about six or seven miles from Pineville, Ky.

(Date of inspection June 24th, 1922.)

LOW ASH COAL & MINING COMPANY, Mine P. O., Meldrum, Ky.; Main Office, Middlesboro, Ky.

F. D. Hart, Jr., President; E. R. Short, Vice President and General Manager; J. L. Purell, Treasurer.

This mine is working the Excelsior seam. Coal is gathered with mules and trammed to shaft bottom by motors. Coal height 36 in. clean coal. Machine and pick mine. I visited this mine on June 23rd, 1922, and found the mine in very good condition as to timbering, drainage; ventilation fair. Ventilation good on 3rd left and west main, but weak on 2nd west, 3rd right, 4th right and 5th right. I recommended that the ventilation be improved on these entries so a reading could be had; also a door at 3rd right west main. Build new stoppings on west main. Go over your brattices on west main and repair same where brattices are now leaking. All other conditions satisfactory. Hoisting equipment in good condition as to safety.

BIG BUCK COAL COMPANY, Mine P. O. and Main Office, Middlesboro, Ky.

Dr. T. Evans, President; Shelton Evans, Superintendent and General Manager; John Mays, Mine Foreman.

This company is working the Poplar Lick seam of coal. Located at old Excelsior station on the main line of L. & N. R. R., about two miles from Middlesboro. Coal height from 5 to 6 ft. Solid shooting and mule haulage; drift mine. Furnace ventilation. I visited this mine in 1922 and the ventilation, timbering and drainage were very good. I made recommendations to rebuild furnace. Company has complied with recommendations and has cooperated with me.

SEWELL JELLICO COAL COMPANY, Mine P. O. and Main Office, Pineville, Ky.

R. Lane, President and General Manager; Forester Lane, Superintendent and Mine Foreman.

Lane Brothers leasees of this mine in 1922. This company is operating the Straight Creek seam of coal. Mule haulage and solid shooting. Mine is located at Fourmile on main line of L. & N. R. R. I visited the mine in 1922 and found it in very good condition as to ventilation, timbering and drainage. This company has cooperated with me in my work.

NEW RAVEN COAL COMPANY, Mine P. O. and Main Office,
Pineville, Ky.

Laws Duff, Mine Foreman.

This company is operating the Straight Creek seam of coal. Thickness of seam 34 to 36 in. Solid shooting and mule haulage. I visited this mine on May 31st, 1922, and found it in very good condition as to ventilation, timbering and drainage. I made the following recommendations: Keep close watch on men opening powder with picks, and improve your ventilation on 1st left entry. Company has complied with these recommendations and has cooperated with me and the State Department of Mines.

HIBBARD COAL COMPANY, Mine P. O. and Main Office,
Fourmile, Ky.

Jas. Hibbard, Superintendent and General Manager; Bob Miller, Mine Foreman.

This company is working the Raven or Fourmile seam. Coal height 36 inches. Mule haulage, solid shooting. Mine situated on main line of the L. & N. R. R. I visited this mine several times during the year 1922. On my first visit to it I found the ventilation very bad. I gave them twenty days' notice to improve this condition, and on my second visit I found that the company had not complied with my recommendations in that they had failed to build a number of doors and permanent stoppings to conduct the current to last cross-cut. I also recommended that the company construct a new furnace, and that was not done until my third visit to the mine. The ventilation has been greatly improved in the building of the doors and permanent brattices and the building of a new furnace.

UTILITY GAS COAL COMPANY, Mine P. O. and Main Office,
Pineville, Ky.

This company is working the Straight Creek seam. Machine mine, with mule haulage. Thickness of seam 38 in. to 40 in. clean coal. This mine is located on Fourmile Creek, about five miles from Pineville, Ky., on the L. & N. R. R. I visited the mine on May 26th, 1922, and found it in good condition as

to ventilation, timbering and drainage. This company has always cooperated with the State Department of Mines in every way possible.

NEW STRAIGHT CREEK COAL COMPANY, Mine P. O.
and Main Office, Pineville, Ky.

Frank Gibson, Manager; J. S. Moore, Mine Foreman.

This company is working the St. Creek seam. Coal height 32 in. to 36 in. Solid shooting and mule haulage. This mine is run by Mr. Frank Gibson, of Pineville, receiver of the property. I visited this mine on May 25th, 1922, and found it in very good condition as to ventilation, timbering and drainage, with the exception of main and 7th left. No reading could be taken at last cross-cut on these two entries. I recommended that a certified mine foreman be put in charge of this mine as there was no one at that time who held a certificate at the mine. This was complied with at once. I noticed very nearly all the men resorted to picks in the opening of powder in the mine, which I warned the mine foreman not to allow under any conditions. This practice has been eliminated. This mine is situated on the St. Creek branch of the L. & N. R. R., two miles from Pineville.

J. B. STRAIGHT CREEK COAL COMPANY, Mine P. O. and
Main Office, Pineville, Ky.

J. T. Bradley, General Manager; W. R. Raney, Chief Engineer; P. E. Nuckols, Traffic Manager; F. McCoy, Mine Foreman for this mine.

This company is operating the St. Creek seam. Mine is located on Fourmile Creek, about 5½ miles from Pineville, Ky. Machine mine, motor haulage and fan ventilation. I was at this mine on May 26th, 1922, and found the mine in good condition as to ventilation, timbering and drainage, and general safety conditions very good. This company has always cooperated with me in my work as an inspector. The mine is located on a spur track of the L. & N. R. R. This company owns six mines, all in Bell County.

LONG WALL MINING COMPANY, Mine P. O. and Main Office, Pineville, Ky.

R. N. Preston, President and General Manager; Jas. Gabbard, Superintendent; Miss Grigory, Secretary and Treasurer.

This company is working the St. Creek seam. Mule haulage, solid shooting; drift mine. Furnace ventilation. Black powder is used in the production of coal. I visited this mine on May 24th, 1922, and found it in very good condition as to ventilation, timbering and drainage. This mine is located on Dortans branch, a spur track of the L. & N. R. R., about one mile from Pineville. This mine was leased by the Long Wall Mining Company in 1922.

HOUSE CLOYD COAL COMPANY, Mine P. O., Viva, Ky.; Main Office, East Bernstadt, Ky.

This company is operating the Pittsburg seam. Solid shooting, mule haulage; drift mine. Mine located at Viva, on the A. & M. R. R., three miles from East Bernstadt, Ky. The mine was examined by U. D. Williams, assistant inspector for the 5th district, by order of the Chief Inspector, Mr. L. Blenkinsopp.

(Date of inspection, August 2nd, 1922.)

HORSE SHOE COAL COMPANY, Mine P. O., Viva, Ky.; Main Office, East Bernstadt, Ky.

This company is operating the Pittsburg seam. Solid shooting, mule haulage; drift mine. Mine located at Viva, on the A. & M. R. R., three miles from East Bernstadt, Ky. The mine was inspected by Mr. U. D. Williams, assistant inspector for the 5th District, by order of the Chief Inspector, Mr. L. Blenkinsopp, on August 4th, 1922.

The coal height for all these mines in Laurel County runs from 30 in. to 36 in.; slate top and bottom clear of parting. Only two fans in this field; the rest all furnaces.

FRANTZ JELLICO COAL COMPANY, Mine P. O., Farriston, Ky.; Main Office, Saint Lewis, M. O.

B. Rich, President, Secretary and Treasurer; J. U. G. Rich, Vice President and General Manager; J. M. Hurst, Mine Foreman.

This company is operating the Horse Creek seam. Solid shooting, mule haulage. Mine is on Laurel River, a spur track of the L. & N. R. R. This is a slope mine, and thus throws lots of water, and pumps seem to be unable to take care of this situation in the mine. On day of inspection of the mine it was necessary for me to wear a pair of gum boots to get into the mine, the water being up above the rail. I found the ventilation in very bad condition, also the brattice work was in very bad condition. Notwithstanding the fact the company had a 52-inch disk fan large enough to produce the required amount of ventilation, it was being run by steam engine making about half the speed it should. I made recommendations to improve the ventilation, as I only got one reading in the mine on 1st left close to the fan. I recommended that the water be taken off of the main line and out of working places. I stopped No. 1 room on 3rd right, as this room had been turned on the left side of the entry and had cut into the main entry. I found the company operating without a certified mine foreman. I at once took this matter up and insisted that the company secure a certified man. This was on the eve of the examination to be held in Lexington, Ky., so the man in charge took the examination and made a passing grade, so this relieved this matter. On day of inspection I found no second opening, which I ordered to be started at once to comply with the law.

NEW DIAMOND COAL COMPANY, Mine P. O. and Main Office, East Bernstadt, Ky.

J. E. Jones, President and General Manager; R. D. Jones, Superintendent and Mine Foreman.

This company is operating the Pittsburg seam. Thickness of seam 34 in. Solid shooting, mule haulage, furnace ventilation; drift. This mine is located at Viva, Ky., on A. & M. R. R., about 2½ miles from East Bernstadt. I visited the mine on August 3rd, 1922. I found the mine in very bad condition as to ventilation, although the timbering and drainage were well up to the standard. I found a number of old-fashioned iron tampering bars in the mine, also men were opening powder right along with their picks. I recommended that the ventilation be improved throughout the mine so a reading could be taken on

every entry in the mine at the last cross-cut in all headings. I also recommended that all iron tamping bars be taken out of mine at once, and all men be stopped from opening up powder with their picks. I insisted that the company put a penalty on the practice of opening powder in this way and that all men be compelled to live up to the rules in this matter, if it took discharging every man who did it.

This mine had no second opening, only the furnace outlet, so recommended that the 4th left entry be rushed to the outside for this second opening. I gave the company twenty days to comply with these recommendations according to the State mining law, and on my return visit on September 15th, 1922, I found the mine to be greatly improved in regard to ventilation and safety conditions. The company was carrying out my recommendations as fast as they could get to them. I greatly appreciate the splendid cooperation I received by this company in regard to the recommendations just mentioned.

J. E. STRINGER COAL COMPANY, Mine P. O. East Bernstadt, Ky.; Main Office, London.

J. E. Stringer, President and General Manager; J. T. Edens, Mine Foreman.

This company is operating the Pittsburg seam. Solid shooting, mule haulage; drift mine. Mine located at Viva, on the A. & M. R. R., about three miles from East Bernstadt, Ky. I made an inspection of this mine on August 2nd, 1922. Found the mine being ventilated by a small basket hung up in the return airway, with the top not brushed or taken. I could hardly get in to see on account of the low seam, only 30 inches in height. I could not get a reading on the intake, much less in the last cross-cut. I should have closed this mine down at the time of inspection, but I am always willing to give a chance to do something, so I gave this company twenty days to improve this condition. On my second visit to the mine on September 15th, 1922, I found the mine greatly improved over my first inspection of August 2nd. The company had made a breakthrough to another entry into an old opening nearby, thus improving the ventilation

in all the workings. This company was also changing the furnace around to the old opening just mentioned, where a more suitable place was found for the furnace.

FERNIE COAL COMPANY, Mine P. O. and Main Office, East Bernstadt, Ky.

Lee Coldwell, President and General Manager; Chas. Williams, Superintendent; Wash Hensley, Mine Foreman.

This company is operating the Pittsburg seam. Solid shooting, mule haulage; drift mine. Mine located at Viva on the A. & M. R. R., about three miles from East Bernstadt, Ky. I visited this mine on August 2nd, 1922. I found the mine ventilated by a small basket hung in the return or outlet, and had this basket been sufficient to have done the work it would have been impossible to have ventilated the mine on account of the brattices being in such bad condition. I gave the company a twenty days' notice to take this basket out and to construct furnace and to build the necessary brattices.

I made another inspection of this mine on September 14th, 1922, and found the furnace built I had asked for and the brattice work all in fine condition throughout the mine. Where I was unable to get a reading on the intake on my first inspection I got a reading of 12,000 cubic feet of ventilation, and a good reading was taken in every cross-cut on every entry. I made a recommendation that a second opening be made, and they were at work on this when I made the last inspection. I greatly appreciate the kind cooperation I have received at the hands of this company.

McNEAL COAL COMPANY, Mine P. O. and Main Office, East Bernstadt, Ky.

This mine working the Pittsburg seam of coal. Solid shooting, mule haulage; drift mine. This mine is located at Viva on the A. & M. R. R., about — miles from East Bernstadt, Ky. This mine was examined by Mr. U. D. Williams, assistant inspector for the 5th district, by order of the Chief Inspector, Mr. L. Blenkinsopp.

(Date of inspection, August 2nd, 1922.)

BEATY COAL COMPANY, Mine P. O., Viva, Ky.; Main Office
Office, East Bernstadt, Ky.

This mine is working the Pittsburg seam. Solid shooting, mule haulage; drift mine. Mine is located at Viva on the A. & M. R. R., about three miles from East Bernstadt, Ky. The mine was examined by Mr. U. D. Williams, of the 5th district, by order of the Chief Inspector, Mr. L. Blenkinsopp.

(Date of inspection, August 4th, 1922.)

GOOSE CREEK COAL COMPANY, Mine P. O., Viva, Ky.;
Main Office, London, Ky.

This company is operating the Pittsburg seam of coal. Solid shooting, mule haulage; drift mine. This mine is located at Viva on the A. & M. R. R., three miles from East Bernstadt. This mine was examined by Mr. U. D. Williams, of the 5th district, by order of the Chief Inspector, Mr. L. Blenkinsopp.

(Date of inspection, August 4th, 1922.)

MOUNTAIN GEM COAL COMPANY, Mine P. O., Viva, Ky.;
Main Office, East Bernstadt, Ky.

Company is operating the Pittsburg seam. Solid shooting, mule haulage; drift mine. Mine is located at Viva on the A. & M. R. R., three miles from East Bernstadt, Ky. This mine was examined on August 5th, 1922, by Mr. U. D. Williams, of the 5th district, by order of the Chief Inspector, Mr. L. Blenkinsopp.

MANCHESTER COAL COMPANY, Mine P. O. and Main Of-
fice, Sibert, Ky.

J. W. Lamb, General Manager; S. S. Douglas, Superintendent and Mine Foreman.

This company is working the Horse Creek seam of coal. Solid shooting, mule haulage; coal height 28 to 40 inches. Mine is situated on the Cumberland & Manchester R. R., on Horse Creek about 3½ miles from Manchester, Ky. I visited the mine on August 28th, 1922, and found it in very good condition as to ventilation, timbering and drainage. I recommended that a door be built at the mouth of third left, also build a new brattice

in first breakthrough on left side of 3rd left. Rush work on breakthroughs on 1st left and 3rd left for air. Stop men from the dangerous practice of opening up powder with picks. Order a first aid kit at once and keep at mine.

MORNING GLOW COAL COMPANY, Mine P. O. and Main
Office, Hima, Ky.

W. M. Marcum, Superintendent and General Manager; J. L. Drake, Mine Foreman.

This company is operating the Horse Creek seam of coal; height 38 to 42 inches; mule haulage, solid shooting. Mine is situated on the C. & M. R. R., about three miles from Manchester, Ky. I visited this mine on August 28th, 1922, and found the mine in fine condition as to ventilation, timbering and drainage. I noted on day of inspection that the major part of the loaders were opening up powder kegs full of powder with their mine picks, which I asked to be stopped at once. No dangerous roof condition noted.

GOOSE CREEK COAL COMPANY, Mine P. O. and Main Of-
fice, Hima, Ky.

S. Brown, Superintendent and General Manager.

Company is working the Horse Creek seam. Solid shooting, mule haulage. Coal height 30 in. This mine is situated on the C. & M. R. R., about three miles from Manchester, Ky. I visited the mine on August 28th, 1922. On day of inspection I found the men opening up powder with their picks, which I made recommendations to be stopped at once. Ventilation on 1st right and 1st left was very weak. I recommended that this ventilation be improved on these entries so a reading could be taken to comply with the law. Build door at mouth of 1st left to conduct current up this entry to last cross-cut in heading.

GREGORY BRANCH COAL COMPANY, Mine P. O. and Main
Office, Sibert, Ky.

This company is operating the Horse Creek seam. Solid shooting, mule haulage; coal height 32 in. to 36 in. This mine located at Sibert, Ky., on the C. & M. R. R., about 3½ miles from Manchester on Horse Creek. I visited the mine on August

27th, 1922, and the following conditions were noted: Ventilation weak on the following entries: 3rd right main entry and 3rd left headings. This was due partly to the brattices and the rest to having a furnace very badly constructed. I found that the mine had 27 coal loaders or miners and no certified mine foreman in charge of the mine. I recommended that a certificated mine foreman be put on at once to take charge of the mine. I also recommended the ventilation be improved in main heading before any men were placed in that entry, as the brattice was a number of breakthroughs behind, also on 3rd right and 3rd left. I found the major part of loaders opening up powder with picks which I ordered cut out at once. I found no first aid kit at the mine. I recommended that this be gotten at once.

HORSE CREEK COAL COMPANY, Mine P. O., Hima, Ky.;
Main Office, Grays, Ky.

W. H. Lee, General Manager; C. H. Botner, Mine Foreman.

This company is operating the Horse Creek seam. Solid shooting, mule haulage; coal height 29 to 47 inches. This mine located at Hima, on the C. & M. R. R., about 3½ miles from Manchester, Ky. I visited this mine on August 28th, 1922, and the following conditions were noted: Notwithstanding the fact that the mine had a 4-foot disk fan producing 13,200 cubic feet of air per minute, I only got one reading in the mine on 5th left. This was due to the brattices being in bad condition. Thus the 13,200 cubic feet of air was short-circuiting back to the fan and not reaching the working face at all. I found 33 loaders in this mine and the foreman had no certificate. I recommended that the ventilation be improved at once so a reading could be taken on every entry at the last cross-cut. Build a door on 7th right, door needed at 4th right on main. Build permanent brattices on main from your pumps to last open break in heading of main entry; remove all curtains from places worked out. Do not place any men in main entry until brattice work is up to standard. Do not allow men to open powder with picks. A permit was granted to the man in charge until the board meets for mine foremen's certificates.

KENNESAW COAL COMPANY, Mine P. O., Sibert, Ky.;
Main Office, Barbourville, Ky.

Cris Smith, President; Wm. Riley, Superintendent and General Manager; C. M. Kelly, Mine Foreman.

This company is operating the Horse Creek seam. Solid shooting, mule haulage. This mine is located at Sibert, on the C. & M. R. R., about 3½ miles from Manchester, Ky. I visited the mine on August 26th, 1922, and found it in good condition in every respect. Ventilation very good throughout the mine.

CLAY COUNTY COAL COMPANY, Mine P. O. and Main Office, Hima, Ky.

This company is operating the Horse Creek seam. Mule haulage, solid shooting. Mine is located at Hima, on the C. & M. R. R., about three miles from Manchester, Ky.

This mine was inspected by Mr. U. D. Williams from the 5th district on July 29th, 1922. This county formerly had been inspected by the inspector from the 3rd district, but as it was given me and on account of the number of mines in my district being a few more than Mr. Williams had in the 3rd district the Chief Inspector, Mr. Blenkinsopp, had Mr. Williams make some inspections in Clay and Laurel counties with me jointly.

FURNACE GAP COAL COMPANY, Mine P. O., Hima, Ky.;
Main Office, Knoxville, Tenn.

This mine is operating the Horse Creek seam. Mule haulage, solid shooting; coal height 44 inches. This mine is located at Hima, Ky., on the C. & M. R. R., about three miles from Manchester, Ky. The mine was inspected by Mr. U. D. Williams from district 5 on July 28th, 1922.

GOLDEN & DRAKE COAL COMPANY, Mine P. O. and Main Office, Sibert, Ky.

This mine is working the Horse Creek seam. Mule haulage, solid shooting. Mine is located at Sibert, Ky., on the C. & M. R. R., three miles from Manchester, Ky., and was inspected by Mr. U. D. Williams, inspector from district 5, on July 26th, 1922.

T. G. ALLEN COAL COMPANY, Mine P. O. and Main Office,
Sibert, Ky.

This company is working the Horse Creek seam. Solid shooting, mule haulage. Mine is located at Sibert, on the C. & M. R. R., about $3\frac{1}{2}$ miles from Manchester, Ky. This mine was inspected by Mr. U. D. Williams, the inspector for the 5th district, on July 27th, 1922.

COLUMBIA PANAMA COAL COMPANY, Mine P. O. and
Main Office, Manchester, Ky.

This company is working the Goose Creek seam of coal. Solid shooting, mule haulage. Mine is situated on Goose Creek. Coal is trammed by dinky engine to Manchester, where it is loaded in railroad cars. This company is no longer operating, having sold to the Highland Coal Company, which is at present running this mine. The mine was not inspected in 1922 because it was closed when I visited this company in July, 1922, there being a lawsuit in progress at that time in regard to the property.

HUGHES HORSE CREEK COAL COMPANY, Mine P. O.,
Sibert, Ky.; Main Office, Barboursville, Ky.

This company is operating the Horse Creek seam. Solid shooting, mule haulage. Mine is located at Sibert, on the C. & M. R. R., $3\frac{1}{2}$ miles from Manchester, Ky. This mine was inspected by Mr. U. D. Williams on July 27th, 1922.

SUN COAL COMPANY, Mine P. O. and Main Office, Sibert, Ky.

This company is operating the Horse Creek seam. Solid shooting, mule haulage. Mine is located at Sibert, on the C. & M. R. R., $3\frac{1}{2}$ miles from Manchester, Ky. This mine was not examined in 1922.

N. U. COAL COMPANY, Mine P. O. and Main Office, Flat
Lick, Ky.

Jas. Hibbard, Superintendent and Mine Foreman.

This company is working the Blue Gem seam. Mine is situated on a spur track of the L. & N. R. R. Solid shooting, mule haulage and furnace ventilation. I did not inspect this

mine in 1922 owing to the fact that the mine was not running the first five or six months of the year when I was visiting the other mines in Knox County. This company has taken the name of the Sun Coal Company, there being no company now by that name in Knox County.

ANCHOR MINE CONSOLIDATION COAL COMPANY, Mine
P. O., Anchor, Ky.; Main Office, Coalwood, W. Va.

Mine is working the Dean seam, 36 to 40 in. Motor haulage, machine mine. Coal is mined with electric machines; fan ventilation. Mine is located at Anchor, Ky., on the Cumberland road, about three miles from the Warren mine. I visited this mine in 1922 and found it in good condition as to ventilation, timbering and drainage and safety conditions in general. This company has cooperated with me and the State Department of Mines.

WHEELER COAL COMPANY, Mine P. O., Trospers; Main
Office, Knoxville, Tenn.

R. L. Wheeler, President and General Manager; Ross Wheeler, Vice President; Dinver Bain, Mine Foreman.

This company is working the Dean seam of coal. Pick and machine mine, about half pick and one-half machine miners, 20 pick miners and 25 machine miners. Puncher machines. This mine is located at Trospers, on the Cumberland R. R., about five or six miles from Artemus, Ky. I did not inspect this in 1922 owing to the fact that the mine was drowned out on the two visits I made to the mine.

GORDAN MILLER COAL & COKE COMPANY, Mine P. O.,
Grays, Ky.; Main Office, Louisville, Ky.

Wm. J. Black, Superintendent and Mine Foreman.

This company is working the Jellico seam. Machine mine electric machines being used in the mining of coal; mule haulage. This mine is located at Rosland, Ky., a spur track of the L. & N. R. R. I visited the mine in 1922 and found it in very good condition as to ventilation, timbering and drainage and safety conditions in general. Company has cooperated with me and the State Department of Mines.

LAST CHANCE COAL COMPANY, Mine P. O., Grays, Ky.;
Main Office, Corbin, Ky.

George Whitaker, President and General Manager; Albert Penix, Mine Foreman.

This company is working the Jellico seam. Solid shooting, mule haulage; coal height 36 in. to 40 in. This mine is located at Rosland, on the main line of the C. V. division of the L. & N. R. R. I visited the mine in 1922 and found the mine in good condition in all respects. Company has cooperated with me in my work.

KANAWHA KNOX COAL COMPANY, Mine P. O., Elys, Ky.;
Main Office, Cincinnati, Ohio.

J. H. Martin, President and Treasurer, Cincinnati, Ohio;
W. C. Martin, Vice President and General Manager, Pineville, Ky.

This company is operating the Jellico seam. Thickness of seam 4 ft. Coal is mined with electric machines. Coal is gathered with mules and trammed to bottom of slope by motor, is trammed to knuckle by rope haulage some five or six hundred feet to tipple and loaded on railroad cars. This mine is situated on the Elys branch or spur track of the C. V. division of the L. & N. R. R. I visited it on March 20th, 1922, and found good conditions as to ventilation, timbering and drainage and safety conditions. This company has cooperated with me in my work and the State Department of Mines.

PAIGE JELLICO COAL COMPANY, Mine P. O., Elys, Ky.;
Branch Office, Pineville, Ky.; Main Office, Detroit, Mich.

E. H. Jewett, President, Detroit, Michigan; E. L. Douglas, Cincinnati, Ohio; L. H. Stone, Secretary-Treasurer; J. T. Bradley, General Manager; W. R. Chief, Engineer.

Company is operating the Dean seam of coal. Coal is mined with electric machines, gathered with mules and trammed by motors to knuckle, where it is dumped into a large bend and reloaded into a monitor and run down an incline 1,700 feet to tipple, then loaded into railroad cars. This mine is situated at Elys, Ky., on spur track of the L. & N. R. R. Coal height 4½

feet; fan ventilation. I visited the mine on December 1, 1922. Mine was in very good condition as to ventilation, timbering and drainage and safety conditions in general. Company has always cooperated with me as an inspector.

STEWART & STARBUCK COAL COMPANY, Mine P. O. and
Office, Pineville, Ky.

R. E. Starbuck, President and General Manager; J. Stewart, Superintendent.

This company is working the Blue Gem seam. Coal is shot from solid; mule haulage; drift mine, furnace ventilation. Coal height 32 inches. Mine is situated on a spur track of the C. V. Division of the L. & N. R. R. I visited the mine on June 12th, 1922, and found it not running on day of inspection, but from the physical condition of the mine I do not see how they could operate at all. I found a furnace with no grate bars in it and entirely too small for furnace, the fire being built on the ground with no way of getting coal into it. I recommended that this furnace be rebuilt and a door be built at 1st left and that the brattices be overhauled.

FAYETTE JELLICO COAL COMPANY, Mine P. O., Anchor,
Ky.; Main Office, Barbourville, Ky.

Lee Congleton, President; M. F. Congleton, Vice President; Claude Congleton, Secretary-Treasurer and General Manager.

This company is operating the Dean seam. Electric machine mine; gathering with mule and tram coal to outside by motor. Coal height 36 to 38 inches. This mine is located at Anchor, on what is known as the Cumberland road or Brush Creek road. I visited this mine on March 2nd, 1922. I was unable to make an inspection of it on account of mine being drowned out.

I made recommendations that the air current be taken out of the present airway and be conducted on main entry. Break 4th right through to 3rd left and thus change the current, making this the return and the main entry the intake.

CONSOLIDATION COAL COMPANY, Mine P. O., Warren, Ky.; Main Office, Coalwood, W. Va.

This company is operating the Dean seam of coal, $4\frac{1}{2}$ to 5 feet thick. Machine mine, motor haulage. Mine is located at Warren, Ky., on the Cumberland road that connects or comes in at Artemus, Ky. I visited this mine in 1922 and found the mine in very good shape as to ventilation, timbering and drainage. This mine shows wonderful improvement has been made on the ventilation and dangerous roof conditions. When I went on the job a year ago I was almost afraid to even go through the mine on account of the roof or top conditions. I had just gone on the job when this mine had two men killed and one other crippled or hurt under one side fall; but not long after this Mr. Jennings, the superintendent, brought a very experienced man, Mr. Dixon, from the Anchor mine, and I must say he has made a wonderful change in the mine so far as safety is concerned. I greatly appreciate the work Mr. Jennings along with Mr. Dixon, the general mine foreman, has done in bringing this mine up well within the mining law.

This company has three mines on Brush creek on the Cumberland railroad, one at Anchor, two at Warren and three at Trosper.

CONSOLIDATION COAL COMPANY, Mine P. O., Trosper, Ky.; Main Office, Coalwood, W. Va.

This mine is working the Dean seam of coal; height $4\frac{1}{2}$ feet. Mule haulage to the side track. Coal trammed to outside by motors. Machine mine; coal is cut with electric machines. This mine is retreating or robbing work. Mine is located at Trosper, on the Cumberland or Brush Creek road. I visited the mine on March 1st, 1922, and found it in very good condition as to ventilation, timbering and drainage and safety conditions in general. Company has always tried to cooperate with me in my work of inspection.

FRANKLIN COAL COMPANY, Mine P. O. and Main Office, Artemus, Ky.

W. D. Kinder, Superintendent and General Manager; J. A. Kinder, Mine Foreman.

This company is mining the Dean seam; coal height 6 ft. to 7 ft. Coal is shot from the solid; mule haulage. Coal is trammed to knuckle and there dumped into a large bend, loaded into buckets and is lowered by aerial tramway to bottom, where it is loaded on to railroad cars. This aerial tramway is about nineteen hundred or two thousand feet.

I visited this mine on March 2nd, 1922, and found the mine to be in first class condition in every respect. This company has always cooperated in my work of inspection.

TURNER JELLICO COAL COMPANY, Mine P. O., Grays, Ky.
J. W. Hoskins, Mine Foreman and General Manager.

This mine is working the Jellico seam of coal. Solid shooting, mule haulage and fan ventilation. Mine situated on the main line of the C. V. Division of the L. & N. R. R., at Arkle, Ky. I visited this mine on March 11th, 1922, and the following conditions were noted: I could not get a reading on any entry in the mine. This was due wholly to the brattices being in a very bad condition on the intake current. I recommended that the ventilation be improved throughout the mine. I also recommended that a door be built at 1st right and go over all your brattices on your intake that are now leaking or rebuild them. Drive room on 2nd left to outside for ventilation, as you are just about out with it at present. Stop men from opening up powder with their mine picks. Post a set of rules in regard to this practice at your tippie or drift mouth and see that they carry them out.

NORTH JELLICO COAL COMPANY, Mine P. O., Wilton, Ky.; Main Office, Louisville, Ky.

F. M. Sackett, President; W. S. Speed, Vice President; C. D. Major, Treasurer; B. F. Speed, Manager of Sales; C. S. Nield, General Manager.

This company is operating the Jellico seam; coal height 36 to 40 inches. Motor haulage. Electric machines used in the cutting of the coal. This company has three openings. Olive Hill mine is retreating system and is in fine condition in every respect. The Locust Knob mine is all robbing work and is in

good condition. Hurricane Ridge mine is retreating and is in good condition. I inspected these three openings on March 15th and 16th, 1922. These openings are located at Wilton, Ky., on a spur track of the Knoxville division of the L. & N. R. R.

J. T. GRAY COAL COMPANY, Mine P. O. and Main Office, Grays, Ky.

J. T. Gray, President and General Manager.

Company is working the Jellico seam of coal. Mule haulage, solid shooting. Coal height 38 to 40 inches. This mine is the old Bertha mine formerly operated by the North Jellico Coal Company some years ago. Mine is located about a mile and half from the main line of the C. V. division of the L. & N. R. R. and about one mile from Grays, Ky. I visited this mine on March 13th, 1922. I found the most of this mine on the retreating system. Mine in very good condition on day of inspection, with the exception that I found a considerable amount of water on the main haulage road or main entry. I recommended that this be removed at once. The company was constructing a new furnace at a new opening but had four or five men inside working with very little ventilation reaching them. It seemed as though the management had put off building this furnace just as long as they possibly could before they started work on it. I recommended that the work be speeded up or bring the men out of this hole.

MAHAN JELlico COAL COMPANY, Mine P. O., Packard, Ky.; Main Office, Williamsburg, Ky.
Archie Stott, Superintendent; Robt. Thomas, Mine Foreman.

Company is operating the Jellico seam. Electric machine mine, motor haulage. Mine is located at Packard, Ky., on the Packard & Gatliff branch of the L. & N. R. R. Mine Nos. 1, 2 and 3 not been examined.

MAIN JELlico MOUNTAIN COAL COMPANY, Mine P. O. and Main Office, Jellico, Tenn.
W. F. Perkins, Superintendent.

This company is operating the Jellico seam. Pick mine,

mule haulage. Coal height 3' to 4'. Mine is situated on L. & N. R. R. Mine was closed the major part of 1922. Mine not examined in 1922.

MAMMOTH BLUE GEM COAL COMPANY, Mine P. O. and Main Office, Gatliff, Ky.

Sol Smith, Superintendent and General Manager; Marion Angle, Mine Foreman

This company is working the Jellico seam. Solid shooting, mule haulage. Coal height 2' 6". Mine situated on the Jackard and Gatliff branch of the L. & N. R. R. Mine not examined in 1922.

KIVETT JELlico COAL COMPANY, Mine P. O. and Main Office, Jellico, Tenn.

Company is working the Jellico seam of coal. Pick mine, mule haulage. Mine is located at Jellico, Tenn., on the L. & N. R. R. Coal height 3 feet 4 inches. Mine not examined in 1922.

WALLEN JELlico COAL COMPANY, Mine P. O. and Main Office, Gatliff, Ky.

Geo. M. Wallen, Superintendent and Mine Foreman.

This company is operating the Jellico seam. Solid shooting, mule haulage. Coal height 2' 6". Mine is situated on the Packard and Gatliff branch of the L. & N. R. R. Mine not examined in 1922.

NEW WATTS CREEK JELlico COAL COMPANY, Main Office and Mine P. O., Wofford, Ky.

T. C. Vaughan, Secretary; J. W. Davis, President and General Manager.

Mine is working the Jellico seam of coal. Solid shooting, mule haulage. This mine is situated on the main line of the L. & N. R. R. I visited this mine on June 9th, 1922. The ventilation on the old side of this mine had been very badly neglected as the management had, from all indications, made no provision for the ventilating of this opening or mine. I found on my inspection of the mine that men had been allowed to pull pillars so close to the main intake and return airways that they had

fallen in, and thus the ventilation was entirely cut off. The company was still working this side of the mine, notwithstanding it was impossible to ventilate this opening. I closed this work down until such time as the company could get another entry through from the new side of the mine to ventilate this opening. I found the new side in good condition as to ventilation and timbering. The drainage was very bad in this opening on account of the heavy rainfalls at the time of this inspection. This was largely due to the ditch on the main line being filled up with muck or mud. I found a number of men opening up powder with mine picks, which I insisted on being stopped at once. I also found iron bars in the mine, which I ordered taken out.

STEINS BLUE GEM COAL COMPANY, Mine P. O. and Main Office, Red Ash, Ky.

This company is working the Jellico seam. Solid shooting, mule haulage. Coal height 2' 6". Mine is located at Red Ash, on the L. & N. R. R. Mine not examined in 1922.

PRUDEN COAL & COKE COMPANY, Black Creek, Mine P. O., Pruden; Main Office, Knoxville, Tenn.

Victor N. Hacker, President; Charles A. Griffith, Vice President and General Manager; Joseph P. Grant, Secretary and Treasurer; Henry Archer, Mine Foreman.

This mine is working the Jellico seam of coal. Mine located at Pruden, Tenn., on the L. & N. & Southern R. R. Machine and pick mine. Coal is cut with electric machines; 39 pick men and 11 machine loaders. Gather with mules and tram to knuckle with motors and run down an incline about sixteen or seventeen hundred feet to a wooden constructed tippie. Coal height 5 ft. Fan ventilation. This company has always cooperated with me in work as an inspector. I did not examine this mine in 1922 on account of the number of mines in my district.

GATLIFF COAL COMPANY, Mine P. O., Gatliff, Ky.; Main Office, Williamsburg, Ky.

This company is working the Jellico seam. Mine is located at Gatliff, on the Gatliff and Packard branch of the Knoxville division of the L. & N. R. R. The company has five openings,

all located at Gatliff, Ky., Nos. 1, 2, 3, 4 and 5. Nos. 1 and 2 are old openings, having been opened up for a number of years. No. 1 is all robbing work. No. 2 has some development work yet, but a large part of this mine is robbing. No. 3 is a new mine and well laid out and has a good system of ventilation and drainage. Nos. 4 and 5 are small Blue Gem mines. Nos. 2 and 3 openings coal height 36 to 40 inches; machine mines. Nos. 4 and 5 30 to 34 inches. These openings are well ventilated by 10 ft. fans. Motor haulage, tippie height. Mine not examined in 1922.

PARTIN JELICO COAL COMPANY, Mine P. O. and Main Office, Pleasant View, Ky.

This company is operating the Jellico seam. Solid shooting, mule haulage; drift mine. This mine is located at Pleasant View, Ky., on the L. & N. R. R. Mine was not examined in 1922.

PROCTOR COAL COMPANY, Mine P. O., Red Ash, Ky.; Main Office, Jellico, Tenn.

Company is operating the Jellico seam of coal. Solid shooting, mule haulage. Coal height 3'. Mine is located at Red Ash, on the L. & N. R. R. Mine not examined in 1922.

BON JELICO COAL COMPANY, Mine P. O., Bon Jellico, Kentucky.

T. F. Smith, Superintendent; Guss R. Fritz, Mine Foreman. Mine is working the Jellico seam. Electric machine mine, motor haulage. Coal height 3' 4". Mine is located at Bon Jellico, on the L. & N. R. R. Mine not examined in 1922.

C. C. VERMILLION COAL COMPANY, Mine P. O. and Main Office, Jellico, Tenn.

C. C. Vermillion, General Manager. This company is operating the Jellico seam. Solid shooting, mule haulage. Coal height 3' 6". Mine is located at Jellico, Tenn., on the L. & N. R. R. Mine not examined in 1922.

BURK HOLLOW COAL COMPANY, Mine P. O. and Main Office, Jellico, Tenn.

W. F. Woods, Superintendent; M. F. Huddleson, Mine Foreman.

This company is operating the Jellico seam. Solid shooting, mule haulage. Mine located at Burk Hollow, on the L. & N. R. R. Coal height 2' 6". Mine not examined in 1922.

BIG FOUR COAL COMPANY, Mine P. O. and Main Office, Williamsburg, Ky.

This company is operating the Jellico seam. Solid shooting, mule haulage; drift mine. Coal height 2' 6". Mine is situated on the main line of the L. & N. R. R. Mine not examined in 1922.

BENETT JOHNSON COAL COMPANY, Mine P. O. and Main Office, Gatliff, Ky.

This company is operating the Jellico seam. Solid shooting, mule haulage. Coal height 2' 6". Mine is situated on the Packard and Gatliff branch of the L. & N. R. R. Mine not examined in 1922.

DRAKE BLUE GEM COAL COMPANY, Mine P. O. and Main Office, Neversdale, Ky.

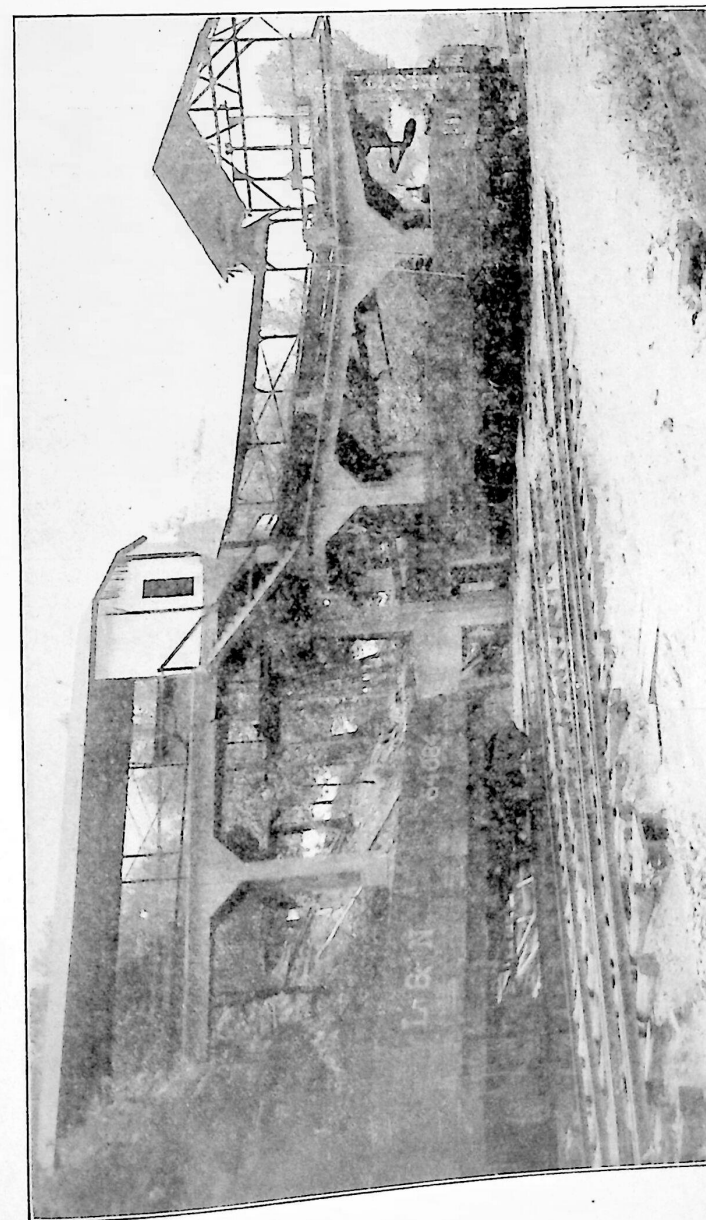
W. M. Stott, Superintendent and General Manager; Mart Freeman, Mine Foreman.

Mine is working the Jellico seam of coal. Solid shooting, mule haulage. Coal height 2' 6". Mine is located at Neversdale, on the Packard and Gatliff branch of the L. & N. R. R. Mine not examined in 1922. This company has two mines, Nos. 1 and 2, both at Neversdale.

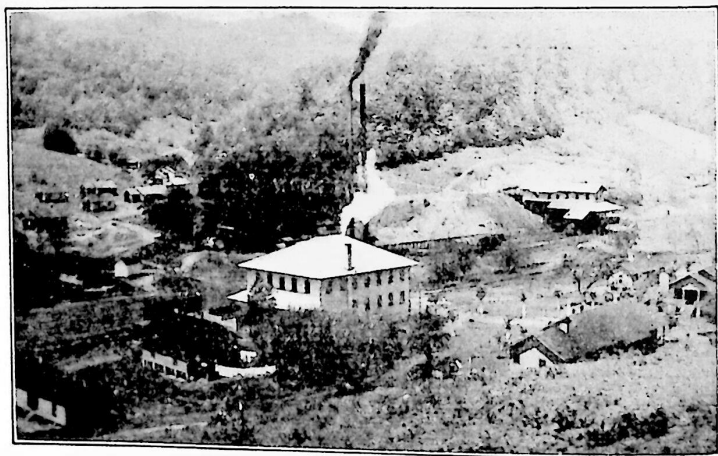
JELICO COAL & MINING COMPANY, Mine P. O. and Main Office, Mountain Ash, Ky.

H. H. McCutchens, Superintendent and General Manager; S. J. Marsh, Mine Foreman.

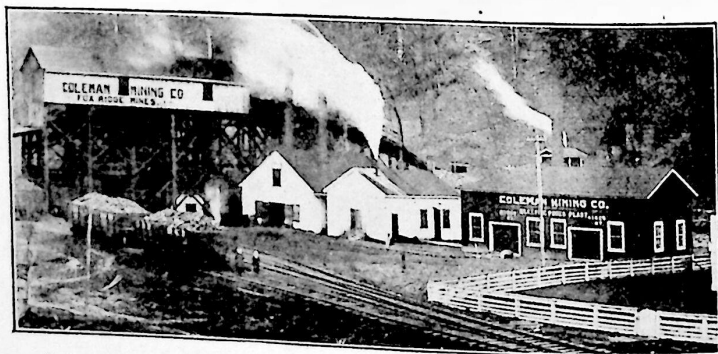
This company is operating the Jellico seam. Electric machine motor, motor haulage. Coal height 3'. Mine is located at Mountain Ash, on the L. & N. R. R. Mine not examined in 1922.



Jellico Mining Co., Mountain Ash, Whitley County, Ky.



Pioneer Coal Co., Kettle Island, Bell County, Ky.



Coleman Mining Co., Fox Ridge Mines, Fox Ridge, Bell County, Ky.

FIFTH DISTRICT

Hon. L. Blenkinsopp,
Chief Inspector of Mines,
Lexington, Ky.

Dear Sir:

I enclose herewith my annual report covering the time spent by me as inspector. I was appointed on May 16th, 1922, and my first work was serving on the board of examiners, from June 1st to 8th at Lexington. I was then assigned to the 5th or Harlan District and served there until January 31st, at which time I resigned to accept a position with the U. S. Bureau of Mines.

During the eight months that I served I made a total of eighty inspections. I did practically nothing during the month of July on account of the mines in my district being practically closed due to the railroad strike. The month of September I spent in the 1st and 2nd districts, and the reports of my inspections there are not enclosed. I was sick three weeks in November, and the latter part and the first part of December I spent in the mines in Boyd and Carter counties, which are included in the third district, and the reports of which are not enclosed.

I take this opportunity of expressing my thanks to you and to the operators of my district for your cooperation and courtesy. Although I am no longer connected with Kentucky's Department of Mines I feel that I realize the plane to which you have lifted it and what you are trying to do. I feel that inasmuch as you are striving to make the office of Chief Inspector of Mines a real factor in the mining game, you should have the support of the coal operators' associations, the miners' union and the unorganized miners for a second term as chief.

With kindest personal regards, I am,

Very truly yours,

U. D. WILLIAMS.

WALLINS CREEK COLLIERIES COMPANY.

Molus Mine, Molus, Harlan County, Ky.

Main Office, Scranton, Pa.; Railroad, L. & N.

President, Wm. D. Boyer, Scranton, Pa.; Treasurer, Geo. G. Brooks, Scranton, Pa.; General Manager, Geo. H. Marting,

Pineville, Ky.; General Superintendent, L. F. Vermillion; Mine Superintendent, L. Laxton; Foreman, Rice Griffin.

This company operates a mine in the Harlan seam, which at this place averages only 44 inches in thickness.

Equipment consists of two locomotives, three shortwall machines, four pumps, revolving screens and a loading boom. An aerial tram three-quarters of a mile in length in which about fifteen buckets are operated is used to transfer the coal from the mine to the tippie. The company formerly made their own power but now use power from the line of the Kentucky Utilities Company.

Mr. L. Laxton, ex-inspector of the Harlan District, is superintendent. The mine was examined on January 17th and recommendations were that refuge holes be cleaned out along No. 1 main and that wires be guarded at all points.

KENTUCKY KING COAL COMPANY.

Wallins Creek, Harlan County, Ky.

Main Office, Wallins Creek, Ky.; Railroad, L. & N.
President, S. E. Wolff, 14 Wall St. N. Y.; Treasurer and General Manager, W. B. Miller, Wallins Creek, Ky., Superintendent, W. T. Anderson; Foreman, H. L. Cox.

This mine is in the Wallins Creek seam, which has its usual thickness of six feet at this point.

Equipment consists of three trolley pole locomotives, five machines, shaker screens, and a loading boom. A cement gun is used to cover the roof in a part of the mine in which draw slate, which disintegrates rapidly, is found. It has been very successful, inasmuch as it prevents the air from disintegrating the slate which supports the roof.

The mine was examined on January 11th, 1923, and no recommendations were made. It seems that everything that could be done to promote safety and efficiency at this plant is being done. Timbering, drainage, clearance were good and no dangerous practices were noted at all. In my report the following was used: "I have nothing but commendation for the efficient and careful methods used in the operation of this mine."

CREECH COAL COMPANY.

No. 1 Mine, Twila, Harlan County, Ky.

Main Office, Twila, Ky.; Railroad, L. & N.

President, R. W. Creech, Pineville, Ky.; Treasurer, Jno. E. Starbuck, Twila, Ky.; Superintendent, George W. Creech; Foreman, H. B. Martin.

This company operates two mines in the Wallins Creek seam, which has its usual thickness of six feet at this point.

Equipment consists of nine shortwall machines, nine trolley-pole type locomotives, shaker screens and loading booms. Ventilation, which is fairly good, is supplied by a six-foot disc fan. The air current is divided into three splits.

The coal from both mines is dropped over separate inclines but is all handled over one tippie. The output from both mines exceeds twelve hundred tons per day.

The mine was examined on January 19th, 1923, and recommendations were that trolley wires be guarded at all points.

CREECH COAL COMPANY.

No. 2 Mine, Twila, Harlan County, Ky.

Superintendent, George W. Creech; Foreman, R. L. Warren.

Development at this mine, which is a newer one than No. 1, was hindered for a time by a fault, which has now been surrounded.

Ventilation, which is good, is supplied by a six-foot disc fan. Not less than ten thousand cubic feet of air was measured at the last cross-cut of any of the entries.

The mine was examined on January 20th, 1923, and recommendations were that trolley wires be guarded at all junctions of entries and at trap doors.

BANNER FORK COAL CORPORATION.

No. 1 Mine, Kentenia, Harlan County, Ky.

Main Office, Kentenia, Ky.; Railroad, L. & N.

President, Edsel B. Ford, Detroit, Michigan; Treasurer, B. J. Craig, Detroit, Michigan; General Manager, A. Lunsford; Superintendent, L. C. Skeen; Foreman, A. J. Hyden.

This company operates two mines in the Wallins Creek seam, which is six feet in thickness at this point. Operating

conditions in this seam are among the best, if not the best, in southeastern Kentucky. The seam is clean and is of uniform thickness, with only local dips here and there.

Equipment at this mine consists of two trolley-pole type locomotives, six shortwall machines, shaker screens and loading booms. An incline more than three thousand feet in length is used to transfer the coal from the mine to the tippie. With the present incline equipment, the mine is able to produce all the coal that can be handled over the incline.

The mine was examined on January 9th, 1923, and recommendations were that the wires be guarded at the junction of all entries, that clay only be used for tamping, that a system of sprinkling or some other means of humidifying the air be installed. Objection to the use of salt for sprinkling was voiced by the mine officials on account of its tendency to soften the hoofs of mules, used for gathering, and the suggestion was made by the inspector that salt be used in the form of a cartridge for tamping or stemming, as this is considered an efficient means of humidifying air.

BANNER FORK COAL CORPORATION.

No. 2 Mine, Kentenia, Harlan County, Ky.

Main Office, Kentenia, Ky.; Railroad, L. & N.

General Manager, A. Lunsford; Superintendent, W. B. Burton; Foreman, A. L. Yonce.

The number two mine has the same ideal conditions that exist at the number one mine.

Equipment consists of two trolley-pole type locomotives, four shortwall machines, shaker screens and a loading boom. Sizes of coal shipped are nut, slack, egg, lump, block and run of mine.

The mine was examined on January 11th, 1923, and recommendations were that the air current be split so that no more than sixty men be employed on one split, that wires be guarded at all points, that only permissible powder be used. The objection to the use of permissible explosive, that it makes too small a percentage of lump coal, is met by the fact that as the

rooms are forty feet wide, one center shot will furnish a day's loading, then two very light shots, one on each rib, will produce a high percentage of lump coal.

PAYNE MINING COMPANY.

Molus, Harlan County, Ky.

Railroad, L. & N.

Superintendent, J. H. Payne; Foreman, J. H. Payne.

This is a small mine, owned by three brothers operating in the Harlan seam. The coal is only thirty inches in thickness. The coal is shot off the solid and hauled by mules. A daily output of about fifty tons is shipped as run of mine. An aerial tramway is used to transport the coal from the mine to the tippie.

The mine was examined on January 16th, 1923, and recommendations were that men be stopped from opening powder with picks.

CORNETT-LEWIS COAL COAMPANY.

Louellen, Harlan County, Ky.

Main Office, Harlan, Ky.; Railroad, L. & N.

President, A. B. Cornett; Treasurer, W. W. Lewis; General Manager, R. E. Lawson; Foreman, B. F. Lankford.

This mine is in the High Splint seam, which is 66 inches in thickness, at Louellen, Kentucky, although a slope is being driven to the Harlan seam lower down.

Equipment consists of two locomotives, two shotwall machines, and the tippie is equipped with picking tables and a loading boom.

The mine was examined on June 12th, and recommendations were that wire be guarded at 2nd left in No. 1 opening. That the door at escapeway at No. 1 opening be changed so as to open from the inside, and that door be placed in No. 1 main at third right.

HARLAN SUPERIOR COAL COMPANY.

Chervolet, Harlan County, Ky.

Main Office, Birmingham, Alabama; Railroad, L. & N.

President, Monroe B. Lanier, Birmingham, Ala.; Treasurer,

William Cook, Lejunior, Kentucky; General Manager, William Cook, Lejunior, Kentucky; Foreman, Chas. Owens.

This mine is in the Harlan seam, which shows 50 inches thick at this point, is worked on the solid, and the coal transferred by means of monitors on an incline which is approximately 1,500 feet in length. Straight run of mine coal is loaded, which averages about 100 tons daily.

This mine was examined on June 22nd and recommendations were that an escape way be made.

BENITO COAL COMPANY.

Lejunior, Harlan County, Ky.

Main Office, Lejunior, Ky.; Railroad, L. & N.

President, Samuel Bennett; Treasurer, S. E. Bennett; General Manager, Samuel Bennett; Foreman, Wm. Earle.

This is a new mine in the Harlan seam, which is 50 inches thick at this place.

Everything has and is being done to make this one of the most complete operations in Harlan County.

Extensive equipment consists of two trolley-pole locomotives, three shortwall machines and tippie equipment, with shaker screens, packing tables and loading booms, and the tippie itself is the first of its kind ever built.

Dr. Bennett, a coal man of years of experience, is sole owner and manager.

This mine was examined on June 20th and found to be in good condition.

SHAWNEE GAS COAL COMPANY.

Harlan, Harlan County, Kentucky.

Main Office, Harlan, Ky.; Railroad, L. & N.

President, E. M. Howard; Treasurer, H. C. Smith; Foreman, Pat Fannin.

This mine is in the Harlan seam, which is 44 inches thick at this point above the parting; the parting is removed except in entry work.

The coal is undercut by compressed air machines and hauled by mules. Run-mine coal only is loaded. A daily tonnage of

300 tons is transferred by means of rope and bucket system approximately 900 feet down the mountain.

This mine was examined on June 26th and recommendations were that powder be taken inside the mine in jacks, and that a first aid kit be provided and kept at the first aid house.

STANDARD HARLAN COAL COMPANY.

Evarts, Harlan County, Ky.

Main Office, Milwaukee, Wis.; Railroad, L. & N.

President, L. G. Rice; General Manager, J. S. Wallace; Superintendent and Foreman, J. S. Wallace.

This mine is the Kellioka seam which is 44 inches thick at this point.

Equipment consists of two Sullivan machines, Iron-ton storage battery, locomotive. The coal is gathered with mules. An incline of approximately 1,200 feet is used to transfer the coal to the tippie.

The mine was examined on July 18th, and recommendations were: That the dust be regularly sprinkled in the winter season, that a door be placed in the mouth of the cut-off from 1st to 2nd right.

The Kellioka seam has a tendency to dryness at most places in the Harlan field.

BLOCK COAL COMPANY.

Evarts, Harlan County, Ky.

Main Office, Harlan, Ky.; Railroad, L. & N.

Manager and Superintendent, H. M. Ralston, Harlan, Ky.

This mine is a small mine worked on the solid in the Harlan seam, which is more solid at this point, and workings are merely a test of the property. The coal is hauled by means of mules.

The daily output is about 50 tons, and extensive acreage is held by the company, and if the solid is gone through the complete operation will be put in.

The mine was examined on July 18th and conditions were satisfactory.

HIGH SPLINT COAL COMPANY.

High Splint, Harlan County, Ky.

Main Office, High Splint, Ky.; Railroad, L. & N.

President, N. B. Perkins, Williamsburg, Ky.; Treasurer, N. A. Archer, Williamsburg, Ky.; General Manager, J. B. Gatliff, High Split, Ky.; Foreman, Geo. W. Sharp.

This company works both the Harlan and High Split seams of coal, which is approximately 46 inches thick at the Harlan seam, the High Splint being 66 inches thick.

Extensive equipment consists of eight shortwall machines, eight ten-ton trolley-pole locomotives, and five storage batteries, shaker screens, picking tables, and loading booms. The coal from the High Splint seam conveyed 2,600 feet down the mountain, and incline at places is 69 per cent grade. Five grades of coal are loaded.

The mine was examined on June 13th and recommendations were that trolley wires be guarded at No. 6 main, at first right and first left, that the air current be split, and that No. 6 opening be made main intake.

R. C. TWAY COAL COMPANY.

Harlan, Harlan County, Ky.

Main Office, Louisville, Ky.; Railroad, L. & N.

President, R. C. Tway, Louisville, Kentucky; Treasurer, J. W. Middlekamp, Knoxville, Tenn; General Manager, T. M. Gibson, Harlan, Kentucky; Foreman, Russell Collins.

This mine is in the Harlan seam, near Harlan, Kentucky, which is 48 inches at this point. A parting varying from eight inches to nothing is present about 12 inches from the bottom. At places in the mine the parting is removed, but where its maximum thickness is reached the room work is driven on top of the parting.

Equipment consists of three locomotives, four shortwall machines, shaker screens and a loading boom.

This mine was examined on June 23rd and recommendations were that a system of sprinkling or humidifying by air be installed before winter. The mine in general was found to be in excellent condition.

MODEL COAL COMPANY.

Lejunior, Harlan County, Kentucky.

Railroad, L. & N.

President, R. L. Moore, Jellico, Tenn.; Treasurer, F. L. Smith, Jellico, Tenn.; General Manager, P. E. Bennett, Knoxville, Tenn.; Foreman, Tom Williamson.

This mine is in the Harlan seam, which is 48 inches in thickness at this place, and is what is called a single entry system and used mainly by work of rooms, each side through the chain pillow. In such a system the airway is nothing but a line of thick entries. It is very difficult to ventilate a mine working in this way, and also to keep it in good condition.

Equipment consists of one 5 and one 8 ton locomotive, 2 shortwall machines, shaker screens and loading boom.

This mine was examined on June 21st and recommendations were that a triple entry system be used or trap doors be placed in room necks, worked through the chain pillar, that a regulator be placed in the mine heading, that 5th left entry be stopped until the airway is caught up with it, and that trolley wires be guarded at 6th left, 1st left, and the dog entry.

McCOMBS COAL COMPANY.

Elcomb, Harlan County, Ky.

Main Office, Elcomb, Ky.; Railroad, L. & N.

President, F. K. Moore, Cleveland, Ohio; Treasurer, F. K. Moore, Cleveland, Ohio; General Manager, C. W. Basel, Elcomb, Ky; Foreman, W. T. Angel.

This mine is in the Harlan seam, which has an average thickness of 48 inches.

The equipment consists of four trolley-pole locomotives, six shortwall machines, shaker screens, and loading boom. Five grades of coal are loaded.

The mine was examined on June 28th and recommendations were that if more than 60 men were employed on one current of air two or more entries be wired by separate split; that signs pointing to the man-way be put up.

CROWN BY-PRODUCT COAL COMPANY.

Chervolet, Harlan County, Ky.

Railroad, L. & N.

President, C. R. Wilburn, Atlanta, Ga.; Treasurer, R. R. Johnson, Atlanta, Ga.; General Manager, C. R. Wilburn, Chervolet, Ky.; Foreman, M. C. Tabor.

This mine is in the Harlan seam, which is 54 inches thick at this place and free from parting.

Extensive equipment consists of two shortwall machines, two trolley-pole locomotives and shaker screens, and picking tables and loading boom are in use, also a button conveyor, and a daily output of 700 tons reached.

The mine was examined on June 27th and recommendations were that powder be taken in the mine in jacks, one day's supply at a time.

HARLAN LIBERTY COAL COMPANY.

Evarts, Harlan County, Kentucky.

Main Office, Evarts, Ky.; Railroad, L. & N.

President, Dr. Jenkins, Harlan, Ky.; General Manager, Louis Manning, Evarts, Ky.; Treasurer, Louis Manning, Evarts, Ky.; Foreman, Jno. Manning.

This mine is in the Harlan seam, which is 66 inches in thickness at this point. A parting varying from 3 to 8" is present.

Equipment consists of three shortwall machines and Iron-ton storage battery locomotives, shaker screens and a loading boom. The daily tonnage is about 600 tons. A button conveyor is used to transfer the coal approximately 600' to the tippie.

The mine was examined on July 21st, 1922, and found to be in good condition.

HARLAN COOPERATIVE COAL COMPANY.

Evarts, Harlan County, Kentucky

Main Office, Fayette Bank Bldg., Lexington, Ky.; Railroad, L. & N.

President, A. H. Hood, Harlan, Ky.; General Manager, L. S. Wood, Evarts, Ky.; Secretary-Treasurer, L. S. Wood, Evarts, Ky.; Foreman, J. W. Richards.

This mine is in the Darby seam, which has a thickness vary-

ing from 40 to 43". Equipment consists of three shortwall machines and a storage battery locomotive. The daily output of about 200 tons is shipped as slack and lump.

The mine was examined on August 8th, 1922, and recommendations were: That a smaller pulley be used on the fan so as to increase its speed. The ventilation was rather poor, due to the speed of the fan. That powder be taken inside in jacks.

DARBY HARLAN COAL COMPANY.

Evarts, Harlan County, Kentucky.

Main Office, Evarts, Ky.; Railroad, L. & N.

President, N. B. Smith, Evarts, Ky.; General Manager, N. B. Smith, Evarts, Ky.; Treasurer, B. C. Lewis, Evarts, Ky.; Foreman, Chas. Tomlinson.

This mine is in the Harlan seam, which shows about 46" clean coal with a parting varying from 3 to 7". Ventilation, which is rather poor, is supplied by furnace. Equipment consists of shortwall machines and a storage battery locomotive. A chute is used to convey the coal to the tippie. The daily output is about 350 tons.

The mine was examined on August 8th, 1922, and recommendations were: That as the workings were so far advanced and the ventilation so poor, a fan be installed. That the airway of 1st right be pushed until it catches up with the entry.

EVARTS COAL COMPANY.

Evarts, Harlan County, Kentucky.

Main Office, Harlan, Ky.; Railroad, L. & N.

President, Fred W. Smith, Harlan, Ky.; General Manager, Fred W. Smith, Harlan, Ky.; Treasurer, J. D. Casey, Harlan, Ky.; Foreman, H. A. Barton.

This company operates two mines in the Harlan and the Kellioka seams. The Kellioka seam averages about 46" in thickness and the Harlan seam about 48". However, the Harlan seam is split by partings, varying from 2 to 6". Equipment consists of storage battery locomotive and chain breast type machines. The daily tonnage of about 300 tons is prepared over gravity screens. The Kellioka seam, which is rather dry in

most places, was found not so at this place. This was due in part to the soft bottom.

The mine was examined on August 9th, 1922, and found to be in good condition.

BLACK MOUNTAIN CORPORATION.

Kenvir, Harlan County, Ky.

Main Office, Chicago, Ill.; Railroad, L. & N.

President, F. S. Peabody, Chicago, Ill.; General Manager, A. W. Miller, Kenvir, Ky.; Treasurer, N. D. Bachman, Chicago, Ill.; Foreman, J. Asbery.

This mine is in the No. 5 or Darby seam, which averages about 40" in thickness. Extensive equipment, consisting of 10 journal electric mining machines, 4 trolley-pole locomotives, a 4' centrifugal fan, picking tables, shaker screens and a loading boom are used. The daily output of about 1,000 tons is shipped as four (4) grades.

The mine was examined on August 10th, 1922, and recommendations were: That either a larger fan or a booster be installed. The ventilation was very poor, no air readings could be gotten at the face of any of the cross entries. This was due to leaky stoppings and the fact that the mine had passed the capacity of the fan. Also that trolley wires be guarded at the junctions of all entries at cross-overs and trap-doors.

J. L. SMITH COAL COMPANY.

Draper, Harlan County, Kentucky.

Main Office, Kildav, Ky.; Railroad, L. & N.

President, Albert W. Bippus, Huntington, Ind.; General Manager, Geo. F. Neel, Kildav, Ky.; Treasurer, Geo. F. Neel, Kildav, Ky.; Foreman, Walter Williams.

This mine is in the Harlan seam, which averages about 48" in thickness at this point. Equipment consists of four shortwall machines, trolley-pole locomotives, shaker screens, and a loading boom. The coal is conveyed to the tippie by means of a disc conveyor. The daily output is about 300 tons. Ventilation, which is fairly good, is provided by a 6' disc fan.

The mine was examined on August 24th, 1922, and recom-

mendations were: That trolley wires be guarded at junctions of all entries and at trap doors. That powder be taken inside the mine, one day's supply at a time.

VERDA HARLAN COAL COMPANY.

Verda, Harlan County, Kentucky.

Main Office, Harlan, Ky.; Railroad, L. & N.

President, Henry Turner, Verda, Ky.; General Manager, Earl Jameson, Harlan, Ky.; Treasurer, Earl Jameson, Harlan, Ky.; Foreman, John Sizemore.

This is a small mine in the Harlan seam, which averages about 54" in thickness. The coal is all shot on the solid and hauled by mules. The mine cars are dropped on an incline approximately 800 feet to the tippie. The daily output is about 100 tons. Ventilation is provided by a furnace and is very good.

The mine was examined on August 28th, 1922, and recommendations were: That a map of the mine be made and sent to the Department of Mines. That a first aid kit and stretcher be provided. That a certified man be employed as mine foreman. That an escape-way be made.

BERGER COAL MINE COMPANY.

Lejunior, Harlan County, Kentucky.

Main Office, Knoxville, Tenn.; Railroad, L. & N.

President, T. C. Berger, Knoxville, Tenn.; General Manager, Chas. E. Ralston, Harlan, Ky.; Treasurer, Chas. E. Ralston, Harlan, Ky.; Foreman, Richard Williams.

This mine is in the Harlan seam, which averages about 48" in thickness. Equipment consists of two trolley-pole locomotives, three shortwall machines, and the output of about 500 tons daily is shipped as run-of-mine. The Harlan seam at this point is about tippie height, and the coal is transferred in a 10-ton car on a trestle across the Cumberland river to the tippie. Ventilation is provided by a 5 foot disc fan. The ventilation was found to be fairly good.

The mine was examined on August 29th, 1922, and found to be in good condition.

THREE POINT COAL COMPANY.

Lena Rue, Harlan County, Ky.

Main Office, Harlan, Ky.; Railroad, L. & N.

President, Judge W. F. Hall, Harlan, Ky.; General Manager, Elmer D. Hall, Lena Rue, Ky.; Treasurer, Frank F. Cawood, Harlan, Ky.; Foreman, Bass Warren.

This mine is in the Harlan seam, which is approximately 60" in thickness at this point. Equipment consists of two shortwall mining machines, and two trolley-pole locomotives. Ventilation, which is good, is provided by a 7' disc fan. The daily output of about 300 tons is shipped as three grades. A disc conveyor is used to convey the coal approximately 1,500 feet to the tippie.

The mine was examined on August 31st, 1922, and found to be in good condition.

HARLAN KELLIOKA COAL COMPANY.

Evarts, Harlan County, Kentucky.

Main Office, Evarts, Ky.; Railroad, L. & N.

President, C. A. Runyon, Cleveland, Ohio; General Manager, J. T. Dunnigan, Harlan, Ky.; Treasurer, J. T. Dunnigan, Harlan, Ky.; Foreman, R. R. Sentz.

This mine is in the Kellioka seam, which averages about 50" thick at this point. Equipment consists of two longwall machines, storage battery locomotive, and the coal is conveyed to the tippie by means of monitors on an incline approximately 1,500 feet in length. Ventilation is provided by a 6' disc fan, making approximately 250 revolutions per minute. The daily output, about 200 tons, is shipped as run-of-mine.

The mine was examined on September 1st, 1922, and found to be in good condition.

MIDDLETON COAL COMPANY.

Evarts, Harlan County, Kentucky.

Main Office, Evarts, Ky.; Railroad, L. & N.

President, J. H. Maxon, Columbus, Ohio; Manager, R. B. Waddell, Evarts, Ky.; Treasurer, Ada Davis; Foreman, J. P. Aldred.

This mine is in the Harlan seam, which averages about 5' in thickness at this point. Equipment consists of 1 shortwall mining machine, and the coal is hauled by mules. The daily output of about 300 tons is prepared over gravity screens. The ventilation is provided by a 5' disc fan, making 275 revolutions per minute.

The mine was examined on September 2nd, 1922, and found to be in excellent condition.

REX COAL COMPANY.

Kitts, Harlan County, Ky.

Main Office, Harlan, Ky.; Railroad, L. & N.

President, Thos. Bennett, Perkins, Ky.; General Manager, C. B. Bennett, Harlan, Ky.; Treasurer, H. H. Bennett, Harlan, Ky.; Foreman, S. R. York.

This mine works the Harlan seam, which has a thickness of 50" at this place. Equipment consists of three trolley-pole locomotives, three shortwall machines, shaker screens and a 7' disc fan. Ventilation is fairly good. The daily output is about 350 tons.

The mine was examined on September 5th, 1922, and recommendations were: That the wires be guarded at the junctions of the entries and at trap doors.

EAST HARLAN COAL COMPANY.

Ages, Harlan County, Kentucky.

Main Offices, Kildav, Ky.; Railroad, L. & N.

President, Geo. J. Bippus, Huntington, Ind.; General Manager, Geo. F. Neel, Kildav, Ky.; Treasurer, Geo. F. Neel, Kildav, Ky.; Foreman, Henry Dykes.

This mine works the Harlan seam, which has a thickness of 50" at this point. Equipment consists of four shortwall mining machines, shaker screens, loading booms and a 4' disc fan. The coal is dropped in the mine cars on an incline approximately 1,200 feet to the tippie. Ventilation is fairly good.

The mine was examined on September 6th, 1922, and recommendations were: That the wires be guarded at the junctions of entries and room necks.

VARILLA COAL CORPORATION.

Varilla, Harlan County, Kentucky.

Main Offices, Pineville, Ky.; Railroad, L. & N.

Vice-President and General Manager, R. I. Cawthorne, Pineville, Ky.; Foreman, A. R. Eckert.

This mine is in the Harlan seam, which has a thickness of 50" at this point. Equipment consists of four shortwall mining machines, two trolley-pole locomotives. The coal is conveyed about 3,000 feet by a disc conveyor to the tippie. Daily output of about 300 tons is shipped as three grades. Ventilation is provided by a 4' disc fan. The ventilation was found to be rather weak on the right entry, otherwise the mine was in fair condition.

HARLAN COAL & COKE COMPANY.

High Splint, Harlan County, Ky.

Main Office, High Splint, Ky.; Railroad, L. & N.

President, William Grant, High Splint, Ky.; General Manager, William Grant, High Splint, Ky.; Foreman, Joseph Colston.

This mine is in the Harlan seam, which is 48 inches at this point. Troublesome slate (draw slate) is present, and is hard to hold with timbers.

The coal is gathered with locomotive and hauled to the tippie by trolley pole.

Equipment consists of three shortwall machines. Run of mine coal only is shipped, the daily output being about 700 tons.

The mine was examined on July 3rd, and recommendations were that, if more than 60 men were employed on one continuous current, the air current be split; that brattices be gone over.

Sufficient air was found entering the mine, but on account of leaks, stoppings and curtains was not very well conducted to the working face.

WALLINS CREEK COLLIERIES COMPANY.

Bear Branch, Harlan County, Verda, Ky.

Main Office, Nashville, Tenn.; Railroad, L. & N.

President, W. D. Boyer, Scranton, Pa.; Treasurer, George

G. Brooks, Scranton, Pa.; General Manager, George Marting, Pineville, Ky.; Foreman, C. W. McCarty.

This mine is in the Harlan seam, which is 48 inches thick at this place.

Equipment consists of two trolley-pole locomotives, four shortwall machines, and the entire output 800 tons. Five grades of coal are prepared by shaker screens and loading booms.

The mine was examined on June 16th, and recommendations were: That loose slate on the entry be taken down, that a door be placed at the mouth of the airway on new main and falling slate in the airway be cleaned up. Draw slate on the right entry is very bad.

SOUTHERN MINING COMPANY.

Balkan, Harlan County, Ky.

Main Offices, Williamsburg, Ky.; Railroad, L. & N.

President, T. B. Mahan, Williamsburg, Ky.; Treasurer, E. C. Mahan, Knoxville, Tenn.; General Manager, N. B. Perkins, Williamsburg, Ky.; Foreman, L. C. Chaffin.

This mine is in the Creech seam, which is 52" thick at this point. Equipment consists of eight trolley-pole locomotives, three shortwall mining machines, shaker screen, loading boom, and a 10' centrifugal fan. The coal is dropped in mine cars on an incline of about 2,000 feet to the tippie. The daily output is about 400 tons. Ventilation is good.

The mine was examined on October 4th, 1922, and recommendations were: That wires be guarded at junctions of entries and at trap doors.

LENA-RUE COAL COMPANY.

Lena-Rue, Harlan County, Ky.

Main Office, Harlan, Ky.; Railroad, L. & N.

President, W. F. Hall, Harlan, Ky.; Treasurer, F. F. Cawood, Harlan, Ky.; General Manager, F. F. Cawood, Harlan, Ky.; Foreman, William Silvers.

This mine is in the Harlan seam that is about six miles from Harlan, and has a thickness of 42 inches clean coal. The coal is undercut by three shortwall machines and hauled with motors.

About forty-four men are employed. The coal is transferred approximately 1,000 feet from the mine to the tipple on an incline. The daily output is about 300 tons.

Ventilation, which was rather poor at the time of inspection, is supplied by 8-foot fan.

The mine was inspected on October 7th, and, with the exception of rather poor ventilation, which has since been improved, was found to be in good condition.

GOLDEN DECKER COAL COMPANY.

Sibert, Clay County, Ky.

Main Office, Sibert, Ky.; Railroad, C. & M.

President, John Golden, Sibert, Ky.; Treasurer, Andrew Decker; General Manager, Andrew Decker; Foreman, Homer Clotfelter.

This company operates two small mines in the Blue Gem seam, which is 28" in thickness. The coal is shot on the solid and hauled by mules. As is characteristic of the Blue Gem seam, this coal is very wet. The output of about 150 tons daily is all shipped as run-of-mine.

The mine was examined on July 22nd, 1922, and recommendations were that a first aid kit and a stretcher be kept at the mine office. That powder be taken inside the mine in jacks.

HENSLEY COAL COMPANY.

Sibert, Clay County, Kentucky.

Main Office, Sibert, Ky.; Railroad, C. & M.

President, E. G. Eversole, London, Ky.; General Manager, J. M. Hensley, Sibert, Ky.; Treasurer, A. Hall, Manchester, Ky.; Foreman, J. A. France.

This mine is in the Blue Gem seam, which is 36" thick at this point. The mine is a drift opening with a small tipple, which has no screens. The coal is shot on the solid and hauled by mule. About 100 tons coal daily is loaded which is all shipped as run-of-mine.

When the mine was examined on July 27th, 1922, the recommendations were that powder be taken inside in jacks, one

day's supply at one time. That a door be placed on main where curtain is in use. The ventilation is rather poor, due to the use of curtains for doors in stoppings.

FURNACE GAP COAL COMPANY.

Hima, Clay County, Kentucky.

Main Office, Pineville, Ky.; Railroad, C. & M.

President, James M. Gilbert, Pineville, Ky.; General Manager, E. L. Shell, Pineville, Ky.; Treasurer, E. L. Shell, Pineville, Ky.; Foreman, L. F. Warren.

This mine is in the Blue Gem seam, which is sometimes called the Horse Creek seam, and varies in thickness from 40 to 48". The coal is prepared over gravity screens and is shipped as three grades, slack, lump and block. The daily output is about 175 tons. The coal is gathered by mule and hauled to the tipple with storage battery locomotives.

The mine was examined on July 28th, 1922, and recommendations were: That powder jacks be provided for the men and one day's supply of powder be taken in the mine at one time. This recommendation was made with a view of keeping the men from opening their powder kegs with picks, which had been the custom. Also that two doors be placed on the main entry where curtains were then used.

CLAY COUNTY COAL COMPANY.

Hima, Clay County, Kentucky.

Main Office, Hima, Ky.; Railroad, C. & M.

President and General Manager, I. H. Buchanan, Hima, Kentucky; Treasurer, J. W. Buchanan, Maryville, Tenn.; Foreman, M. A. Greene.

This mine is in the Blue Gem or Horse Creek seam, which has a thickness varying from 38 to 42". Part of the coal is shot on the solid, but the bigger portion is undercut with a Goodman shortwall machine. The coal is all hauled by mules and the daily output is about 350 tons and is prepared over bar screens and shipped as three grades, namely, slack, nut and block.

The mine was examined on July 28th, 1922, and found to be in good condition.

MOUNTAIN GEM COAL COMPANY.

East Bernstadt, Laurel County, Ky.

Main Office, Realty Bldg., Louisville, Ky.; Railroad, R. R. R. R. Company.

President, C. T. Meredith, Louisville, Ky.; General Manager, L. M. Burk, East Bernstadt, Ky.; Treasurer, Geo. Miller, Jr., Louisville, Ky.; Foreman, Geo. Parks.

This company operates two small mines in the Pittsburgh or Jellico seam, which averages about 32" in thickness. The coal is all shot on the solid and hauled by mules. The daily output is about 300 tons and is all shipped as run-of-mine. Ventilation, which is fairly good, is supplied by a furnace.

The mines were not working on the day of inspection.

PENNINGTON & GRIFFITH, Lessee.

Beatty Mines, East Bernstadt, Laurel County, Ky.

Railroad, R. R. R. R. Company.

Superintendent and Foreman, Clarence Centers.

This is a small mine in the Pittsburgh or Diamond seam and varies in thickness from 30 to 34". The coal is all shot on the solid and hauled by mules. Ventilation, which is good, is supplied by a furnace. Daily output of about 50 tons is shipped as run-of-mine. About 25 men are employed.

The mine was examined on August 3rd, 1922, and recommendations were: That a first aid kit and stretcher be provided; that copper tampers only be used; that men be stopped from opening powder kegs with picks.

McNEIL BROTHERS COAL COMPANY.

Pittsburgh, Laurel County, Kentucky.

Main Office, Pittsburgh, Ky.; Railroad, R. R. R. R. Co.

President, J. R. McNeil, Pittsburgh, Ky.; General Manager, R. McNeil, Pittsburgh, Ky.; Treasurer, S. E. McNeil, Pittsburgh, Ky.; Foreman, N. H. Hampton.

This company operates two drift mines, called the Jewel and Klondike mines, in the Pittsburgh seam, which varies from 36 to 40" in thickness. The coal is all shot on the solid and hauled by mules. Ventilation, which is fairly good, is supplied by furnaces. The daily output is about 200 tons.

The mine was not working on the day it was inspected, consequently no air readings were taken. Recommendations were: That a first aid kit and stretcher be provided; that copper tampers only be used; that men be stopped from opening powder kegs with picks.

HOUSE CLOYD COAL COMPANY.

Viva, Harlan County, Kentucky.

Railroad, R. R. R. R. Company.

This mine is in the Pittsburgh or Diamond seam, which averages about 30" in thickness at this point. The coal is shot on the solid and hauled by mules. Ventilation, which is fairly good, is supplied by a furnace. The coal is all shot on the solid and hauled by mules. About 14 men are employed.

This mine was examined on August 2nd, 1922, and recommendations were: That copper tampers only be used; that a first aid kit and stretchers be provided; that the men be stopped from opening powder kegs with picks.

LAUREL COAL COMPANY.

East Bernstadt, Laurel County, Ky.

Main Office, East Bernstadt, Ky.; Railroad, R. R. R. R. Co.

President and Owner, Lee Caldwell, East Bernstadt, Ky.; Foreman, Chas. C. Williams.

This is a small mine, which works about 32 men, in the Pittsburgh or Diamond seam, which averages about 3' in thickness. The coal is shot on the solid and hauled by mules. The daily output of about 100 tons is shipped as run-of-mine. The mine is wet and is ventilated by furnace.

The mine was examined on August 1st, 1922, and recommendations were: That only copper tampers be used; that the men be stopped from opening powder kegs with picks; that powder be stored in boxes and not along the rib.

KENTUCKY CARDINAL COAL CORPORATION.

Cardinal, Bell County, Kentucky.

Main Office, Cardinal, Ky.; Railroad, L. & N.

President, J. C. Stras; General Manager, J. C. Stras; Foreman, S. B. Surgener.

This mine is in the Harlan seam, which has an average thickness of 54 in. at this point. The coal is transferred over an incline approximately 1,800 ft. in length to the tippie.

The coal is undercut by four shortwall machines and haulage is electric locomotives. The Harlan seam has a dip of about two per cent at this point, and as the main workings are driven to the dip haulage is a little difficult.

Ventilation is supplied by a five-foot disc fan, but was found to be rather poor at the working face due to leaky stoppings.

Recommendations were: That stoppings be repaired so as to conduct air to the working face and the trolley wires be guarded.

GOLDEN ASH COAL COMPANY.

Kitts, Harlan County, Kentucky.

Main Office, Williamsburg, Ky.; Railroad, L. & N.

President, T. B. Mahan, Williamsburg, Ky.; General Superintendent, W. A. Ellison, Kitts, Ky.; Treasurer, A. V. Brown, Williamsburg, Ky.; Foreman, Fred Helton, Kitts, Ky.

This mine is in the Harlan seam, which has a thickness of 44 in. at this point.

Equipment consists of three electric locomotives, four shortwall machines, shaker screens and loading booms. The coal is conveyed in mine cars over an incline approximately twelve hundred feet from the mine to the tippie. Sizes shipped consist of run-of-mine, slack, nut, egg, lump and block.

Ventilation, which is good, is supplied by an eight foot disc fan, four splits are used to conduct the air to the working face. Timbering, ventilation, clearance, drainage and in fact practically all conditions were found satisfactory. No recommendations were made.

ELLIS KNOB COAL COMPANY.

Cawood, Harlan County, Kentucky.

Railroad, L. & N.

Superintendent, John Pope; Foreman, W. M. Stewart.

This mine is located on Martin's fork of Cumberland river, about ten miles from Harlan. The mine is in the Harlan seam,

which at this point is approximately 1,000 ft. on the mountain. The Harlan seam is about 58 in. in thickness at this point.

The mine is ventilated by a six-foot disc fan and the current split into three currents. With the exception of the main heading, the ventilation is good. One recommendation was that the regulator at 1st right be changed so as to force more air to the main heading and that trap doors at 3rd and 4th left be repaired.

A bad draw slate, which disintegrates rapidly, is present, and during the summer months especially is very troublesome. Trolley wires needed guarding in several places, but the foreman's explanation was that due to hangers falling out with the draw slate it was very difficult to keep the wires guarded.

HARLAN CUMBERLAND COAL COMPANY.

Totz, Harlan County, Kentucky.

Main Office, North Fork, W. Va.; Railroad, L. & N.

President, W. B. Stevens, Eckman, W. Va.; Vice-President, Floyd E. Cunnyham, Eckman, W. Va.; Treasurer, Harry Totz, North Fork, W. Va.; General Manager, A. J. Stewart, Totz, Ky.; Foreman, G. M. Cameron.

This mine is in the Harlan seam, at Totz, Ky., on Poor fork of the Cumberland river. Although classed as a drift mine, the mine is really a slope, as the workings have been on a slope of approximately eight per cent. However, at the time the mine was examined the indications were that the workings were striking a level at several points. The workings so far have been more of a test of the property than actual operation and if conditions improve extensive development will be made.

The coal is undercut by shortwall machines and haulage is by electric locomotives and hoists. The coal is very high grade and shipped as slack, nut, egg, lump, and run-of-mine.

This is one of the few mines in the Harlan field having its own power plant. The mine was examined on October 23rd and recommendations were: That breakthroughs be made every sixty feet; that wires be guarded at all places necessary.

LOONEY CREEK COAL COMPANY.

Clutts, Harlan County, Kentucky.

Main Office, 422 Boob Bldg., Detroit; Railroad, L. & N.

President, H. J. Hood, Detroit, Mich.; Treasurer, H. C. Stevenson, Detroit, Mich.; General Superintendent, T. J. Brennan; Foreman, E. H. Gates.

This company operates two mines in the Kellioka seam. The mines are in separate seams, which are separated by about fifty feet of strata and are classified as B and C of the Kellioka seam.

Equipment consists of one five-ton locomotive, three short-wall machines and shaker screens. Power plant equipment consists of two three hundred H. P. fire tube boilers, one 100 K. W. and one 40 K. W. generating units. The coal is gathered with mules and an aerial tramway carrying two buckets transfers the coal from the mine to the tippie.

Ventilation is supplied by two five and six foot disc fans and is very good.

The mine was examined on October 25th and recommendations were: That copper tampers only be used; that one day's supply of powder be taken inside at a time.

HARLAN GEM COAL COMPANY.

Ages, Harlan County, Kentucky.

Main Office, Ages, Ky.; Railroad, L. & N.

Superintendent and Foreman, John Ledford, Ages, Ky.

This is a small mine located on the south side off Clover fork of the Cumberland river at Ages, Ky. The coal is undercut by a shortwall machine and halued by mules. An aerial tramway carrying two buckets is used to transfer the coal from the tip house to the tippie across Cumberland river. Preparation is over gravity screens. The coal averages about 40 inches in thickness, with a good roof, and is free from partings.

The mine was examined on December 12th and recommendations were: That first aid supplies, an anemometer and stretcher be procured; that stoppings be made on 4 right so as to conduct air to the face. Ventilation, which is fairly good except on 4 right, is equipped by a 4 ft. disc fan.

KING HARLAN COAL COMPANY.

Kildav, Harlan County, Kentucky.

Main Office, 34 Ingalls Bldg., Cincinnati, O.; Railroad, L. & N.

President, A. C. Marshall, Detroit, Mich.; Treasurer, R. W. Syrnes, Detroit, Mich.; Superintendent, A. L. Tinsley, Kildav, Ky.; Foreman, George Luke.

This mine is in the Harlan seam on the south side of Clover fork of the Cumberland river, about seven miles from Harlan. The coal averages 44 in. in thickness and is free from parting.

Equipment consists of five locomotives, four shortwall machines, shaker screens, picking tables and a loading boom. Ventilation is supplied by a ten-foot disc fan and the current divided into three splits. Timbering and drainage are fairly good.

The mine was examined on December 18th and recommendations were: That the oil stored near the drift mouth be moved; that brattices be built at the junction of 3rd and 4th right with new main so as to force air to main heading; that duobel and caps be kept apart, the caps in a rib hole at least twenty feet from explosives; that only one day's supply of caps and explosives be taken inside at a time.

KENTUCKY HARLAN COAL COMPANY.

Harlan, Harlan County, Kentucky.

Main Office, Harlan, Ky.; Railroad, L. & N.

President, F. W. Harrop, Somerset, Ky.; Vice-President, G. W. McCardell, Williamsport, Md.; Treasurer and Manager, S. A. Douglas, Harlan, Ky.; Foreman, Enoch Shelton.

This is a small mine in the Harlan seam and the tippie is about three hundred yards from the L. & N. station. The coal averages 51 inches in thickness and is free from parting. Undercutting is done with two breast machines, gathered with mules and hauled to the tip house by a storage battery locomotive and transferred to the tippie by an aerial tramway. The output of about three hundred tons daily is prepared over shaker screens.

Ventilation, timbering and drainage were fairly good and no recommendations were made. The mine was examined on December 19th.

MELCROFT COAL COMPANY (Kayu Mine).

Coxton, Harlan County, Kentucky.

Main Office, 800 Union Arcade, Pittsburgh; Railroad, L. & N. President, H. B. Rust, Pittsburgh, Pa.; Treasurer, S. T. Brown, Pittsburgh, Pa.; General Superintendent, F. M. Medaris, Coxton, Ky.; Foreman, L. Lingar, Coxton, Ky.

This company operates two mines in the Harlan seam at Coxton, Ky., on Clover fork of the Cumberland river, about four miles from Harlan.

Extensive equipment, consisting of five trolley-pole locomotives, six shortwall machines, shaker screens and loading booms, is provided. The coal is conveyed from the tiphouse to the tipple by a button conveyor.

A seven-foot disc fan is used, but on account of leaky stoppings the ventilation is very poor. In places the airways were almost blocked by falls of slate. Leaky stoppings in the main chain pillar were being replaced by brick stoppings, but work was progressing at a slow rate.

The mine was examined on December 20th and recommendations were: That exploders and monobel be kept at least thirty feet apart in rib holes; that wires be guarded at junctions of all entries and at room necks; that, inasmuch as no readings could be gotten after passing 4th right, brattice and doors be repaired, airways cleared of falls and the air conducted to the working face.

MELCROFT COAL COMPANY (Coxton Mine).

Coxton, Harlan County, County.

General Superintendent, F. M. Medaris; Foreman, J. C. Tolliver.

Equipment at this mine consists of six trolley-pole locomotives, six shortwall machines, four pumps, shaker screens, picking tables and loading booms. The mine is an older one than the Kayu mine and conditions are somewhat better.

Ventilation is provided by a seven-foot fan and the air allowed to split itself near the main heading. The result was that the major portion of the air was returning via the left workings and only about 1,000 cubic ft. via the right workings, where

most of the men were employed. Duobel and exploders were found in the same boxes, within a few feet of the working face in some instances.

Recommendations were: That a regulator be placed in the main heading and the major portion of the air returned through the right workings; that duobel and exploders be kept at least thirty feet apart in rib holes; that wires be guarded at junctions of all entries, room necks and cross-overs.

HARLAN GAS COAL COMPANY.

Harlan, Harlan County, Kentucky.

Main Office, Detroit Mich.; Railroad, L. & N.

President, Alex. Y. Malcomson, Detroit, Mich.; Treasurer, H. W. Mandel, Detroit, Mich.; General Manager, S. A. Douglas, Harlan, Ky.; Foreman, M. Donahue, Harlan, Ky.

This mine is in the Harlan seam, about one mile from Harlan, on Clover fork of the Cumberland river. The coal averages 54 in. thick and is shipped in four grades.

Equipment consists of seven shortwall machines, trolley-pole type locomotives, shaker screens and loading booms. An incline approximately two thousand feet is used to drop the coal in mine cars to the tipple.

Ventilation is provided by an eight-foot disc fan and is fairly good, with the exception of a few entries on which leaky stoppings lose considerable air. This condition, however, is being rapidly improved and I was assured that within a few days ventilation on these entries would be much improved.

The mine was examined on December 28th and recommendations were that the first aid cabinet inside be refilled.

HARLAN COLLIERIES COMPANY.

Main Office, Ages, Ky.; Railroad, L. & N.

President, B. W. Whitfield, Harlan, Ky.; Treasurer, E. B. Cornett, Ages, Ky.; Superintendent, E. B. Cornett, Ages, Ky.; Foreman, Virgil Moore.

This mine is in the Harlan seam at Ages, Ky., five miles from Harlan. Equipment consists of five shortwall machines, three trolley-pole type locomotives, two pumps, shaker screens

and a loading boom. The coal is shipped in five sizes. The Harlan seam at this point is 47 inches in thickness.

Ventilation is supplied by six and seven feet disc fans, and were it not for the fact that the mine is worked on a panel system, with the panels rather short, it would be rather poor, due to the use of curtains over room necks. Timbering, drainage, etc., were satisfactory.

The mine was examined on January 1st, 1923, and found in fair condition, with the exception of the trolley wires, which needed guarding at several places.

BROWN AND SHARP COAL COMPANY.

Lejunior, Harlan County, Kentucky.

Main Office, Lejunior, Ky.; Railroad, L. & N.

Superintendent, John Brown, Lejunior, Ky.; Foreman, D. M. Taulbee.

This is a small mine in the Harlan seam, about three miles from Evarts, Ky., on Clover fork. The coal is shot off the solid and hauled by mules. The mine is but little above tippie height and the coal is tipped into a bin, holding two or three cars, within a few feet of the drift mouth.

Ventilation, which is excellent, is provided by a 4 ft. disc fan. The daily output of about three hundred tons is shipped as run-of-mine.

The mine was examined on January 2nd, 1923, and found in good condition.

UNITED STATES COAL & COKE CO.

Lynch, Harlan County, Kentucky.

It is said this is the largest mine shipping over one tippie in the world. It employs 1,500 men inside the mine, and 350 men outside the mine, with a town of 4,000 people. The mine has produced 5,000,000 tons in 3½ years. It is equipped with the most modern machinery there is to be had. The mine is laid out in panels and flats, with a cut boss supervising each flat or district under direct charge of the mine foreman and assistants. These again come under the charge of Mr. A. G. Hahn, Resident Company Inspector, directed by Mr. E. V. Albert, Supt. All

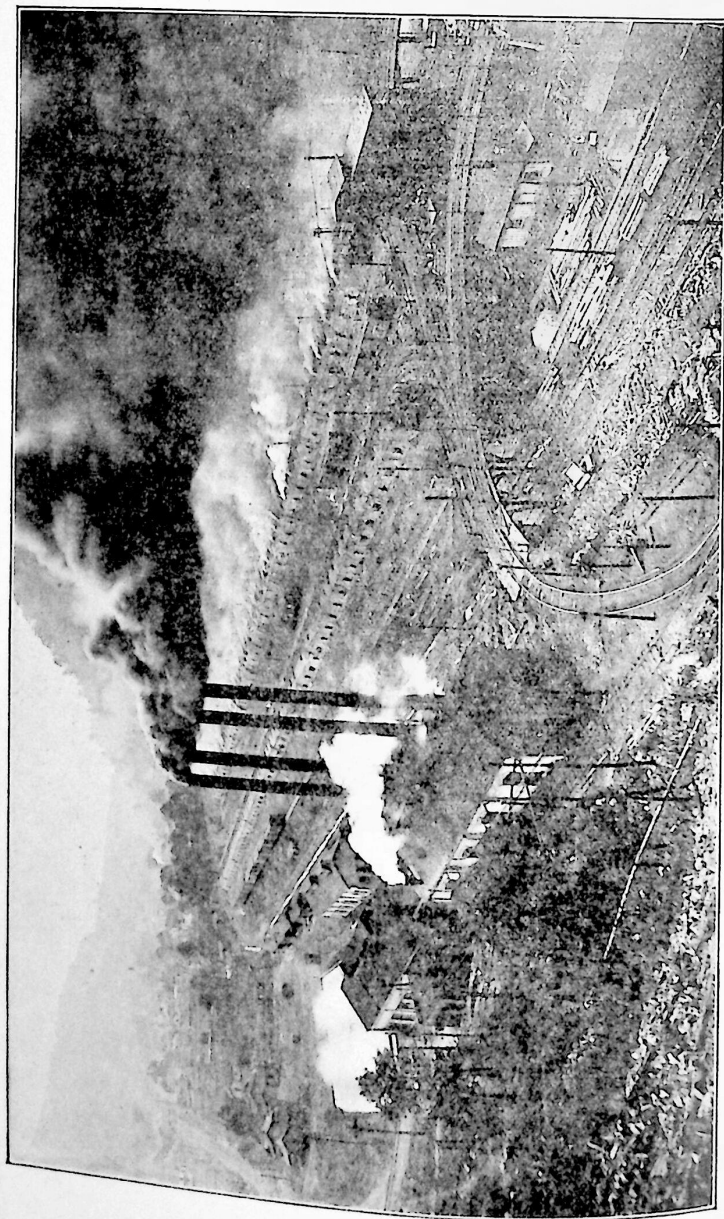
of the plans of workings made by the engineers are first approved by Mr. Edward O'Toole, General Manager, of Gary, W. Va., where they have large operations under his supervision.

Every plan and profile is strictly adhered to and the greatest efficiency is attained. The rules of the company and the mining laws must be lived up to to the letter and the mine is 100% sanitary. The ventilation is produced by a powerful fan. The air is divided into splits by overcasts. The mine is lighted by electricity even to the face. Danger signals are posted over the mine in glass boxes with lights inside, and safety first is their slogan. Men are required to travel in and out on special traveling ways electrically lighted.

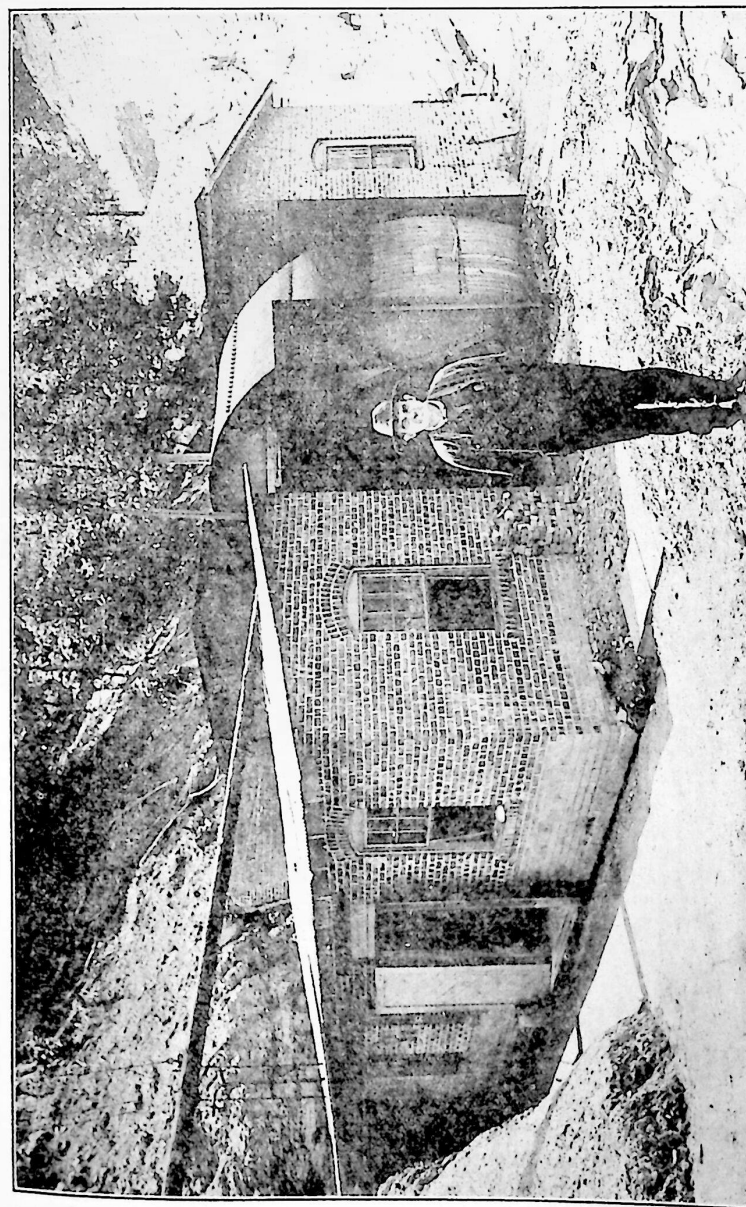
The tippie is too extensive to describe and it would be interesting to those who have not seen the U. S. Coal & Coke Co.'s mine and tippie and town to visit them. The town has its own refrigerating and bakery plants and more than 2,000 loaves of bread are baked there per day. The store is the most up-to-date we have in America. The houses for miners are of the best design, with sanitary closets, and premiums are given each year for the best yards and gardens.

This town has an up-to-date hotel, a first class hospital, macademized streets, wash houses for the miners, separated for colored and white, and a road is now being made to connect with the town Appalachian in Virginia, where it will be possible to motor or connect with fast trains or motor to New York.

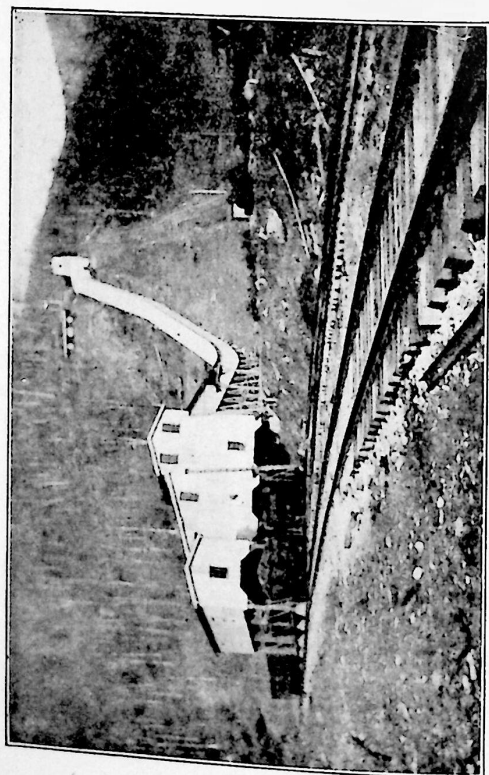
This department has had full co-operation from this company in every respect.



Wisconsin Steel Co., Benham, Harlan County, Ky.



No. 1 Fan Wisconsin Steel Co., Benham, Harlan County, Ky.



Conveyor 4 Tipple, Crown By-Product Coal Co., Chevrolet, Harlan County, Kentucky.

SIXTH DISTRICT

Hon. Lawson Blenkinsopp,
Chief Inspector of Mines,
Lexington, Ky.

Dear Sir:

I herewith submit my annual report for the Sixth District of Kentucky for the year ending December the 31st, 1922. I am pleased to report that I have received the hearty cooperation of the operators and mine officials of my district during the past year.

According to the incomplete record I have the district shows about half as many fatal accidents this year as it did for the year 1921, and with the same cooperation during the coming year the number should be greatly decreased.

In the report which follows the equipment and names of the officials of the different companies will be omitted, as to give such information would make this report entirely too long.

Respectfully yours,

H. C. FAULKNER,

Asst. Mine Inspector of Sixth District.

CONEVA COAL CORPORATION, Chavies, Ky.

This company is working the No. 4 seam of coal at their No. 1 mine, which is a drift mine and the coal is four feet thick. The coal is mined with electric machinery and hauled with electric motor. They are also working No. 4 rider seam which is thirty-eight inches thick and free from parting at their No. 2 and No. 3 mines. Inspected March 14th, 1922.

BERMUDA COAL COMPANY, Chavies, Ky.

This mine is located near Chavies, Kentucky, and is working the No. 6 seam of coal, which is five feet thick. The coal is being mined with electric cutting machines and hauled with electric motors. This mine was not inspected during the year, as it only began to ship coal the latter part of the year.

OLD HOUSE COAL COMPANY, Chavies, Ky.

This company is mining the No. 4 seam of coal, which is thirty-six inches thick. Inspected July the 21st, 1922.

R. C. HOLBROOK, TRUSTEE, Krypton, Ky.

This company is mining No. 4 seam of coal, which is forty-three inches thick at this place. The coal is being shot from the solid. Mine was inspected July the 21st, 1922.

MUNCY COAL COMPANY, Krypton, Ky.

This company is operating in the No. 6 seam of coal, which is fifty-four inches thick at this place. This mine was inspected but no report was made on the same as they were not working at the time of the inspection. The coal is being shot from the solid and hauled with mules.

YORK COAL COMPANY, Krypton, Ky.

This company is mining the No. 4 seam of coal, which is forty-two inches thick. The coal is being shot from the solid and hauled with mules. Mine was inspected July the 29th, 1922.

LINCOLN COAL COMPANY, Napfor, Ky.

This company is mining the No. 6 seam of coal, which is forty-two inches thick. The coal is being shot from the solid and hauled with mules. Mine was inspected July 29th, 1922.

LINCOLN COAL COMPANY, Napfor, Ky.

This company is mining the No. 7 seam of coal at their Nos. 1, 7 and 9 mines. The coal is fifty-two inches thick and is mined with electric machinery and hauled with electric motor. These mines were inspected on the 13th of January, 1922.

They have also recently opened the No. 6 seam of coal, which has not yet been inspected.

BLUE JAY COAL COMPANY, Krypton, Ky.

This company is operating in the No. 4 seam of coal, which is forty-four inches thick. Coal is being shot from the solid and hauled with mules. Mine was inspected August 30th, 1922.

YERKES COAL COMPANY, Yerkes, Ky.

This company is working the 5-A seam of coal, which is thirty-two inches thick. Coal is being shot from the solid and hauled with mules. I have never inspected this mine as it seldom runs and as there has never been any of the officials at the mine when I was there to give me any information. This is a very small mine.

SOLAR COAL COMPANY, Yerkes, Ky.

This company is mining the No. 6 seam of coal, which is five feet six inches. The coal is being mined with electric machinery and hauled with electric motor. Their No. 1 mine was completed during the year and they opened up their No. 2 mine in the same seam and now the coal from the No. 2 mine is being hauled to their tippie at their No. 1 mine. These mines were inspected January the 17th, 1922, and September 7th, 1922.

COLWELL-BLYTHE COAL COMPANY, Yerkes, Ky.

This company is mining the No. 6 seam of coal, which is five and one-half feet thick. Coal is being shot from the solid and hauled with mules. I inspected this mine on September 7th, 1922, but made no report on the same as they were not working enough men to be subject to the mining law.

BLACK JOE COAL COMPANY, Butterfly, Ky.

This company is mining the No. 6 seam of coal, which is fifty-eight inches thick. The coal is being shot from the solid and hauled with mules. The company is planning to electrify this mine in the near future. I inspected this mine June 19th, 1922.

MITCHELL-WILLIS COAL COMPANY, Typo, Ky.

This company is operating in the No. 6 seam of coal, which is six and one-half feet thick. Coal is being shot from the solid and hauled with mules. Mine inspected May 22nd, 1922.

LIBERTY COAL COMPANY, Bonnyman, Ky.

This company is mining the No. 6 seam of coal, which is six and one-half feet thick. Coal is being cut with electric cut-

ting machine and hauled with electric motor. Their No. 3, 4 and 7 openings were inspected January 3rd, 1922.

CRAWFORD COAL COMPANY, Bonnyman, Ky.

This company is mining at their Nos. 1, 2, 3, 4 and 5 openings the No. 6 seam, which is seven feet thick. Coal is being cut with electric cutting machine and hauled with electric motors. These mines were inspected January 10th, 1922.

KENTUCKY BLOCK COAL COMPANY, Blue Diamond, Ky.

This company is mining at their Nos. 3, 4 and 5 mines the No. 6 seam of coal, which is five feet thick. Coal is being cut with electric cutting machine and hauled with electric motor. These mines were inspected on January 10th, 1922.

BLUE DIAMOND COAL COMPANY, Blue Diamond, Ky.

This company is mining the No. 6 seam of coal at their old side mine and also at their new side mine, which is five feet thick. Coal is being cut with electric cutting machine and hauled with electric motor.

FIRST CREEK COAL COMPANY, Blue Diamond, Ky.

This company is mining the No. 6 seam of coal, which is six feet thick. Coal is being cut with electric cutting machine and hauled with electric motor.

HAZARD JELLICO COAL COMPANY, Staub, Ky.

This company is mining the No. 6 seam of coal at No. 2, 3 and 4 mines, which is four and one-half feet thick. Coal is being cut with electric cutting machine and hauled with electric motor. These mines were inspected on the 11th and 12th of January, 1922.

HIMYAR COAL COMPANY, Domino, Ky.

This company is mining the No. 6 seam of coal at Nos. 1, 2, 3, 6 and 7 mines. The coal, which is six feet thick, is being cut with electric cutting machines and hauled with electric motor. These mines were inspected December 21st, 1922.

NUMBER FOUR SUPERIOR COAL COMPANY, Combs, Ky.

This company is mining the No. 4 seam of coal, which is forty-two inches thick. Coal is cut with electric machines and hauled with storage battery motor. This company's No. 3 and No. 6 openings were inspected December 27th, 1922.

MAYNARD COAL COMPANY, Lennut, Ky.

This company at their No. 6 plant are operating the No. 4 seam of coal, which is forty inches thick, at both their north side opening and their south side opening. The coal is being cut with electric cutting machines and hauled with electric motors.

MAYNARD COAL COMPANY, Lennut, Ky.

This company at their No. 7 plant is operating both the No. 6 seam, which is forty-two inches thick, and the No. 7 seam, which is five feet thick. The coal is cut with electric cutting machines and hauled with electric motors.

WALKERS BRANCH MINING COMPANY, Hazard, Ky.

This company is operating the No. 4 seam of coal, which is forty inches thick. Coal is being cut with electric cutting machines and hauled with electric motors. This mine was inspected June 16th and November 8th, 1922.

COLUMBUS MINING COMPANY, No. 4 MINE, Hazard, Ky.

This company is mining the No. 4 seam of coal at their No. 1 and 2 openings. The coal is forty-two inches thick and is cut with electric cutting machines and hauled with electric motors. Both openings were inspected December 8th and 13th, 1922.

COLUMBUS MINING COMPANY No. 5 MINE, Hazard, Ky.

This company is operating the No. 6 seam at their No. 6 opening, coal being forty-eight inches thick, and the No. 7 seam at the Nos. 4, 5 and 7 openings, which is five feet thick. The coal in both these seams is cut with electric cutting machines and hauled with electric motors. I inspected the No. 6 opening December 14th, 1922, and the Nos. 4, 5 and 7 openings December 18th, 1922.

COLUMBUS MINING COMPANY, No. 6 MINE, Hazard, Ky.

This company is mining the No. 4 seam of coal, which is forty inches thick and is cut with electric cutting machines and hauled with electric motors. I inspected this mine on June 13th and December 29th, 1922.

DARB FORK COAL COMPANY, Hazard, Ky.

This mine is operating No. 4 seam of coal, which is thirty-six inches thick and is shot from the solid and hauled with mules. These people expect to electrify this mine in the near future. I inspected this mine on April 6th, 1922.

INDIAN HEAD COAL COMPANY, Bulan, Ky.

This company is operating No. 4 seam of coal, which is thirty-six inches thick and is being cut with electric cutting machines and hauled with electric motors.

TRACE FORK COAL COMPANY, Bulan, Ky.

This company is mining the No. 4 seam of coal, which is forty inches thick. Coal is being cut with electric cutting machines and hauled with electric motor. I inspected this mine on May 23rd and November 22nd, 1922.

AJAX COAL COMPANY, Bulan, Ky.

This company is operating the No. 4 seam of coal at both their No. 1 and No. 2 mines. This coal is forty inches thick and is being cut with electric cutting machines and hauled with electric motors.

NEW DUANE COAL COMPANY, Bulan, Ky.

This company is operating the No. 4 seam of coal, which is forty inches thick. The coal is being cut with electric cutting machines and hauled with mules. I inspected this mine May 19th, 1922.

LOTS CREEK COAL COMPANY, Bulan, Ky.

This company is mining the No. 7 seam of coal, which is fifty-two inches thick, at their Nos. 1, 2 and 3 openings. The

coal is being cut with electric cutting machines and hauled with electric motors. I inspected these mines on February 5th and December 28th, 1922.

MAYNARD COAL COMPANY, No. 8 MINE, Heiner, Ky.

This company is operating the No. 7 seam of coal, which is fifty-two inches thick at their Nos. 1 and 2 openings. Coal is being cut with electric cutting machines and hauled with electric motors.

KENTUCKY RIVER MINING COMPANY, Heiner, Ky.

This company is mining the No. 7 seam of coal, which is forty-four inches thick at their Nos. 4 and 5 mines. Coal is being cut with electric cutting machines and hauled with electric motors. I inspected their No. 4 mine on the 11th of December, 1922, and their No. 5 mine on the 15th of December, 1922.

MIDLAND MINING COMPANY, Tribbey, Ky.

This company is mining the No. 7 seam of coal, which is four feet thick. Coal is cut with electric cutting machines and hauled with electric motor.

HARDY-BURLINGTON COAL COMPANY, Hardburly, Ky.

This company is operating the No. 7 seam of coal, which is fifty-two inches thick at both their No. 3 and their No. 5 mines. The coal is being cut with electric cutting machine and hauled with electric motor.

HAZARD BLUE GRASS COAL CORPORATION, Hazard, Ky.

This company at their No. 1 plant is mining the No. 4 seam at their No. 4 opening. The coal is thirty-eight inches thick and is cut with electric cutting machine and hauled with electric motor. This mine was inspected August 18th, 1922. They are also operating the No. 6 seam at their No. 6 opening. The coal is four feet thick. This mine was inspected August 14th, 1922. At this plant they are also operating a No. 7 seam, which is thirty-eight inches thick. Coal is being cut with electric cutting machine and hauled with electric motors. This mine was inspected August 20th, 1922.

HAZARD BLUE GRASS COAL CORPORATION, Hazard, Ky.

This company at their No. 2 plant is operating the No. 4 seam, which is thirty-six inches thick at their Nos. 1 and 2 openings. These mines were inspected November 9th and 10th, 1922. They are also operating the No. 7 seam at their No. 7 and 8 openings. This seam is fifty inches thick. I inspected both of these mines on November 13th, 1922. The coal at all these openings is being cut with electric cutting machines and hauled with electric motor.

ALGOMA BLOCK COAL COMPANY, Lothair, Ky.

This company is working the No. 7 seam of coal, which is five feet thick at their No. 3 mine, which was inspected November 28th, 1922, and at their Nos. 4, 5, 6, 7, 8 and 9 openings, which were inspected December 1st, 1922. Coal is being cut with electric cutting machine and hauled with electric motor.

ASHLESS COAL CORPORATION, Lothair, Ky.

This company is operating No. 4 seam of coal, which is forty-two inches thick at their Nos. 1, 2 and 4 mines. I inspected No. 1 mine November 14th, 1922, and the No. 4 mine November 15th, 1922, and the No. 2 mine November 17th, 1922. Nos. 1 and 4 mines are electrified and No. 2 mine is a solid mine.

COLUMBUS MINING COMPANY, No. 3 MINE, Christopher, Kentucky.

This company is working No. 4 seam of coal, which is thirty-six inches thick at their Nos. 1 and 2 openings. The coal is cut with electric cutting machines and hauled with electric motors. I inspected these mines January 19th, 1922.

JOHN P. GORMAN COAL COMPANY, Diablock, Ky.

This company is working No. 4 seam of coal, which is forty inches thick at the Nos. 1, 2, 3 and 5 openings. I inspected these mines on the 5th and 6th of January and the 6th and 7th of December, 1922. They are also working the No. 7 seam of coal, which is five feet thick at their No. 7 mine. The coal is being cut with electric cutting machines and hauled with electric motors.

DIAMOND BLOCK COAL COMPANY, Diablock, Ky.

This company is mining the No. 4 seam of coal, which is four feet thick at their No. 4 mine. The coal is cut with electric cutting machines and hauled with electric motors. This mine was inspected January 18th and November 22nd, 1922.

RELIANCE COAL & COKE COMPANY, Glowmar, Ky.

This company is operating No. 7 seam of coal, which is five feet thick at their Nos. 1 and 4 mines. The coal is being cut with electric cutting machines and hauled with electric motors. I inspected these mines January 22nd, 1922.

STORM KING COAL COMPANY, Storm King, Ky.

This company is operating No. 4 seam of coal, which is thirty-five inches thick and is cut with electric cutting machines and hauled with electric motors. I inspected this mine January 24th, 1922.

KENMONT COAL COMPANY, Jeff, Ky.

This company is working the number 7 seam at their No. 1 and No. 4 openings, which coal is five feet thick and being cut with electric machines and hauled with electric motors. Both mines were inspected January 25th, 1922. They are also working the No. 9 seam, which is from five feet to seven feet thick and is being cut with electric machines and hauled with electric motors. These two mines were inspected February 2nd, 1922.

CLINTON COAL COMPANY, Jeff, Ky.

This company is working No. 4 seam of coal at its No. 4 mine. The coal is thirty-six inches thick and is being shot from the solid and hauled by mules. This mine was inspected July 18th, 1922. They have recently opened the No. 7 seam, which is forty-eight inches thick, but no inspection has been made of this mine yet.

THE HAZARD BLOCK COAL COMPANY, Jeff, Ky.

This company is working the No. 4 seam of coal, which is fifty-one inches thick at their No. 2 and No. 3 mines. These mines were inspected February 17th, 1922.

BLACK HAWK COAL COMPANY, Happy, Ky.

This company was formerly the Logan Elkhorn Coal Company. They are working the No. 4 seam of coal at their No. 1 mine, the coal being five feet thick and is shot from the solid and hauled with mules. They are planning to electrify this mine in the near future. It was inspected by me March 10th, 1922.

HAPPY COAL COMPANY, Happy, Ky.

This company is working the No. 4 seam of coal, which is five feet thick at their Happy mine. The coal is being cut with electric cutting machines and hauled with electric motors. This mine was inspected February 3rd and November 16, 1922.

DEFIANCE COAL COMPANY, Happy, Ky.

This company is working the No. 7 seam of coal, which is five feet thick at their Nos. 1, 3, 7, 9 and 10 openings. The coal is being cut with electric cutting machines and hauled with electric motors. These mines were inspected February 7th, November 23rd and 24th, 1922.

SCUDDY COAL COMPANY, Happy, Ky.

This company is working the No. 4 seam of coal, which is fifty-two inches thick at its No. 1 and No. 2 mines. Coal is being cut with electric cutting machines and hauled with electric motors. These mines were inspected February 16, 1922.

MONTGOMERY CREEK COAL COMPANY, Montago, Ky.

This company is working the No. 4 seam of coal, which is thirty-eight inches thick. This mine was electrified during the year and was inspected February 6th, 1922.

MEEN-HASKINS COAL COMPANY, Montago, Ky.

This company is working the No. 4 seam of coal, which is fifty-seven inches thick at its No. 1, No. 2 and No. 3 mines. Its No. 2 and No. 3 mines were opened during the year 1922. All three mines are electrified and were inspected February 8th and September 8th, 1922.

CARRS FORK COAL COMPANY, Allock, Ky.

This company is working the No. 4 seam of coal at its Nos. 1, 2, 3, 4 and 5 openings. The coal at this place is forty-two inches thick. These openings were inspected February 20th, 1922. They are also working the No. 7 seam of coal, which is fifty-two inches thick at their No. 2 mine, Nos. 1, 2 and 3 openings. These openings were inspected February 21st, 1922.

WISCONSIN COAL CORPORATION, Sassafras, Knott County, Ky.

This company is working the No. 9 seam of coal, which is seven feet thick at their Nos. 1, 2 and 3 openings. These openings were inspected February 8th, 1922. The coal is being cut with electric machines and hauled with electric motors.

PERKINS BOWLING COAL COMPANY, Sassafras, Knott County, Ky.

This company is mining the No. 7 seam of coal, which is fifty-one inches thick at their No. 1 mine. The coal is being cut with electric cutting machines and hauled with electric motors. The mine was inspected February 9th, 1922.

KNOTT COAL COMPANY, Sassafras, Knott County, Ky.

This company is working No. 9 seam of coal, which is seven feet thick. The coal is being cut with electric cutting machines and hauled with electric motors. This mine was inspected February 9th, 1922.

MASON CREEK COAL COMPANY, Viper, Ky.

This company is working the No. 4 seam of coal, which is forty-eight inches thick at their Kentucky Lion Mine. The coal is being shot from the solid and hauled with mules. This mine was inspected May 24th, 1922.

LIGGETT COAL COMPANY, Viper, Ky.

This company is mining No. 4 seam of coal, which is forty-four inches thick at their No. 4 mine. The coal is being cut with electric cutting machines and hauled with electric motors. This mine was inspected July 7th, 1922.

HOMBRE COAL COMPANY, Hombre, Ky.

This company is working the No. 4 seam of coal, which is fifty inches thick at its No. 4 mine. The coal is cut with electric cutting machines and hauled with electric motors. This mine was inspected February 24th, 1922.

OSCEOLA COAL COMPANY, Fusonia, Ky.

This mine was formerly the Fort Branch Coal Company. They are working the No. 4 seam of coal, which is sixty-five inches thick and is being shot from the solid and hauled with mules. They plan to electrify this mine in the near future. I inspected this mine May 17th, 1922.

EAST KENTUCKY COAL COMPANY, Fusonia, Ky.

This Company is working the No. 4 seam of coal, which is fifty-two inches thick at their No. 4 mine. The coal is being shot from the solid and hauled with mules. The mine was inspected July 19th, 1922.

COMMERCIAL COAL COMPANY, Ulvah, Ky.

This company is working the No. 4 seam of coal, which is forty-eight inches thick at their No. 2 mine. This mine was electrified during 1922. I inspected this mine on March 28th, 1922.

THE ULVAH COAL COMPANY, Bluefield, Ky.

This company is working the No. 4 seam of coal, which is fifty-two inches thick at their Carpenter mine. The coal is being cut with electric cutting machines and hauled with electric motors. These mines were inspected February 23rd, 1922.

THE JENKINS COAL & COKE COMPANY, Bluefield, Ky.

This company is working the No. 4 seam of coal, which is fifty-two inches thick at their Carpenter mine. The coal is being shot from the solid and hauled by mules. This mine was inspected July 20th, 1922.

BLACKKEY COAL COMPANY, Blackey, Ky.

This company is working the No. 4 seam of coal, which is forty-eight inches thick at their No. 3 mine. The coal is being

cut with electric cutting machine and hauled with electric motor. This mine was inspected March 4th, 1922.

ELK CREEK COAL COMPANY, Blackey, Ky.

This company is working No. 4 seam of coal, which is forty-eight inches thick at their Nos. 1, 2, 3, 4, 5, 6. Coal is being cut with electric cutting machines and hauled with electric motors. These openings were inspected March 3rd, 1922.

CONSOLIDATED FUEL COMPANY, Blackey, Ky.

This company is working the No. 4 seam of coal, which is forty-eight inches thick at its Isabella mine, No. 1 and No. 2 openings. Coal is being cut with electric cutting machines and hauled with electric motors. These openings were inspected March 7th, 1922.

ROCKHOUSE COAL COMPANY, Blackey, Ky.

This company is working No. 4 seam of coal, which is five feet thick at its Nos. 3 and 6 mines. Coal is being cut with electric cutting machines and hauled with electric motors. These openings were inspected March 8th, 1922.

MARION COAL COMPANY, Blackey, Ky.

This company is working No. 4 seam of coal, which is fifty-four inches thick at its Nos. 1 and 3 mines. Coal is being cut with electric cutting machines and hauled with electric motors. These mines were inspected March 20th and 21st, 1922.

EDEN COAL COMPANY, David, Ky.

This company is working the No. 4 seam of coal, which is five feet thick at its Nos. 1 and 2 mines. The coal is being shot from the solid and hauled with mules. These openings were inspected March 21st, 1922.

DUDLEY COAL COMPANY, David, Ky.

This company is working the No. 4 seam of coal, which is fifty-four inches thick at its Nos. 1 and 2 mines. Coal is being cut with electric cutting machines and hauled with electric motors. I inspected these mines March 22nd, 1922.

CONSOLIDATED FUEL COMPANY, Dalna, Ky.

This company is working the Amburgey seam of coal, which is forty-two inches thick at its Jessie mine. The coal is being cut with electric cutting machines and hauled with electric motors. I inspected this mine March 29th, 1922.

AMBURGEY COAL COMPANY, Dalna, Ky.

This company is working the No. 4 seam of coal, which is forty-two inches thick at the No. 4 mine. Coal is being cut with electric cutting machines and hauled with electric motors. I inspected this machine March 30th, 1922. They are also working the Amburgey seam, which is forty-two inches thick.

CONSOLIDATED FUEL COMPANY, Dalna, Ky.

This company is working the No. 4 seam of coal which is five and one-half feet thick at their Ellsie mine. The coal is being cut with electric cutting machine and hauled with electric motor. I inspected this mine April 5th and August 21st, 1922.

STAFFORD COAL COMPANY, Dalna, Ky.

This company was formerly the Barking Coal Company. They are working the Amburgey seam, which is fifty inches thick. The coal is being shot from the solid and hauled with mules. The mine was inspected August 21st, 1922.

COWAN CREEK COAL COMPANY, Iee, Ky.

This company is mining the No. 4 Rider seam of coal, which is fifty-four inches thick at their No. 1 mine. Coal is being cut with electric cutting machine and hauled with electric motor. This mine was inspected April 7th, 1922.

WHITESBURG COAL COMPANY, Whiteo, Ky.

This company is working the No. 4 seam of coal, which is forty-six inches thick at its No. 4 mine. Coal is being cut with electric cutting machine and hauled with electric motor. This mine was inspected May 16th, 1922.

BIG FOUR COAL COMPANY, Whitesburg, Ky.

This company is working the No. 4 seam of coal, which is five and one-half feet thick at its Nos. 1 and 2 openings. Coal is being cut with electric cutting machines and hauled with electric motors. These openings were inspected April 12th, 1922. They are also working the Whitesburg seam of coal, which is forty-four inches thick.

ELKHORN JELICO COAL COMPANY, Whitesburg, Ky.

This company is working the No. 4 seam of coal, which is five feet thick at its No. 4 mine, and the Whitesburg seam of coal, which is forty-four inches thick at its Whitesburg mine. Coal is being cut with electric cutting machines and hauled with electric motors. These mines were inspected April 10th, 1922.

ELKHORN HAZARD COMPANY, Whitesburg, Ky.

This company is working the No. 4 seam of coal, which is six feet thick at its No. 2 mine. The coal is being shot from the solid and hauled with mules. This mine was inspected April 11th, 1922.

MAYKING COAL COMPANY, Mayking, Ky.

This company is mining the Elkhorn seam of coal, which is fifty-two inches thick at its No. 1 mine. Coal is being cut with electric cutting machines and hauled with electric motors. This mine was inspected June 15th, 1922.

IMPERIAL-ELKHORN COAL COMPANY, Sergeant, Ky.

This company is mining the Elkhorn seam of coal, which is six feet thick at its No. 26 mine. Coal is being cut with electric cutting machines and hauled with electric motors. This mine was inspected July 24th, 1922.

ELKHORN COLLIERIES COMPANY, Sergeant, Ky.

This company is working the Elkhorn seam of coal which is five feet thick at its No. 1, No. 2 and No. 3 mines. Coal is being cut with electric cutting machines and hauled with electric motors. No. 1 mine was inspected August 2nd, 1922; other mines were not inspected as they were not working at that time.

APEX COAL COMPANY, Fleming, Ky.

This company is working the Elkhorn seam of coal, which is five feet thick at its Nos. 1, 2, 3 and 4 mines. Coal is being shot from the solid and hauled with mules. I inspected Nos. 2 and 3 mines August 3rd, 1922. No. 4 mine was not opened up at this time.

SOUTH EAST COAL COMPANY, Millstone, Ky.

This company is working the Elkhorn seam of coal, which is fifty-four inches thick at its No. 2 plant. Coal is being cut with electric cutting machine and hauled with electric motor. I inspected this mine September 14th, 1922.

ELKHORN JUNIOR COAL COMPANY, Millstone, Ky.

This company is working the Elkhorn seam of coal, which is fifty-six inches thick at its Nos. 1, 2 and 3 mines. Coal is being shot from the solid, gathered with mules and trammed with electric motors. These openings were inspected August 3rd, 1922.

ELKHORN COAL COMPANY, Mater, Ky.

This company is working the Elkhorn seam of coal, which is fifty-four inches thick at its Nos. 1 and 2 mines. This coal is being shot from the solid and pulled with mules. I inspected No. 2 opening on September 15th and October 4th, 1922. No. 1 opening was not working at that time.

SOUTH EAST COAL COMPANY, No. 1 PLANT, Seco, Ky.

The company is working the Elkhorn seam of coal, which is fifty-seven inches thick at its Nos. 1, 2 and 3 openings. Coal is being cut with electric cutting machines and hauled with electric motors. I inspected these openings September 13th, 1922.

NEGOLA ELKHORN COAL COMPANY, Seco, Ky.

This company is working the Elkhorn seam of coal, which is five feet thick at their Whittier No. 2 mine. The coal is being shot from the solid and hauled with mules. This mine was inspected September 14th, 1922.

ACME COAL COMPANY, Fleming, Ky.

This company was working the Elkhorn seam of coal, which was five and one-half feet thick. Coal is being shot from the solid and hauled with mules. This mine was inspected August 3rd, 1922, and is now worked out.

NEGOLA ELKHORN COAL COMPANY, Fleming, Ky.

This company is working the Elkhorn seam of coal, which is fifty-six inches thick at their Parsons Nos. 1 and 2 mines. Coal is being cut with electric cutting machines and hauled with electric motors. These mines were inspected the 12th September, 1922.

ELKHORN COAL CORPORATION, General Office, Fleming, Kentucky.

No. 301 MINE, Postoffice, Fleming, Ky.

This mine is working the Elkhorn seam of coal, which is sixty-five inches thick. Coal is being cut with electric cutting machines and hauled with electric motors. I inspected this mine July 12th, 1922.

No. 302 MINE, Postoffice, Fleming, Ky.

This mine is working the Elkhorn seam, which is sixty-five inches thick. Coal is being cut with electric cutting machines and hauled with electric motors. I inspected this mine July 12th, 1922.

No. 303 MINE, Postoffice, Cromona, Ky.

This mine is working the Elkhorn seam of coal, which is eight feet thick. The coal is being cut with electric cutting machine and hauled with electric motors. I inspected this mine July 1st, 1922.

No. 304, Postoffice, Cromona, Ky.

This mine is working the Elkhorn seam of coal, which is eight feet thick. The coal is being cut with electric cutting machines and hauled with electric motors. Inspected July 13th, 1922.

No. 305 MINE, Jackhorn, Ky.

This mine is working the Elkhorn seam of coal, which is fifty-seven inches thick. Coal is being cut with electric cutting machines and hauled with electric motors. Inspected July 14th, 1922.

No. 306 MINE, Jackhoon, Ky.

This mine is working the Elkhorn seam of coal, which is fifty inches thick. Coal is being cut with electric cutting machines and hauled with electric motors. Inspected July 14th, 1922.

No. 307 MINE, Fleming, Ky.

This mine is working the Elkhorn seam of coal, which is six feet thick. Coal is being cut with electric cutting machines and hauled with electric motors. Inspected July 12th, 1922.

CONSOLIDATION COAL COMPANY, GENERAL OFFICE,
Jenkins, Ky.

No. 201 MINE, Jenkins, Ky.

This mine is working the Elkhorn seam of coal, which is seven feet thick. Coal is being cut with electric cutting machines and hauled with electric motors. Inspected October 25th, 1922.

No. 202 MINE, Jenkins, Ky.

This mine is working the Elkhorn seam of coal, which is six and one-half feet thick. Coal is being cut with electric cutting machine and hauled with electric motor. Inspected October 13th, 1922.

No. 203 MINE, Jenkins, Ky.

This mine is working the Elkhorn seam of coal, which is seven feet thick. Coal is being cut with electric cutting machine and hauled with electric motors. Inspected October 5th and 6th, 1922.

No. 204 MINE, Jenkins, Ky.

This mine is working the Elkhorn seam of coal, which is seven feet thick. Coal is being cut with electric cutting machines and hauled with electric motors. Inspected October 26th, 1922.

No. 205 MINE, Jenkins, Ky.

This mine is working the Elkhorn seam of coal, which is seven feet thick. Coal is being cut with electric cutting machines and hauled with electric motors. Inspected October 30th and 31st, 1922.

No. 206 MINE, Jenkins, Ky.

This mine is working the Elkhorn seam of coal, which is seven feet thick. Coal is being cut with electric cutting machines and hauled with electric motors. Inspected November 1st, 1922.

No. 207 MINE, Jenkins, Ky.

This mine is working the Elkhorn seam of coal, which is eight feet thick. Coal is being cut with electric cutting machines and hauled with electric motors. Inspected October 11th, 1922.

No. 208 MINE, Jenkins, Ky.

This mine is working the Elkhorn seam of coal, which is eight feet thick. Coal is being cut with electric cutting machines and hauled with electric motors. Inspected October 12th, 1922.

No. 210 MINE, McRoberts, Ky.

This mine is working the Elkhorn seam of coal, which is seven feet thick. Coal is being cut with electric cutting machines and hauled with electric motors. Inspected September 21st, 1922.

No. 211 MINE, McRoberts, Ky.

This mine is working the Elkhorn seam of coal, which is seven feet thick. Coal is being cut with electric cutting machines and hauled with electric motors. Inspected September 21st, 1922.

No. 212 MINE, McRoberts, Ky.

This mine is working the Elkhorn seam of coal, which is seven feet thick. Coal is being cut with electric cutting machines and hauled with electric motors. Inspected September 21st, 1922.

No. 213 MINE, McRoberts, Ky.

This mine is working the Elkhorn seam of coal, which is seven feet thick. Coal is being cut with electric cutting machines and hauled with electric motors. Inspected September 22nd, 1922.

No. 214 MINE, McRoberts, Ky.

This mine is working the Elkhorn seam of coal, which is six feet thick at its Nos. 1 and 2 openings. Coal is being cut with electric cutting machines and hauled with electric motors. Inspected on the 19th and 20th of September, 1922.

No. 215 MINE, McRoberts, Ky.

This mine is working the Elkhorn seam of coal, which is five feet thick. Coal is being cut with electric cutting machines and hauled with electric motors. Inspected September 20th, 1922.

ELKHORN COLLIERIES COMPANY, Jenkins, Ky.

This company is working the Elkhorn seam of coal, which is seven feet thick. Coal is being shot from the solid and hauled with mules. On last inspection of this mine no report was made as it is about worked out and does not employ enough men to come under the mining laws.

HUNTINGTON BY-PRODUCT COAL COMPANY, Jenkins, Kentucky.

This company is mining the Elkhorn seam of coal, which is seven feet thick. The coal is being shot from the solid and hauled with mules. Inspected October 24th, 1922.

ADAMSON COAL COMPANY, Burdine, Ky.

This company is working the Lemon seam of coal, which is thirty-six inches thick. Coal is being shot from the solid and hauled with mules. Inspected November 2nd, 1922.

BLACKWOOD COAL COMPANY, Postoffice, Pardee, Va.

I have never inspected this company's mine, for to do so would have used up my allowance for expenses for a month or more. And in that length of time and on the same amount of expenses I have been able to inspect quite a number of other mines in the district. These mines should be inspected by the inspector of the fifth district.

SEVENTH DISTRICT

Hon. Lawson Blenkinsopp,
Chief Inspector of Mines,
Lexington, Kentucky.

Dear Sir:

I hereby submit to you this my annual report for the Seventh District for the calendar year ending December 31, 1922, for the counties of Johnson, Floyd, Lawrence and Martin. My district has 90 operators with approximately 110 mines, and during the year I have done the best I could to cover my district with the expenses allowed and have at all times at each of my visits made requests that the mining law be complied with and eliminate possible accidents.

I was called out of my district by the chief to a dust explosion at the Marietta Coal Company, Pinson Fork, Ky., which occurred February 7; also was called to Lexington in March, where I worked in main office twelve days compiling maps, etc., and was laid off one month on account of no appropriation for traveling expenses.

I was also called by the chief, to the Second District owing to the resignation of the inspector of that district. I was away twenty-five days in First and Second Districts and also served as board member in December examination for mine foreman.

During the year we had strikes at the following mines, which began April first, and lasted until July: Northeast Coal Company, Consolidation Coal Company and Royal Collieries Coal Company. During this strike everything was peaceable except, as you already know, the fatal happening that occurred at No. 3 mine Northeast Coal Company, where a machine exploded, supposed to have been charged by dynamite or other high explosive.

I may say that I have had very fair cooperation from both the operator and miner the past year. I am sorry to say that my reports show eleven fatal accidents during the year from different causes; but on thorough investigation I find that the majority of these have been caused by noncompliance with the law and my requests as to dangerous practices, etc. I think to

eliminate a number of accidents in my district, in fact in the entire state, would be to have laws passed to cover all dangerous practices indulged in both by operator and miner, and give the inspector all necessary authority to enforce and see that same are carried out to the letter.

I wish to thank all operators who have cooperated with me during the year, and trust they will continue to do so and try to eliminate all accidents possible during this coming year. I also want to thank the Chief of Department of Mines for his able counsel and advice given me at all times, which is indeed much appreciated by me.

Very truly yours,

M. L. WELLS,

Inspector Seventh District.

ELKHORN BLOCK COAL COMPANY, Ligon, Ky.

Main Office, Ashland, Ky.

F. L. Stewart, President; J. C. Hatcher, Vice President; J. W. M. Stewart, Secretary.

This mine is located at Ligon, Floyd County, Ky., on Long fork division, B. & O. Railroad. This is the same company that formerly operated at Orkney, Ky., having abandoned the latter place and moved all equipment and machinery to their present location. They are now working No. 3 Elkhorn seam of coal, which is 60 inches thick, free from any partings. Coal is mined by electric machines and at the present time is hauled by mules, but motors will be installed in the near future. This operation started shipping coal in July of this year. The former place was abandoned by having an inferior grade of coal which contained several partings.

BREATHITT COAL AND TIMBER CORPORATION.

Post Office and General Office, Royalton, Ky.

H. M. Neil, President; F. W. Fletcher, General Manager; C. W. Fletcher, Superintendent; R. S. Campbell, Mine Foreman.

This mine is located at Royalton, Magoffin County, Ky., on B. S. & K. R. Railroad. It is a new mine which started shipping coal in July of this year and is working No. 6 seam, which is 6 feet 2 inches thick, free from any parting; has hard slate

and sandstone roof. At the present time coal is shot off the solid and hauled by mules. Mine is ventilated by 5 ft. fan. At the present time the mine is producing about two cars of coal daily.

GREASY CREEK COAL COMPANY.

Post Office and Main Office, Paintsville, Ky.

This is small mine located at Meek Station, Johnson County, Ky., five miles west of Paintsville, on C. & O. Railroad, and is working No. 12 or Kentucky block seam. Coal is shot off solid and hauled by mules. Mine is ventilated by furnace. Owing to the thickness of this seam at this point, only 28 inches, this mine was not in operation during 1921 and did not start until about April of this year, as the price of coal would not justify operating.

PURITY CANNEL COAL COMPANY, Prestonsburg, Ky.

John Hunley, Manager and Superintendent; Sam D. Spradlin, Secretary and Treasurer; Ballard Harald, Mine Foreman.

This mine is located in Floyd County, Ky., about four miles from Prestonsburg, Ky., on what is known as Abbott creek. Connection is made with C. & O. Railroad, one mile west of Prestonsburg, by narrow gauge railroad. Coal is hauled over this road by steam locomotive a distance of three miles from mine to tipple, and siding. This mine is working No. 2 seam of coal, which is 42 inches thick; 12 inches of this is cannel of a very good grade, at bottom of seam. They use for mining this coal electric machines, and mules are used at the present time for hauling. This operation when last visited by me was found in very good condition.

KENTUCKY-BEAVER COLLIERIES COMPANY, Banner, Kentucky.

(Main Office, Chicago, Ill.)

C. C. Whittier, President; Jas. C. Halstead, Vice President; H. L. Jones, Superintendent; Fred Mann, Mine Foreman.

This mine is located at Banner, Floyd County, Ky., on the Big Sandy Division of the C. & O. Railroad, one mile east of Beaver creek junction, and is working No. 4 Elkhorn seam.

Coal is mined by electric machines and on last visit was hauled by mules, but the company were installing electric motors for this purpose. The coal at this mine is 52 inches thick and has an 18 inch parting of white slate near center of seam. On my last inspection of this mine I found it very poorly ventilated on account of fan being too small for the size of the mine, but a larger and better fan has been installed, which improves conditions and makes ventilation satisfactory.

MALONE-ELKHORN COAL COMPANY, Allen, Ky.

P. H. Malone, President; J. M. Donaldson, Vice President;
F. J. Malone, Secretary and Treasurer.

This mine is located at Allen, Floyd County, Ky., near Beaver creek junction, on C. & O. Railroad. They are working No. 4 Elkhorn seam, which is high on the mountain at this place. Coal is shot off solid and hauled by mules, and mine is ventilated by small fan driven by gasoline engine. On my visit to this mine I found it not being properly ventilated on account of the fan being too small, only 36 inches in diameter. At this visit I recommended that a new and larger fan be installed that would properly ventilate the mine according to law.

MARTHA-LESLIE COAL COMPANY, Emma, Ky.

Main Office, Prestonsburg, Ky.

Hiram Harris, President; S. E. Allen, Manager and Superintendent; Louis Thompson, Mine Foreman.

This mine is located at Emma, Floyd County, Ky., on C. & O. Railroad, eight miles east of Prestonsburg, Ky., and is working No. 2 Elkhorn seam. Coal is shot off the solid and hauled by mules and the mine is ventilated by fan. At my last visit to this mine I found same in fair condition, except dangerous practice of allowing full kegs of powder to be taken in mines, which were opened with picks. I requested that this be not allowed and was promised cooperation in this request.

BLUE BEAVER COAL COMPANY, Prestonsburg, Ky.

(Mines Nos. 1 and 2.)

C. Y. Ligon, Manager and Superintendent.

These mines are located at Prestonsburg, Floyd County,

Ky., and on the C. & O. Railroad. They are working two different seams of coal, which are about 100 feet apart. They are worked in conjunction, as coal from each mine goes over the same tippie by way of chute from top seam. Each of these mines is equipped with electric machines and electric motors for mining and hauling coal; also mines are ventilated by fans. These operations have very fair mining conditions, and the company and officials have cooperated fully with me in my requests for all improvements.

MIDDLE CREEK COAL COMPANY, Prestonsburg, Ky.

G. B. Archer, Manager and Superintendent; Lee Salmons, Mine Foreman.

This mine is located at Prestonsburg, Floyd County, Ky., on C. & O. Railroad, and is working No. 1 seam of coal, which is 50 inches thick, free from parting. The roof is sandstone. The coal is mined by electric machines and hauled by electric motors, and the mine is ventilated by fan. This company has ideal mining conditions at this place and they have always cooperated with me in every particular.

DWALE COAL COMPANY, ALLEN, KY.

John H. Kresge, President; Dan D. Williams, Superintendent and Manager; D. W. Martin, Mine Foreman.

This mine is located at Dwale, Floyd County, Ky., on C. & O. Railroad, one mile west of Allen or Beaver creek junction, and is working No. 1 Elkhorn seam. The coal is mined by electric machines and hauled by mules. This mine did not work but very little in 1921 and did not start operation until some time in April of this year, and owing to the railroad strike and shortage of cars the balance of the year the mine was not in operation very steadily.

WALDON COAL COMPANY, Emma, Ky.

(Main Office, Prestonsburg, Ky.)

Hiram Harris, President; S. E. Allen, Manager and Superintendent; Louis Thomson, Mine Foreman.

This mine is located at Emma, Floyd County, Ky., on C. & O. Railroad, eight miles east of Prestonsburg, Ky., and is work-

ing No. 2 seam of coal, which is 42 inches thick, with a 4 inch parting near top. At this mine coal is shot off solid and hauled by mules. Mine is ventilated by fan. At my last visit to this mine I found same in very fair condition.

COLONIAL COAL AND COKE COMPANY, Prestonsburg, Ky.
(Mines Nos. 1 and 2.)

H. S. Boling, Mine Foreman.

This mine is located at Prestonsburg, Floyd County, Ky., on C. & O. Railroad, and is working No. 1 seam of coal. Coal is mined by electric machines and hauled by electric motors, and mine is ventilated by fan. This is an old mine, and coal is almost exhausted except for pillar work.

COLONIAL COAL AND COKE COMPANY, Prestonsburg, Ky.
(Mine No. 5.)

N. M. White, President and Manager; C. W. Evans, Superintendent; Oscar Stewart, Mine Foreman.

This mine is located at Prestonsburg, Floyd County, Ky., on the east side of the river from C. & O. Railroad. Coal is brought across by rope haulage or aerial tramway. They are working No. 1 or Millers creek block seam, which is 42 inches thick, free from parting, and has sandstone roof. Electric machines are used for mining the coal and electric motors for hauling. Mine is ventilated by fan.

LIBERTY COAL CORPORATION, Orkney, Kentucky.

Main Office, 3511 Reading Road, Cincinnati, Ohio.

Chas. Enzian, President; Chas. Osborn, Vice President and Treasurer; W. J. McCurry, Superintendent; F. A. Addams, Mine Foreman.

This mine is located at Orkney, Floyd County, Ky., Long fork division B. & O. Railroad, and is working No. 2 Elkhorn seam of coal, which is 44 inches thick, free from parting. Coal is shot off the solid and is hauled by mules, and the mine is ventilated by fan. This company is at the present time installing an engine and generator to run electric drill for drilling coal, and making other needed repairs in and around the mine. They have always given full cooperation in every respect.

BLUE BEAVER-ELKHORN FUEL COMPANY, Ligon, Ky.

Main Office, Detroit, Michigan.

James Salisbury, President; C. Y. Ligon, General Manager; G. W. Rorrer, Superintendent; J. W. Dykstra, Secretary and Treasurer; S. E. Bingham, Mine Foreman.

This mine is located at Ligon, Floyd County, Ky., on the left fork of Beaver creek. They have a branch line of four miles distance which connects with B. & O. Railroad at mouth of Clear creek. They are working No. 2 Elkhorn seam of coal, which is 60 inches thick, with 3 inch parting. The coal is mined by electric machines and hauled by electric motors, and a fan is used to ventilate the mine. This operation has ideal mining conditions in every way and the company has cooperated with me in every respect.

COW CREEK COAL COMPANY, Emma, Ky.

Main Office, Prestonsburg, Ky.

Hiram Harris, President; S. E. Allen, Superintendent and Manager; Homer L. Merritt, Mine Foreman.

This mine is located at Emma, Floyd County, Ky., on C. & O. Railroad, about eight miles east of Prestonsburg, Ky., and is working No. 2 Elkhorn seam, which is 40 inches thick. Coal is shot off solid and hauled by mules. The mine is ventilated by fan.

ELKHORN PINEY COAL MINING COMPANY, Weeksbury, Kentucky.

(Mine No. 3 and 4.)

F. M. Addis, Manager; J. W. Hager, Superintendent.

This mine is located at Weeksbury, Floyd County, Ky., Long Fork division of the B. & O. Railroad, and is working No. 1 seam of coal. The mine is equipped with all modern machinery for mining and hauling coal, and is ventilated by fans. These mines were closed down most all the year on account of car shortage, as they could handle all cars received with their other mines at this place.

NORTHEAST COAL COMPANY, Auxier, Ky.

(Mine No. 7.)

A. D. W. Smith, President; Henry Lavers, General Manager; John Lavers, Superintendent; Frank Cunningham, Mine Foreman.

This mine is located at Auxier, Floyd County, Ky., on C. & O. Railroad, and is working No. 1 seam of coal, which is 46 inches thick, free from any parting. Coal is mined by electric machines and hauled by electric motors, and the mine is ventilated by fan. This mine has very good roof conditions; in fact the general conditions all through are very fair and the company has always cooperated with me in my recommendations when given.

NORTHEAST COAL COMPANY, Auxier, Kentucky.

(Mine No. 9 and 10.)

This mine is also located at Auxier, Ky., and the same officers in charge as No. 7, except Fred Sparks, mine foreman. The same kind of machinery is used for mining and hauling coal and it is also ventilated by fan. The mines of this company were affected by the strike, miners having come out April first and the strike continued until July. This is the same seam of coal as No. 7 and the conditions are practically the same.

TORCH LIGHT COAL COMPANY, Torch Light, Ky.

W. L. Taylor, President; C. E. Stafford, Vice President and General Manager; W. S. Taylor, Secretary and Treasurer; C. P. Shannon, Mine Foreman.

This mine is located at Torch Light, Lawrence County, Ky., on the Big Sandy Division of the C. & O. Railroad, six miles east of Louisa, Ky., and is a very old mine, being one of the first operations started on Big Sandy river, and is almost exhausted. Most of the work at the present time is crop or robbing work. Coal is mined by electric machines and hauled by electric motors. This mine was not in operation but very little in 1921, and did not start up until March of this year. They have only been in operation about one-fourth time during the year on account of the railroad strike, car shortage, etc. This

seam of coal has in connection about four-foot seam of fireclay, and the company has for some time past been arranging to install a fire brick plant for the manufacture of brick.

NORTHEAST COAL COMPANY, Paintsville, Ky.

(Mine 3 and 4.)

This mine is also located near Paintsville, Johnson County, Ky., and the same officials are in charge, except T. J. Davis, mine foreman. It is working the same seam of coal and the same kind of machinery is used for mining and hauling coal. There are two separate mines but are worked in conjunction as the same tippie is used for both. Each mine is equipped with fan for ventilation. These operations have very safe mining conditions in every way, and the company has always cooperated with me, and seems willing at all times to carry out my recommendations when given.

NORTHEAST COAL COMPANY, Paintsville, Ky.

(Mine No. 1.)

A. D. W. Smith, President; Henry Lavers, General Manager; R. C. Thomas, Superintendent; Henry Phening, Mine Foreman.

This mine is located about two miles west of Paintsville, Ky., on the Big Sandy division of the C. & O. Railroad, and is working No. 1 seam, which is 46 inches thick, free from partings. Coal is mined by electric machines and hauled by electric motors, and the mine is ventilated by fan. This mine was closed for several months during the year on account of labor troubles, miners' strike, railroad strike, car shortage, etc.

ROYAL COLLIERIES COAL COMPANY, Offutt, Ky.

(Main Office, Jackson, Ohio.)

Fred E. Jones, General Manager; Forest Preston, Superintendent; James Blevins, Mine Foreman.

This mine is located at Offutt, Ky., on the Big Sandy division of the C. & O. Railroad, six miles west of Paintsville, Ky. This is a slope mine and is working No. 1 seam, which is 40 inches thick, with parting of bone or black band near top. Coal is mined by electric machines and hauled by electric motors, and

ventilation is by fan. This operation was affected by the miners' strike for about four months of the year, miners having come out April first. At this place they have very safe mining conditions in every way, as is shown from the fact that they seldom have a serious accident in or about the mine.

KELSE BRANCH COAL COMPANY, Denver, Kentucky.

Paris Pelphrey, President and General Manager; C. C. Price, Mine Foreman.

This mine is located at Denver, Johnson County, Ky., and was formerly known as Hi Grade Block Coal Company, and is on B. S. & K. R. Railroad. They are working No. 2 seam, which is only 32 inches thick; sandstone roof. Coal is shot off solid and hauled by mules. Mine is ventilated by fan.

DENVER COAL COMPANY, Denver, Ky.

Paris Pelphrey, President and General Manager.

This mine is located at Denver, Johnson County, Ky., on the B. S. & K. R. Railroad, and is working No. 1 or Kentucky block seam, which is 34 inches thick, free from parting. Coal is shot off the solid and hauled by mules and ponies. The mine is ventilated by fan, has sandstone roof and has very safe mining conditions in every way.

**CONSOLIDATION COAL COMPANY, Vanlear, Ky.
(Mine 155.)**

Wm. Harrison, Superintendent; H. G. Lewis, Mine Foreman.

This mine is also located at Vanlear, Ky., and is the last or upper mine on creek, and is a slope mine. A small per cent of gas has been found at this mine, but fortunately in very small quantities and for a prevention of allowing gas to accumulate in the mine they have a 12 ft. fan, which runs continuously day and night forces about 50,000 cubic feet of air in the mine per minute. This mine has all modern machinery for mining and hauling coal. In conclusion will say that all mines operated by this company at this place were affected by the strike, the miners coming out in sympathy with the general strike April first and

continuing until July, which affected their output for the year. While this strike was on there were a sufficient number men employed at each mine to keep out water and also to keep all slate cleaned up and loaded out.

**CONSOLIDATION COAL COMPANY, Vanlear, Ky.
(Mine No. 154.)**

H. E. Cecil, Mine Foreman.

This mine is also located at Vanlear, Ky., and is working No. 1 seam, and the same kind of machinery is used for mining and hauling coal as at their other mines at this place. At my last visit to this mine I found everything in fair condition in every respect.

**CONSOLIDATION COAL COMPANY, Vanlear, Ky.
(Mine 153.)**

E. R. Price, General Manager; Wm. Harrison, Superintendent; E. L. Lambert, Mine Foreman.

This mine is located at Vanlear, Ky., and is working No. 1 seam. Coal is mined by electric machines and hauled by electric motors, and ventilation is by 12 ft. fan. The coal seam at this place is lower than at the other mines mentioned and they work it as slope so as to get coal up to tippie height.

**CONSOLIDATION COAL COMPANY.
(Mine No. 152.)**

This mine is located at Vanlear, Johnson County, Ky., and has the same officials except J. S. Hammond, mine foreman, and is working the same seam of coal and the same kind of machinery is used for mining and hauling as No. 151, and is ventilated by fan.

**CONSOLIDATION COAL COMPANY, Vanlear, Ky.
(Mine No. 151.)**

E. R. Price, General Manager; James Cook, Superintendent; James Worland, Mine Foreman.

This mine is located at Vanlear, Johnson County, Ky., on what is known as Millers creek, four miles east of Paintsville,

Ky., and is working No. 1 or Millers creek block seam, which averages about 40 inches thick, free from partings. Coal is mined by electric machines and hauled by electric motors and ventilated by a 10 ft. fan. At last visit to this mine I found ventilation not properly distributed to working faces on account of airway being so long and choked in places. They have been using booster fans in some portions of the mine, but this does not improve conditions very much. At present they are making a new air shaft which will be used as intake, which when completed will improve ventilation wonderfully.

ANCHOR COAL COMPANY, Prestonsburg, Ky.

Main Office, Prestonsburg, Ky.

John Hopkins, President and General Manager; Will H. Layne, Secretary and Treasurer; I. C. Peters, Mine Foreman.

This mine is located in Floyd County, Ky., on Big Sandy division C. & O. Railroad, six miles east of Prestonsburg, Ky., and is working No. 2 Elkhorn seam, which is 42 inches thick, free from partings. Coal is shot off solid and hauled by mules. This mine had been using furnace for ventilation since operation started, but at one of my former visits I found the furnace not giving satisfaction. At this time I recommended that a fan be installed to ventilate the mine instead of furnace, and will say that on my visit to this mine the fan had been installed, which improves conditions very much.

McGUIRE ELKHORN COAL COMPANY, Smalley, Ky.

Main Office, Prestonsburg, Ky.

S. C. Ferguson, President and General Manager; H. C. McGuire, Superintendent; C. A. Amburgy, Mine Foreman.

This mine is located at Smalley, Floyd County, Ky., on C. & O. Railroad, five miles east of Beaver Creek Junction, and is working No. 4 Elkhorn seam, which is 48 inches thick with 4 inch parting near bottom. Coal is shot off solid and hauled by mules. This mine has very fair mining conditions and the company has always cooperated with me in carrying out my instructions in every way.

EDGEMONT FUEL COMPANY, Minnie, Ky.

T. A. Field, President; J. T. Field, Vice President; A. W. Humphrey, Secretary and Treasurer; J. W. Cockill, Superintendent; J. H. Wilson, Mine Foreman.

This mine is located at Minnie, Floyd County, Ky., on the Long Fork division B. & O. Railroad, and is working No. 1 Elkhorn seam, which is 42 inches thick, free from parting. It has a slate roof and coal is shot off solid and hauled by mules, and the mine is ventilated by fan. During the first six months of the year this mine operated 137 days, but during the last six months of the year they only operated 37 days. This was due to the railroad strike, car shortage, etc.

PRESTONSBURG COAL COMPANY, Prestonsburg, Ky.

J. W. Alley, Superintendent and Manager.

This mine is located a short distance east of Prestonsburg, Ky., on the C. & O. Railroad, and is a very old mine, working No. 1 seam, which is just about exhausted. Coal is mined by electric machines and hauled by electric motors; ventilated by fan.

THE CLIFF COAL COMPANY, Cliff, Kentucky.

Main Office, Portsmouth, Ohio.

B. V. Vincent, President and Manager; H. C. Stalder, Secretary and Treasurer; G. B. Hughes, Superintendent; John Branham, Mine Foreman.

This mine is located at Cliff, Floyd County, Ky., on the Big Sandy Division of the C. & O. Railroad. This is a slope mine, or is being worked as slope, as coal is below tippie height, and is working No. 1 seam, which is 36 inches thick, free from any parting. It has very good roof conditions. Coal is mined by electric machines and hauled by electric motors and it is ventilated by fan. This mine was down a good part of year, only working 164 days during year. The time lost was due to car shortage.

RUSSELL COAL MINING COMPANY, Richardson, Ky.

Main Office, Russell, Ky.

Wm. Jones, President and General Manager; John Artes, Superintendent; Every Fannin, Mine Foreman.

This is a new mine located about three miles of Richardson, Ky., in Lawrence County, on the C. & O. Railroad, and is working the old Peach Orchard seam. The coal at this place is about five feet thick with a parting of white slate near center eight inches thick. Coal is shot off solid and hauled by mules. The mine is ventilated by furnace, and started operation and shipping coal about March first, and has a daily capacity of about 150 tons.

MOORE ELKHORN COAL COMPANY, Langley, Ky.

K. H. Moore, President and General Manager.

This is small mine just started up in this year, and is located at Langley, Floyd County, Ky., and is on C. & O. Railroad. This mine is working No. 2 Elkhorn seam, which is about 40 inches thick. Coal is shot off solid and hauled by mules, and ventilation by furnace. I visited this mine March 8 and found it was not operating and could not make an inspection.

ELKHORN COAL CORPORATION, Wayland, Ky.

Mine 329 and 351.

W. R. Morris, Superintendent; James Belcher and Chas. McKinney, Mine Foremen.

This mine is located at Wayland, Ky., and is the last or upper mines on creek. The same seam of coal is worked and the same kind of machinery used as at the other mines; fan is used for ventilation. All the mines operated by this company were closed down practically all of 1921 and did not resume work until April of this year, and each mine listed has very good general mining conditions in every respect, and the officials in charge have always been willing to cooperate with me in all my requests when given, and they also have their own inspector, who makes regular visits to all working places and reports all dangers observed. The fact that this company did not have one single fatal accident at or in any of their mines during the year speaks well for the management of these operations, considering the tonnage produced from their several mines at Garrett and Wayland.

ELKHORN COAL CORPORATION, Wayland, Ky.

Mine 330.

J. A. Demarcus, Superintendent; Leo Wilburn, Mine Foreman.

This mine is located at Wayland, Ky. The same seam of coal is worked and the same kind of machinery used for mining and hauling coal, it has about the same general conditions as the other mines at this place.

ELKHORN COAL CORPORATION, Wayland, Ky.

Mine 328 and 331.

Main Office, New York, N. Y.

G. W. Fleming, President; J. F. Caulfield, Vice President and Treasurer; T. S. Haymond, General Manager; J. F. Bohannon, Manager; J. A. Demarcus, Superintendent; Grant Richardson, Mine Foreman.

This mine is located at Wayland, Floyd County, Ky., on C. & O. Railroad, and is working No. 1 Elkhorn seam. Coal is mined by electric mining machines and hauled by electric motors and is ventilated by fan.

ELKHORN COAL CORPORATION, Garrett, Ky.

Mine 327.

John Laferty, Mine Foreman.

This is the largest mine, works more men, and produces more coal than either of the other mines at this place. The same seam of coal is worked and is 48 inches thick and all modern electric machinery is used for mining and hauling coal. Fan is used for ventilation.

ELKHORN COAL CORPORATION, Garrett, Ky.

Mine 326.

Ben Bailey, Mine Foreman.

This mine is located at Garrett, Ky., and is working the same seam of coal as 325, but is lower and is being worked as slope. The same kind of machinery is being used for mining and hauling coal. This mine was closed down for some time and was thought to be abandoned, but work was resumed in June of this year. This mine has very bad roof conditions, but is kept well timbered at all times.

ELKHORN COAL CORPORATION, Garrett, Ky.
Mine 325.

Main Office, New York, N. Y.

G. W. Fleming, President; J. F. Caulfield, Vice President and Treasurer; T. S. Haymond, General Manager; J. F. Bohannon, Manager; J. W. Rhodes, Superintendent; Jas. Goodman, Mine Foreman.

This mine is located at Garrett, Floyd County, Ky., on C. & O. Railroad, and is working No. 1 Elkhorn seam, which is about 38 inches thick; has sandstone roof. Coal is mined by electric machines and hauled by electric motors and is ventilated by fan.

COAL RIVER COLLIERIES COMPANY, Prestonsburg, Ky.
General Office, Huntington, W. Va.

J. G. Baldwin, Superintendent.

This mine is located about two miles east of Prestonsburg, in Floyd County, Ky., and is working No. 1 seam of coal, which is 48 inches thick, practically clean. Coal is mined by electric machines and hauled by electric motors. I visited this mine April 27 for the purpose of finding out if they had complied with my request of installing a fan, as I had recommended that this be done on my former visit, as they were using a furnace that did not give satisfaction. They had a fan installed, which is great improvement in ventilation over furnace. Other conditions satisfactory.

ARZELLA BY-PRODUCT COAL COMPANY, Alphoretta, Ky.

This is small mine located at Alphoretta, Floyd County, Ky., and is owned exclusively by Mr. Clark May, who usually has mine operated by contract or under lease by other parties. Coal is shot off solid and hauled by mules. The mine is ventilated by furnace. I visited this mine May 13 and found it was not in operation and I could not make an inspection.

ELKHORN STAR COAL COMPANY, Minnie, Ky.
Mine No. 2.

Main Office, Pikeville, Ky.

W. D. Sutton, President and General Manager; S. C. Otis, Vice President and Secretary; W. W. Gray, Treasurer; W. H. Mathus, Superintendent; R. N. White, Mine Foreman.

This mine is located at Minnie, Floyd County, Ky., on the Long Fork division on the B. & O. Railroad, and is working No. 1 Elkhorn seam. Coal is shot from solid and hauled by mules. Mine is ventilated by fan. This mine has the same conditions in general as No. 1 mine, which are very good, and the officials in charge have always cooperated with me in my instructions to improve all conditions, thereby eliminating accidents, of which they have very few.

ROYAL ELKHORN COAL COMPANY, McDowell, Ky.
Main Office, Toledo, Ohio.

H. L. Poole, President; W. W. Tibbals, General Manager; R. J. Thomas, Superintendent; James Hopson, Mine Foreman.

This mine is located at McDowell, Floyd County, Ky., on B. & O. Railroad, and is working No. 2 Elkhorn seam, which is 42 inches thick, free from parting. Coal is shot off the solid and hauled by mules, and at one of my former visits was ventilated by furnace, but during the year they have installed a 7 foot Buckeye fan, which is run by 20 H. P. engine, which is a great improvement in the ventilation of the mine over the furnace which was formerly used.

LINE BRANCH COAL COMPANY, Denver, Ky.

Howard Sales, President and General Manager.

This is small new mine located near Denver, Johnson County, Ky., on B. S. & K. R. Railroad, and is working No. 1 Elkhorn seam. Coal is shot off the solid and hauled by mules, and the mine is ventilated by furnace. At this point this seam is about 300 feet on mountain. Coal is dumped in a chute which carries it to cars on siding.

MINERS ELKHORN COAL COMPANY, Riceville, Ky.
Main Office, Paintsville, Ky.

F. B. Preston, President and General Manager; Zephaniah Wells, Attorney and Secretary; J. B. Dills, Superintendent and Mine Foreman.

This is new mine located at Riceville, Johnson County, Ky., on B. S. & K. R. Railroad, and started shipping coal in March of this year, and is about ten miles from Paintsville, Ky. This

mine is working No. 1 Elkhorn seam, which is 52 inches thick, almost free from parting of any kind, and has very good slate roof. At the present time coal is shot off the solid and hauled by mules, but they have machinery now on the ground and are installing electric power plant and all modern mining machinery will be used for mining and hauling coal. This company expects after getting fully developed to mine on a very large scale as they have under lease almost 400 acres of this coal, which is considered to be the best proposition in that section, and the president, Mr. Preston, is not by any means a new man in the coal industry as he has the honor of having shipped the first car of coal from Floyd County over C. & O. Railroad, and has been connected with different operations for a number years, and it is considered an assured fact that he will leave nothing undone with this new operation and it will be a model mine when fully developed.

ELKHORN COAL CORPORATION, Wheelwright, Ky.
Mines Nos. 379 and 380.

These mines are located at Wheelwright, Ky., in Floyd County, on the B. & O. Railroad, and are working the same seam of coal as 377. Same officials in charge, except G. C. Billips, mine foreman at 379, and Joe Johnson, mine foreman at 380. Each of these mines is fully equipped with all electric appliances for mining and hauling coal; also each is ventilated with fan for ventilation, etc. These mines are being worked in conjunction, as all coal from each mine is dumped over same tipple. Inspected these mines on the 21st and 22nd of November and found them in very fair condition in all respects.

PIVOT ROCK COAL COMPANY, Smalley, Ky.
R. V. Wolford, Superintendent and Manager; G. C. Stephens, Mine Foreman.

This mine is located one mile east of Smalley, Floyd County, Ky. Shipping point, Martin, Ky., B. & O. Railroad. Coal is shot off solid and hauled by mules. Fan is used for ventilation. I visited this mine May 18 and found it not properly ventilated at all points in mine; also that they were working several boys under 16 years of age. I requested that boys not be allowed to

work in mines, also that ventilation be improved by increasing speed of fan, cleaning up airways, repairing doors and stoppings, etc.

ELKHORN COAL CORPORATION, Wheelwright, Ky.
Mine 377.

Main Office, New York, N. Y.

G. W. Fleming, President; J. F. Caulfield, Vice President and Treasurer; T. S. Haymond, General Manager; W. H. Trausneck, Manager; D. L. Coulter, Superintendent; Walter Lewis, Mine Foreman.

This mine is located at Wheelwright, Floyd County, Ky., and is on B. & O. Railroad, working No. 3 Elkhorn seam, which is 53 inches thick. Coal is mined by electric machines and hauled by electric motors and the mine is ventilated by fan. This mine has very bad roof conditions, which is soft and slippery slate, and falls sometimes to a distance of 15 feet high on entries, but they are looking after this at all times and keep a force of men going over entries continually and taking down or timbering all loose or dangerous slate. At this particular mine they have tried the use of cement gun on all entries, both roof and walls, but this does not seem to have done much good so far. I visited this mine November 21 and found same in fair condition.

LORRAIN ELKHORN COAL COMPANY, Melvin, Ky.
Main Office, Prestonsburg, Ky.

I. T. Craft, President; Sam L. Spradlin, Vice President; William Dingus, General Manager; Thomas J. May, Secretary and Treasurer; John Harmon, Mine Foreman.

This mine is located at Melvin, Floyd County, Ky., on B. & O. Railroad, and is working No. 1 Elkhorn seam, which is 36 inches thick, free from parting; sandstone roof. This company works an average of thirty men and four mules. Coal is shot off the solid and hauled by mules and the mine is ventilated by furnace. I visited this mine October 27 and found same not being properly ventilated owing to furnace not giving results. I requested that a fan be installed to properly ventilate the mine and comply with the law.

ELKHORN PINEY COAL MINING COMPANY, Weeksbury,
Kentucky.

Main Office, Milwaukee, Wisconsin.

C. D. Weeks, President; D. T. Macleod, Vice President;
F. M. Addis, General Superintendent; J. W. Hager, Mine Super-
intendent; J. M. Webb, Mine Foreman.

This mine is located at Weeksbury, Floyd County, Ky., on the Long Fork division B. & O. Railroad, and is working No. 1 Elkhorn seam of coal, which is 44 inches thick. This is the largest mine this company is operating at this place, as they work inside mine 140 coal loaders and day men, and at this particular mine they use the checking system. Each miner and day man is checked in and out both night and morning.

Coal at this place is mined by electric machines and is hauled by electric motors. Mine is ventilated by fan. I visited this mine October 26 and found that ventilation was not carried to all working places owing to too many doors being used on main haulway or intake, which were left standing open at times by motorman, which caused the air to short circuit and not reach the working places at all times. I requested that overcasts or automatic doors be installed in places where wooden doors now are.

ELKHORN PINEY COAL MINING COMPANY, Weeksbury,
Kentucky.

Main Office, Milwaukee, Wisconsin.

D. L. McLeod, Vice President; F. M. Addis, General Super-
intendent; J. W. Hager, Mine Superintendent; Geo. Wilburn,
Mine Foreman.

This mine is located at Weeksbury, Floyd County, Ky., on the Long Fork division, B. & O. Railroad, and is working No. 1 Elkhorn seam. All modern machinery is used at this mine for mining and hauling coal, and it is ventilated by fan. I visited this mine October 25 and found it in fair condition. A report was left covering all defects.

MACK COAL COMPANY, Grey Eagle, W. Va.

J. W. Smith, Superintendent and Mine Foreman.

This mine is located just across river from Grey Eagle, W. Va., and is in Martin County, Ky., and is also working No. 2

gas seam, which is about 44 inches thick, and is being worked as a shaft. Coal is hoisted up out of shaft and transferred across river to tippie by aerial tram to siding on N. & W. Railroad. The coal is mined by electric machines and is hauled by small ponies, and the mine is ventilated by a small fan. I visited this mine July 13 and found ventilation very poor on account of fan being too small to produce the required amount of air; also found that drainage was very bad. I requested that a new and larger fan be installed; also that all water either be pumped or drained out of mine.

FLOW MINING COMPANY, Kermit, W. Va.

D. W. Farquharson, President and General Manager; P. M. Farquharson, Superintendent and Mine Foreman.

This mine is located on Wolf Creek in Martin County, Ky., about three miles from Kermit, W. Va. Connection is made with N. & W. Railroad by narrow gauge road at a distance of two miles in length. Coal is hauled from mine by steam locomotive in miniature gondolas. At this mine coal is being shot off the solid and hauled by mules, mine is ventilated by fan. The seam of coal worked is No. 2 gas, which is 48 inches thick, practically clean. This mine was inspected by me on the 12th of July and found to be in fair condition.

EARLSTON COAL COMPANY, Kermitt, W. Va.

J. D. McLaughlin, Superintendent; C. A. Peake, Mine Foreman.

This mine is located on the opposite side of the river from Kermit, W. Va., in Martin County, Ky., and is working No. 2 gas seam, which is 48 inches thick, free from parting. The coal was formerly shot off the solid and hauled by mules, but during the year a power house and machinery have been installed. They have electrical power installed and generator is run by natural gas. This is the only one of this kind in my district and seems to give entire satisfaction in every way. At the present time coal is mined by electric machines and hauled by electric motors, and the mine is ventilated by fan. An aerial tram is used to transfer the coal across the river to tippie, which is loaded and shipped over the N. & W. Railroad at Kermit. I visited this

mine July 12th and found it not being properly ventilated owing to the size of fan, which was too small, only 42 inches in diameter. I requested that a larger fan be installed at the mine to increase the amount of air going into mine for number men employed, which instructions, I understand have been complied with.

HIMLER COAL COMPANY, Himlerville, Ky.

Martin Himler, President; Louis Hanczinger, Vice President; Eugene J. Lang, Manager, Secretary and Treasurer; A. L. Toshie, Superintendent; John F. Ballough, Mine Foreman.

This mine is located at Himlerville, Martin County, Ky., and is working Buck Creek block or No. 2 gas seam of coal, which is an average of 60 inches thick and free from parting. It is a slope mine and the company has a lease of 3,000 acres and began shipping coal in 1921. At this place they have an all-steel tippie able to handle 2,500 tons in eight hours when fully developed. At the present time this mine is producing around 2,000 tons daily. They have a power house equipped with five boilers of 200 H. P. each. Coal is mined by Goodman shortwall mining machines and hauled by Iron-ton storage battery locomotives. The mine is ventilated by fan. This mine is being worked on the cooperative plan, the operation being owned and controlled by Hungarians, there being 1,500 stockholders in the company, all said to be practical miners. Not all of this number have arrived as yet, some being in the old country, but are ready just as soon as the development of the mine increases and they can get houses completed to furnish them on their arrival. I visited this mine July 11 and found same in fair condition in every respect.

CRYSTAL BLOCK COAL COMPANY, Richardson, Ky.

Main Office, Ashland, Ky.

J. W. Stewart, President; J. C. Pinson, Superintendent and Mine Foreman.

This mine is located on a branch line of the C. & O. Railroad, about three miles from Richardson, in Lawrence county. The coal at this place is 5½ feet thick, with an 18 inch parting of

white slate near the center. At this mine coal is shot off the solid and hauled by mules, and the mine is ventilated by a fan. Inspected this mine June 19 and found same in fair condition.

CUB MOUNTAIN COAL COMPANY, Nola, W. Va.

H. W. McGinnis, President and General Manager; S. P. Harris, Secretary and Treasurer; Jacob Grow, Superintendent and Mine Foreman.

This mine is located opposite Nolan, W. Va., in Martin County, Ky. Coal is shot off the solid and hauled by mules. The mine is ventilated by fan. An aerial tram is used to carry coal across the river to tippie, which is loaded and shipped over the N. & W. Railroad at Nolan, W. Va.

SURE BURN COAL COMPANY, Richardson, Ky.

Main Office, Williamson, W. Va.

M. O. Randolph, Manager and Superintendent; H. H. Randolph, Secretary and Treasurer.

This mine is located three miles from Richardson in Lawrence County, Ky., on a branch line of the C. & O. Railroad, and was formerly the Peach Orchard Coal Company, which is one of the oldest mines in this section of the country. Coal is shot off the solid and hauled by mules, and the mine is ventilated by fan. I visited this mine on the 19th of June and found it in fair condition.

SUPERIOR ELKHORN BY-PRODUCT COAL COMPANY.

Bevinsville, Ky.

W. W. Linsay, Manager and Superintendent; Mat Addams, Mine Foreman.

This mine is located at Bevinsville, Floyd County, Ky., on the B. & O. Railroad, and was formerly the Elkhorn Collieries Company. The mine is working the No. 3 Elkhorn seam, which is fifty inches thick. This mine is very high on the mountain and coal is carried from mines to tippie by aerial tram a distance of 1,400 ft. in 2 ton buckets. Coal is shot off the solid and hauled by mules, and the mine is ventilated by furnace. Inspected this mine June 9 and found ventilation very poor at working face. I requested that a fan be installed to use instead of furnace, at

once to comply with the law, as furnace was in bad repair and would not produce the required amount of air for the number of men employed inside.

JACKS CREEK COAL COMPANY, Bevinsville, Ky.

Main Office, Garrett, Ky.

A. J. Johnson, President; James Salisbury, Vice President; E. M. Rodway, Secretary and Treasurer; J. W. Shober, Superintendent; J. B. Fraley, Mine Foreman.

This mine is located on Jacks Creek, about two miles from Bevinsville, in Floyd County, Ky., and makes connection with B. & O. Railroad. This mine is working No. 3 Elkhorn seam, which is 48 inches thick. Coal is mined by electric machines and hauled by electric motors, and the mine is ventilated by fan. Inspected this mine June 8 and found it in fair condition. This mine has very bad roof conditions but is being kept well timbered or taken down when necessary.

BEAVER ELKHORN COAL COMPANY, Bevinsville, Ky.

Main Office, Ashland, Ky.

Jno. E. Buckingham, President; J. A. Perry, Superintendent; B. F. Hall, Mine Foreman.

This mine is located at Bevinsville, Floyd County, Ky., and is on B. & O. Railroad, and is working No. 2 Elkhorn seam, which is 40 inches thick, free from partings. Coal is shot off the solid and hauled by mules, and the mine is ventilated by fan. I visited this mine June 7 and found same in very fair condition.

FLOYD ELKHORN CONSOLIDATED COAL COMPANY, Drift, Ky.

Mine No. 1.

G. C. See, Superintendent; E. F. Miller, Mine Foreman.

This mine is located at Drift, Floyd County, Ky., on the Long Fork division of the B. & O. Railroad, and is working No. 2 Elkhorn seam, which is 38 inches thick. Coal is mined by electric machines and hauled by mules, and the mine is ventilated by fan. I visited this mine May 30 and found same in fair condition.

BEAVER ELKHORN COLLIERIES COMPANY, Printer, Ky.

Mine No. 1.

Main Office, Huntington, W. Va.

E. V. Kennedy, General Manager; Wm. Smith, Superintendent and Foreman.

This mine is located at Printer, Floyd County, Ky., on B. & O. Railroad, and was formerly the Printer Elkhorn Coal Company, having changed management during this year. This mine is working No. 2 Elkhorn seam and coal is shot off the solid and hauled by mules, and the mine is ventilated by fan. I visited this mine May 29 and found very bad roof conditions, with loose slate on entries, which I requested to have taken down or keep well timbered at all times. I also visited this mine on the 27th of November for the purpose of investigating the cause of a fatal accident which occurred in the mine by falling slate.

TURNER ELKHORN COAL COMPANY, Drift, Ky.

W. G. Reese, Superintendent and Mine Foreman.

This mine is located at Drift, Floyd County, Ky., on the B. & O. Railroad, and is working the No. 2 Elkhorn seam, which is 44 inches thick. Coal is shot off the solid and hauled by mules. A furnace is used for ventilation. I visited this mine May 26th and found same in fair condition.

J. N. MEEK COAL COMPANY, Drift, Ky.

Main Office, Paintsville, Ky.

J. N. Meek, President and General Manager; Wm. Burgess, Mine Foreman.

This mine is located at Drift, Floyd County, Ky., about six miles from Martin, on the B. & O. Railroad. It is working two seams of coal with two separate openings. The same tippie is used for both. The coal in each seam is 42 inches thick, free from partings. Coal is shot off the solid and hauled by mules, and the mine is ventilated by fan. I visited this mine on May 25th and found it not properly ventilated at the working face on account of many leaky stoppings and doors, which in some places were curtains. I requested that these conditions be improved by building new stoppings, doors, etc.

REGAL BLOCK COAL COMPANY, Ivel, Ky.

Main Office, Marytown, W. Va.

Joseph Fleenor, President; J. H. Anderson, Secretary and Treasurer; R. E. Ellis, Superintendent; E. R. Wells, Mine Foreman.

This mine is located at Ivel, Floyd County, Ky., and is on the C. & O. Railroad. It is working No. 2 Elkhorn seam, which is 40 inches thick, with a 3-inch parting. Coal at this mine is shot off the solid and is hauled by mules and the mine is ventilated by furnace. I visited this mine May 23rd and found that ventilation was not up to requirements of law as furnace failed to produce the necessary amount of air for number of men employed. I requested that a fan be installed in place of furnace, which I understand has been complied with and they now have a fan, which improves conditions.

CAREY ELKHORN COAL COMPANY, Smalley, Ky.

Main Office, Louisa, Ky.

D. J. Burchett, General Manager; J. W. Ratliff, Superintendent and Foreman.

This mine is located at Smalley, Floyd County, Ky., one mile east of Martin, Ky., on the B. & O. Railroad, and is working No. 1 Elkhorn seam, which is 40 inches thick. Coal is shot off the solid and hauled by mules and the mine is ventilated by fan. I visited this mine May 19th and found, except the dangerous practices and careless handling of explosives, same was in fair condition.

BEAVER CREEK COAL COMPANY, Garth, Ky.

C. K. Holt, Manager and Superintendent; Robert Hayes, Mine Foreman.

This mine is located at Garth, Floyd County, Ky., on the B. & O. Railroad, and is working No. 1 Elkhorn seam. Coal is mined by electric machines and hauled by electric motors. This mine was inspected by me May 19th and found that coal and slate were allowed to accumulate along haulways on main entry, which obstructed the clearance where miners traveled. I requested that this condition be improved so as to eliminate a possible fatal accident. Other conditions satisfactory.

TRIVETTE ELKHORN COAL COMPANY, Smalley, Ky.

Dover Morris, Superintendent; John Turvey, Mine Foreman.

This mine is located about two miles from Smalley, in Floyd County, Ky., on B. & O. Railroad, and is working No. 1 Elkhorn seam. Coal is shot off solid and hauled by mules. The mine is ventilated by fan. I inspected this mine May 18th and found same in fair condition.

PARKER ELKHORN COAL COMPANY, Smalley, Ky.

Main Office, Prestonsburg, Ky.

This is a small mine located at Smalley, Floyd County, Ky., and is on the B. & O. Railroad. The mine is owned by Prestonsburg people, W. W. Williams, Fred Addams and others, but when inspected was being worked under lease by R. W. Brunk and B. L. Priddie, of Huntington, W. Va. This mine is working No. 1 Elkhorn seam, which is 36 inches thick. Coal is shot off the solid and hauled by mules. Ventilation by furnace. At this visit I found that the furnace was not giving satisfaction. I requested that same be rebuilt or a fan installed to comply with the law.

SAMOSET FUEL CORPORATION, Smalley, Ky.

S. G. Brolley, Manager and Superintendent; W. H. Cox, Mine Foreman.

This mine is located at Smalley, Floyd County, Ky., and is on the Long Fork division of the B. & O. Railroad, near Martin Station. This mine is working No. 2 Elkhorn seam. Coal is shot off the solid and hauled by mules, and ventilation is by furnace. This mine was inspected by me on May 17 and I found the ventilation very poor, as furnace did not give good results. I recommended that a fan be installed at this mine to take place of the furnace, and was informed a short time later that same had been done, and they now have a fan driven by a gasoline engine, which makes all conditions satisfactory.

MAY COAL COMPANY, Alphoretta, Ky.

A. J. May, President and General Manager; G. H. Wolfe, Superintendent; J. O. Sinnott, Mine Foreman.
This mine is also located at Alphoretta, Floyd County, Ky.,

and is on the C. & O. Railroad, and is working No. 1 Elkhorn seam. The coal at this mine is shot off the solid and hauled by mules, and it is ventilated by fan. I visited this mine May 9 and found it in very fair condition in all respects.

BAILEY-FERGUSON COAL COMPANY, Alphoretta, Ky.

Main Office, Prestonsburg, Ky.

S. C. Ferguson, General Manager; Cal Clark, Superintendent; Wm. Miller, Mine Foreman.

This mine is located at Alphoretta, Floyd County, Ky., on the C. & O. Railroad, about seven miles from Beaver Creek Junction, and is working No. 1 Elkhorn seam, which is about 60 inches thick. Coal is mined by electric machines and hauled by electric motors. The mine is ventilated by fan. This mine was inspected by me on May 9th and found to be in very fair condition.

BLACKBURN COAL COMPANY, Alphoretta, Ky.

Fred Blackburn, Superintendent and Mine Foreman.

This mine is located at Alphoretta, Floyd County, Ky., on the right fork of Beaver Creek on the C. & O. Railroad. It is working the No. 2 Elkhorn seam. Coal is shot off the solid and hauled by mules. Ventilation is by fan. I inspected this mine on May 8 and found it to my surprise in the following condition: Magazine inside mine a distance of 70 feet from drift mouth, which contained 24 full kegs of black powder. In order to get in this magazine I was compelled to secure bar and pull staple, as no one seemed to have the key. While there I removed this powder to a safe distance outside mine, and gave instructions that a magazine must be built outside mine at once, so as to comply with the law, which was done immediately, as I made another visit for the purpose of finding out if they intended to comply with my instructions.

HAYS ELKHORN COAL COMPANY, Northern, Ky.

A. E. Hays, Manager and Superintendent.

This small mine is located near Northern, in Floyd County, Ky., on the C. & O. Railroad, and is working No. 2 Elkhorn seam. Coal is shot off the solid and hauled by mules. I visited

this mine March 8 and found entries only driven short ways in. This is a new mine just started this year and had not yet installed a fan or furnace to ventilate the mine, but I was assured that a fan would be installed in the near future. All other conditions satisfactory.

NORTHERN ELKHORN COAL COMPANY, Northern, Ky.

Main Office, Prestonsburg, Ky.

S. C. Ferguson, President; Cal Clark, Secretary and Treasurer; Harry Cooley, Mine Foreman.

This mine is located at Northern, Floyd County, Ky., on the C. & O. Railroad, about ten miles from Beaver Creek Junction. This company has two openings at this place, which are in different seams, being about 100 feet apart. They use the same tippie for both mines and are working No. 1 and 2 Elkhorn seams. Coal is shot off the solid and hauled by mules. Mines are ventilated by furnace. I visited this operation March 8 and found No. 1 or lower seam not in operation. I inspected No. 2 mine and found same in fair condition.

GOODIN AND BARNEY COAL COMPANY, Hueysville, Ky.

Mine No. 2.

J. G. Goodin, President; J. D. Barney, General Manager; Frank Wolfe, Mine Foreman.

This is a new operation located at Hueysville, Floyd County, Ky., and is working the No. 1 Elkhorn seam. Coal is shot off the solid and hauled by mules. The mine is ventilated by fan. I visited this mine March 7 and found that the miners were allowed to take full kegs of powder in mines, use dust for tamping and firing a number of shots in succession. I requested that powder not be allowed taken inside in kegs and to use clay for tamping instead of dust and to not allow more than one shot fired at one time.

WELLS ELKHORN COAL COMPANY, Hueysville, Ky.

Mine No. 1.

Main Office, Ashland, Ky.

G. C. Wolfe, Manager; F. H. Cooley, Mine Foreman.

This mine is located at Hueysville, Floyd County, Ky., on the C. & O. Railroad, and is working the No. 1 Elkhorn seam.

Coal is shot off the solid and hauled by mules. Ventilation is by fan. I visited this mine March 7 and found same in fair condition, as they had made some improvements since my last visit and report on this mine.

SUPERIOR ELKHORN COAL COMPANY, Hueysville, Ky.
Main Office, Ashland, Ky.

J. F. Brown, Superintendent and Manager; Green Allen, Mine Foreman.

This mine is located at Hueysville, Floyd County, Ky., on the C. & O. Railroad, and is working the No. 1 Elkhorn seam, which is 40 inches thick, with sandstone top. Coal is shot off the solid and hauled by mules. The mine has a fan for ventilation. I visited this mine March 6 and found it in very fair condition.

NORTHEAST COAL COMPANY, White House, Ky.
Mine No. 15.

A. D. W. Smith, President; C. B. Metzger, Secretary; H. Laviers, Manager; R. C. Thomas, Superintendent; Albert Nicholas, Mine Foreman.

This mine is located at White House, Johnson County, Ky., on the C. & O. Railroad. This is a shaft mine, being 110 feet deep. They are working the No. 1 seam of coal, which is an average of 38 inches thick, free from parting. Coal is mined by electric shortwall machines and hauled by electric motors. The mine is ventilated by fan. I visited this mine February 27 and while I found some improvement over my last inspection and report of this mine, there are still some improvements needed in and around the mine to bring same up to the standard and requirements of the law.

STANDARD ELKHORN COAL COMPANY, Garrett, Ky.

A. J. Johnson, General Manager; J. O. Johnson, Superintendent; R. L. Bailey, Mine Foreman.

This mine is located at Garrett, Floyd County, Ky., on the C. & O. Railroad, and is working the No. 1 Elkhorn seam which is 60 inches thick, free from partings, about 12 inches of this being a good grade cannel, and is loaded in separate cars by miners.

Coal is shot off the solid and hauled by mules to siding. From this point they use rope haulage, which carries the coal to outside or tippie. I inspected this mine February 25 and found same in very fair condition.

GOODIN & BARNEY COAL COMPANY, Garrett, Ky.

J. G. Goodin, President; J. D. Barney, Manager and Superintendent; H. N. Rager, Mine Foreman.

This mine is located at Garrett, Floyd County, Ky., on the C. & O. Railroad, and is working No. 1 Elkhorn seam, which is 40 inches thick. Coal is shot off the solid and hauled by mules. The mine is ventilated by fan. I visited this mine February 24 and found same in a very dry condition. On some entries dust had accumulated in dangerous quantities. I requested that this dust be loaded out and hauled outside and the mine sprinkled and kept in a moist condition at all times. This company was also allowing full kegs of powder to be taken in mine and firing a number shots in succession. I also requested that this be not allowed and to only fire one shot at a time.

BEAVER MOUNTAIN COAL COMPANY, Allen, Ky.
Main Office, Prestonsburg, Ky.

A. Fleming, Superintendent and Manager; Dick McGuire, Mine Foreman.

This mine is located at Allen, Floyd County, Ky., on the C. & O. Railroad, near Beaver Creek Junction. It is working the No. 1 Elkhorn seam, which is only 30 inches thick and has a sandstone roof. Coal is shot off the solid and hauled by mules. The mine is ventilated by a furnace. I visited this mine February 24 and found ventilation not up to the requirements of the law on account of furnace not giving results; also doors and stoppings in bad order. I requested that the furnace be repaired or to install a fan, and to build new doors and repair stoppings.

WINCHESTER COAL COMPANY, Emma, Ky.

Main Office, Prestonsburg, Ky.

R. N. White, General Manager; B. L. Porter, Superintendent; J. W. Branham, Mine Foreman.

This mine is located at Emma, Floyd County, Ky. on the

C. & O. Railroad, about eight miles east of Prestonsburg, Ky. The mine is on the opposite side of the River from railroad, and coal is carried across the river by aerial tram in 2-ton buckets. This mine is working the No. 2 seam of coal, which is 46 inches thick and has a 6-inch parting. Coal is mined by electric machines and hauled by mules, and ventilation by furnace. I visited this mine on February 17 and found ventilation very poor on account of the furnace not giving the required results. I requested that a fan be installed in place of furnace. Since this visit they have complied with my request, and now have a fan installed which gives satisfaction, and have also made other improvements in and around the mine.

STOVER-ELKHORN COAL COMPANY, Lackey, Ky.

J. B. Robinson, Superintendent and Mine Foreman.

This mine is located at Lackey, Floyd County, Ky., on the C. & O. Railroad, about 18 miles from Beaver Creek Junction, and is working No. 1 Elkhorn seam. Coal is mined by electric machine and hauled by electric motors. I inspected this mine February 15 and found some parts of mine or entries very dry and dusty. I requested that all dust be loaded and hauled outside and mine be thoroughly sprinkled and kept in moist condition at all times. All other conditions satisfactory.

COLLINS MINING COMPANY, Lackey, Ky.

M. N. Collins, President and General Manager; J. B. Dills, Superintendent and Mine Foreman.

This mine is located at Lackey, Ky., on C. & O. Railroad, and is working No. 1 Elkhorn seam, which is 46 inches thick. Coal is shot off solid and hauled by mules. Ventilation is by fan driven by a gasoline engine. I visited this mine February 15 and found it not being properly ventilated on account of leaky doors and stoppings. I requested that the doors be repaired and new stoppings built so as to improve ventilation.

PORTER MINING COMPANY, Lackey, Ky.

Main Office, Ashland, Ky.

Sam Porter, President and General Manager; J. B. Sturgill, Mine Foreman.

This mine is located at Lackey, Floyd County, Ky., on C. & O. Railroad, and is working No. 1 Elkhorn seam, which is 48 inches thick with a 2-inch parting. Coal is shot off the solid and hauled by mules. I visited this mine February 14 and found same in very fair condition.

ZELLA MINING COMPANY, Lackey, Ky.

Main Office, Ashland, Ky.

This mine is also located at Lackey, Ky., and is owned and controlled by the same company as the Lackey Mining Company. The same officials in charge except T. J. Hancock, mine foreman. This mine is also working No. 1 Elkhorn seam, which is shot off the solid and hauled by mules. The mine is ventilated by fan. I visited this mine on the 8th of February and found that the ventilation was not being carried to working places in sufficient quantities; also the same conditions as the Lackey Mining Company in regard to full kegs of powder in mines, etc. I requested that all these dangerous practices be eliminated and the ventilation be brought up to the requirements of the law. I have been informed that my instructions have been carried out to the letter.

LACKEY MINING COMPANY, Lackey, Ky.

Main Office, Ashland, Ky.

R. D. Clere, General Manager; J. F. Brown, Superintendent; J. B. Collins, Mine Foreman.

This mine is located at Lackey, Floyd County, Ky., on the C. & O. Railroad, and is working No. 1 Elkhorn seam, which is 48 inches thick. Coal is shot off the solid and hauled by mules. Ventilation by fan. I visited this mine on February 7 and found same in fair condition, except allowing miners to take full kegs of powder into mines and open with pick and to fire several shots in succession. I requested that powder be taken in mines in jacks, not more than one day's supply and only one shot to be fired at a time.

WELLS ELKHORN COAL COMPANY, Lackey, Ky.

Mine No. 2.

Same officials as Mine No. 4, except J. H. Tufts, Mine Foreman.

This mine is located at Lackey, Floyd County, Ky., on the

C. & O. Railroad, and is working No. 1 Elkhorn seam, which is 52 inches thick. Coal is shot off the solid and hauled by mules. Ventilation by fan. I visited this mine January 28 and found some parts of the mine not properly ventilated on account of using curtains for doors in several places; also the mine was not being kept well drained, as water was standing over track on main haulage road. I requested that these conditions be attached to at once and comply with the law in each instance.

WELLS ELKHORN COAL COMPANY, Estill, Ky.

Main Office, Ashland, Ky.

Jno. E. Buckingham; President; G. C. Wolfe, Superintendent; Lee H. Wilbur, Mine Foreman.

This mine is located at Estill, Floyd County, Ky., on the C. & O. Railroad, and is working No. 1 Elkhorn seam, which is 48 inches thick. Coal is mined by electric machines and hauled by electric motors, and the ventilation is by fan. I visited this mine January 27 and found that miners were not setting enough timbers in working places for safety. I requested that this matter be attended to at once so as to eliminate a possible accident. All other conditions satisfactory.

GLOGORA COAL COMPANY, Glo, Ky.

Main Office, Huntington, W. Va.

Richard Williams, President; C. H. Bidenmiller, General Manager; Carl B. Metzger, Secretary; C. O. Messenger, Superintendent; J. G. Hinkle, Mine Foreman.

This mine is located at Glo, Floyd County, Ky., opposite Wayland, Ky., on the right fork of Beaver Creek on the C. & O. Railroad, and is working No. 1 Elkhorn seam, which is an average of 48 inches thick. Coal is mined by electric machines and hauled by electric motors and ventilation is by fans. I visited this mine on the 26th of January and found some of the entries were very dry and some dust had accumulated. I requested that all dust be loaded out and sent outside and entries be sprinkled and kept in moist condition at all times.

JONES COLLIERIES COMPANY, Banner, Ky.

Fred E. Jones, President and General Manager; Wm. Pack, Superintendent; C. R. Taylor, Mine Foreman.

This mine is located at Banner, Floyd County, Ky., about two miles east of Beaver Creek junction, and is working No. 2 Elkhorn seam, which is 36 inches thick, with a 3-inch parting. Ventilation is by fan. Coal is shot off the solid and hauled by mules. I visited this mine on January 20 and found that the miners were not setting enough timbers in their working places for safety, as they have very bad roof conditions. I requested that miners be required to keep their places well timbered.

CAMP BRANCH COAL COMPANY, Ivel, Ky.

Main Office, Pikeville, Ky.

W. W. Bentley, President; Burne Ratcliff, Vice President; W. E. Johnson, Secretary and Treasurer; Thurston Thacker, Mine Foreman.

This mine is located about two miles east of Ivel, Ky., in Floyd County, on the C. & O. Railroad, and is working No. 2 Elkhorn seam, which is 48 inches thick, with a 3-inch parting near center. Coal is shot off the solid and hauled by mules, and a furnace is used for ventilation. I visited this mine on 19th of January and found same not in operation. No fire in furnace, but I made an inspection as to the general conditions and found the mine has a very bad roof of a soft and slippery slate.

SAINT PAUL COAL COMPANY, Betsey Layne, Ky.

W. C. Howes, President; A. M. Layne, Vice President; O. J. Williams, Manager and Treasurer; W. D. Huffman, Mine Foreman.

This mine is located about one mile west of Betsey Layne, Floyd County, Ky., on the C. & O. Railroad, and is working No. 1 Elkhorn seam of coal, which is 42 inches thick. The coal at this point is below tippie height and the opening or drift comes out under the railroad. The coal is hoisted up in tippie and dumped in railroad cars. The coal at this mine is shot off the solid and hauled by mules. A fan is used for ventilation. I

visited this mine January 17 and found all conditions satisfactory, except the firing of a number of shots in succession. I requested that only one shot be fired at one time for safety.

BIG ELKHORN COAL COMPANY, Betsey Layne, Ky.

M. C. Justice, President; C. Jones, Vice President; G. H. Justice, Superintendent; H. E. Peters, Mine Foreman.

This mine is located at Betsey Layne, Floyd County, Ky., on C. & O. Railroad, and is working No. 1 Elkhorn seam. Coal is mined by electric machines and is hauled by electric motors. The mine is ventilated by a fan. I visited this mine on January 16 and found electric wires not properly guarded at junction of entries, also that the mine had very bad roof conditions. I requested that all trolley wires be properly guarded where men traveled under to and from work; also that all loose and dangerous slate must be either taken down or well timbered and made safe.

PIKE-FLOYD COAL COMPANY, Betsey Layne, Ky.

Elsworth Shriver, Superintendent; H. C. Delaney, Mine Foreman.

This mine is located about one mile from Betsey Layne in Floyd County, Ky., on opposite side of river from the C. & O. Railroad, and is working No. 1 Elkhorn seam of coal, which is about 62 inches thick and contains two partings three inches thick and one in or near the bottom three inches thick. This company has three different openings or mines at this place, but are all worked in conjunction, the same tippie being used for all. These mines are all equipped with electric machines for mining coal, which is hauled by electric motors, and are ventilated by fans. I visited these mines on the 11th of January and found all conditions satisfactory.

LAYNE COAL COMPANY, Herald, Ky.

H. H. Layne, President; J. C. Layne, Vice President; J. B. Layne, Secretary; Dallas Layne, Treasurer.

This mine is located one mile west of Herald, in Floyd County, Ky., and the owners and officials of the company are all brothers and they all seem to take great delight in their opera-

tion, and each knows his job, and they all work at the mine or in the office. The mine is working No. 1 Elkhorn seam. Coal is shot off the solid and hauled by mules, and ventilation is by fan. I visited this mine on January 10 and found it in satisfactory condition.

HARALD COAL & COKE COMPANY, Harald, Ky.

Main Office, Roanoke, Va.

C. Markley, President; S. C. Markley, Secretary and Treasurer; J. P. Small, Manager and Superintendent; H. C. Roskey, Mine Foreman.

This mine is located at Harald, Floyd County, Ky., on Big Sandy division of the C. & O. Railroad, and is working the No. 1 Elkhorn seam, which is 66 inches thick, with a 24-inch parting of white slate near center. They use for mining this coal electric are wall machines and coal is hauled by electric motors. The mine is ventilated by fan. I inspected this mine on the 29th of January and found same in very fair condition.

ELKHORN STAR COAL COMPANY, Minnie, Ky.

Main Office, Pikeville, Ky.

W. D. Sutton, President and General Manager; S. C. Otis, Vice President and Secretary; W. W. Gray, Treasurer; W. H. Mathis, Superintendent; M. D. Ramsey, Mine Foreman.

This mine is located at Minnie, Floyd County, Ky., on the Long Fork division of the B. & O. Railroad, and is working the No. 1 Elkhorn seam. Coal is shot off the solid and hauled by mules. The mine is ventilated by fan. During the year this company has installed an air compressor to run drill, which eliminates the slow process of drilling coal by hand, which increases their output considerably.

SANDY RIVER COAL COMPANY, Williamsport, Ky.

Main Office, Detroit, Michigan.

C. C. Ward, Manager and Superintendent; G. M. Ward, Mine Foreman.

This mine is located at Williamsport, Johnson County, Ky., about four miles from the C. & O. Railroad at Offutt, Ky., connections being made by narrow gauge road. Coal is hauled by

steam locomotive. This is one of the oldest operations in this section of the country, and is still owned by an Ohio concern, but is under lease by the present operators, Ayers & Lang. Coal at this mine is shot off the solid and hauled by mules. This operation had been using the worthless furnace for ventilation ever since it first started mining. At one of my former inspections of this mine I found that the furnace did not comply with the law and give required results, and I requested that a fan be installed in 20 days, which was done, and they now have a good fan driven by a gasoline engine that gives entire satisfaction.

GREEN ROCK COAL COMPANY, Riceville, Ky.

Main Office, Detroit, Michigan.

H. A. Fidler, President; A. H. West, Secretary and Treasurer; S. A. Fidler, Superintendent; W. W. Conley, Mine Foreman.

This mine is located at Riceville, Johnson County, Ky., on the B. S. & K. R. Railroad, about ten miles from Paintsville, Ky., and is working the No. 1 or Kentucky Block seam of coal, which is an average of 36 inches thick. This mine has very fair conditions in general and the company has always cooperated with me in eliminating the dangerous practices of allowing full kegs of powder to be taken in mine which are almost always opened with a pick. The coal at this mine is shot off the solid and hauled by mules, and a fan driven by a gasoline engine is used for ventilation.

WINCO BLOCK COAL COMPANY, Naugatuck, W. Va.

Mines and General Office, Naugatuck, W. Va.; Branch Office, Bluefield, W. Va.

J. T. Wilson, President and Treasurer; H. J. Brook, Vice President; T. L. Boehlring, Secretary; A. E. Knee, General Manager; J. B. Scaff, Mine Foreman.

This mine is located in Martin County, Ky., just across the river from Naugatuck, W. Va., and is working the Chilton seam, which is 40 inches thick, free from parting, also the Winefrede Coalburg seam, which is 59 inches, with a 7-inch parting. Each seam has a sandstone roof. This operation was started this year and the first shipment of coal was made in April. Coal is con-

veyed across Tug River to a siding on the N. & W. Railroad by aerial tram. Coal is mined by electric machines and hauled by electric motors, and each mine is equipped with fan for ventilation, and is equipped with shaker screen tippie and makes four different grades of coal. This operation when fully developed expects to produce 1,000 tons daily.

DESCRIPTIVE LIST FATAL ACCIDENTS, SEVENTH DISTRICT.

MILLERS CREEK EXCELSIOR COAL COMPANY, Auxier, Kentucky.

Martin Bays, age 15 years, single. Killed by explosion of full keg of powder in mines, January 20, 1922.

CONSOLIDATION COAL COMPANY, MINE No. 2, Vanlear, Kentucky.

James Tomlin, age 36; American; married. Killed by fall of slate, February 3, 1922.

WELLS-ELKHORN COAL COMPANY, Estill, Ky.

Willie Franklin, married, age 31. Killed by slate fall, March 1, 1922.

ELKHORN PINEY COAL MINING COMPANY, Weeksbury, Ky., Mine No. 1.

Stanley Wroblewski, Polish, age 25, single. Killed by fall of slate, March 17, 1922.

BEAVER CREEK COAL COMPANY, Garth, Ky.

Simeon Miller, Polish, age 38, married. Killed by slate fall, April 29, 1922.

NORTHEAST COAL COMPANY, Thealka, Ky., Mine No. 3.

Cov Smith, age 32, married; American. Wm. Helton, age 43, married; American. Killed by explosion of machine, charged with dynamite or other high explosive, June 27, 1922.

PIKE FLOYD COAL COMPANY, Betsey Layne, Ky.

Alva Ball, brakeman, killed by being crushed by motor, August 24, 1922.

ELKHORN PINEY COAL MINING COMPANY, Weeksburg,
Ky., Mine No. 7.

Henry Osborn, age 43, married. Killed by slate fall, August 1, 1922.

ELKHORN PINEY COAL MINING COMPANY.

Leeman Hall, age 18, single, working as trapper, was caught by motor and crushed to death, September 14, 1922.

BIG ELKHORN COAL COMPANY, Betsey Layne, Ky.

_____ came in contact with unguarded wire and was killed instantly.

EIGHTH DISTRICT

Hon. Lawson Blankinsopp,
Chief Inspector of Mines,
Lexington, Kentucky.

Dear Sir:

I hereby submit to you my annual report for year 1922. I wish to thank the operators of my district for the courtesy shown to me while making inspection of their mines, and for their co-operation with the Department of Mines.

I am pleased to report to you the operators, mine officials and miners as a rule have cooperated with me to prevent accidents and to have the law complied with. The 8th district consists of Pike County and has 70 operations with 124 openings or mines; 94 of these operations are electric, 30 are pick mines. The condition for my district has been quite discouraging on account of strikes in the Tug river section; also the railroad strike came later on, which gave us a car shortage which was never regained. Hence my district has not had more than a 25 to 30 per cent run for the year 1922.

Trusting this report will meet with your approval, I am,
Very respectfully,

GRANT PHILLIPS,
Assistant Mine Inspector, 8th Kentucky District, Pikeville, Ky.

WINSTON-ELKHORN COAL COMPANY, Kewanee, Ky.

Willie Coleman, Superintendent; Horace Gray, Mine Foreman.

This mine is located on the C. & O. Railroad, 8 miles above Pikeville, working the lower Elkhorn seam, thickness 36 inches; electrical equipment; coal gathered by mules; tram by motors; was visited January 5, 1922. Found in ordinary condition; favorable. Working about 45 men at certain times.

J. B. ELKHORN COAL COMPANY, Hildason, Ky.

George A. Clutts, Superintendent; J. N. Woolum, Mine Foreman.

This mine is located on the S. V. & E. Railroad or B. & O. system, Douglas station. Electrical equipment, working about 55 men. Visited January 9, 1922. Found in fair condition; working the upper Elkhorn seam, thickness 65 inches, and is about 20 miles south of Pikeville, Ky.

J. B. ELKHORN COAL COMPANY, Hildason, Ky.

George A. Clutts, Superintendent; J. N. Woolum, Mine Foreman.

This mine is located on the S. V. & E. Railroad or B. & O. Douglas station. Electrical equipment, working the lower Elkhorn seam, 54 inches. Visited January 9, 1922; working about 60 men. Mine in fair condition. This mine is located 20 miles south of Pikeville.

FORD ELKHORN COAL COMPANY, Robinson Creek, Ky.

T. J. Phillips, Superintendent; Henry Bowling, Mine Foreman.

Nos. 1 and 2 mines, located on the S. V. & E. Railroad, B. & O. system, Robinson Creek station. Electrical equipment; working the upper and lower Elkhorn seams, average thickness about 47 inches; working about 80 men. Visited January 10, 1922. Found in fair condition.

KENTUCKY ELKHORN BI-PRODUCT COAL COMPANY, Dorton, Ky.

H. H. Davis, Superintendent; Lee Belcher, Mine Foreman.

Mine closed down day visit was made on account of car shortage. This mine is located on the S. V. & E. Ry., B. & O. system, at Dorton, Ky. Electrical equipment; working about 60 men. Visited January 11, 1922, and found in fair condition. Lower Elkhorn seam, 48 inches.

KENTUCKY BLOCK FUEL COMPANY, Jonaney, Ky.

Superintendent, Chas. Wagner; Mine Foreman, B. F. Stillner.

Electrically equipped. Working the upper Elkhorn seam,

48 inches. This mine was visited January 12, 1922, and found in fair condition. Working about 70 men. B. & O. system of the S. V. & E. Railroad, 22 miles from Pikeville.

GREENO COAL COMPANY, Hellier, Ky.

Mines 1 and 2.

J. M. Smith, Superintendent; Tony Compton and J. B. Layne, Mine Foremen.

Working both the upper and lower Elkhorn seam. Thickness respectively 40 and 60 inches. This mine is located on the C. & O. at Hellier, Ky. Visited January 16, 1922, and found in fair condition. Working about 110 men. Electric equipment.

EDGEWATER COAL COMPANY, Hellier, Ky.

Mines 1, 2, 3 and 4.

J. T. Straughan, Superintendent; C. H. Scott, A. L. Goodson, Clarence Arnold and Frank Ward, Mine Foremen.

These mines were visited on January 17, 18 and 19th, 1922, and found in fair condition. Working both the lower and upper Elkhorn seams; average 50 inches. Located on the C. & O. Working about 300 men. Electric equipment.

EDGEWATER COAL COMPANY, Lookout, Ky.

Henry Clay plant, 1 and 2.

F. L. Long, Superintendent; Reece Bartley and R. H. Hickman, Mine Foremen.

Working both the lower and upper Elkhorn seams, an average of 48 inches. Located on the C. & O. Railroad, Henry Clay Station, Lookout, Ky. Was visited January 20, 1922. Fair condition. Working about 90 men. Electrical equipment.

MARROWBONE MINING COMPANY, Lookout, Ky.

Rockhouse.

C. D. Jacobs, Superintendent; H. B. Green, Mine Foreman.

Working both the lower and upper Elkhorn seams, average thickness 46 inches. Was visited January 23, 1922, and found in fair condition. Working about 80 men. Located on C. & O. Railroad. Electrical equipment.

MANUFACTURERS COAL & COKE COMPANY, Manco, Ky.
Hellier No. 2.

J. T. Smith, Superintendent; Emil Childers, Mine Foreman.

This mine is located on the C. & O. Railroad, Hellier Station, Manco Ky. Working the upper Elkhorn seam, 44 inches thick. Working 80 men. Visited January 25, 1922, and found in fair condition. Electrical equipment.

MANUFACTURERS COAL & COKE COMPANY, Manco, Ky.
Hellier No. 1.

J. T. Smith, Superintendent; John F. Jones, Mine Foreman.

Located on the C. & O. Railroad. Working the lower Elkhorn seam, averaging 48 inches. Working about 85 men. Electrical equipment. Visited January 25, 1922; found in fair condition.

PARAGON ELKHORN COLLIERIES COMPANY, Dunleary,
Kentucky.

G. B. Rackley, Superintendent; Chas. Stafford, Mine Foreman.

Located on the C. & O. Railroad, Dunleary station. Working the lower Elkhorn seam, thickness 50 inches. Employs about 65 men. Electrical equipment. Visit was made January 25, 1922. Found in fair condition.

McKINNEY STEEL COMPANY, Wolfpit, Ky.
Wolfpit Plant.
Mine No. 1.

L. C. Campbell, Superintendent; J. W. Estep, Mine Foreman.

Located on the C. & O. Railroad. Working the lower Elkhorn seam 54 inches thick. Working 200 men. Electrical equipment. Visit was made January 30, 1922. In good condition except bad draw slate top.

McKINNEY STEEL COMPANY, Wolfpit, Ky.
Wolfpit Plant.
Mine No. 2.

L. C. Campbell, Superintendent; J. W. Estep, Mine Foreman.

Located on the C. & O. Railroad. Working the upper Elkhorn seam, thickness 46 inches. Working about 150 men. Electrical equipment. Visited January 31, 1922. Fair condition.

ELKHORN SEAM COLLIERIES COMPANY, Collins, Elkhorn seam, Kentucky.

D. T. Saunders, Superintendent; J. L. Wartman, Mine Foreman.

This mine is located on the S. V. & E. Railroad. Working the upper Elkhorn seam, 44 inches thick. Working about 45 men. Electrical equipment. Visited February 1, 1922. Fair conditions.

FUNK COAL COMPANY, Sutton, Ky.

H. H. Funk, Superintendent; Lincoln Music, Mine Foreman.

Located on the C. & O. Railroad. Working the lower Elkhorn seam, 52 inches thickness. Working about 25 men. Pick mine. Visited February 2, 1922. Fair condition.

BUCKFIELD COAL COMPANY, Collins, Elkseam, Ky.

A. B. Brooke, Superintendent; J. A. Clouse, Mine Foreman.

Located on the S. V. & E. Railroad. Working lower Elkhorn seam, 50 inches. Working 35 men. Pick mine. Visited February 3, 1922. Fair condition.

Big Shelby Coal Company changed to
SHELBY COAL MINING COMPANY, Shelby, Shelbyana, Ky.

G. C. Lusk, Superintendent; Chas. Lusk, Mine Foreman.

Located on the C. & O. Railroad. Working upper Elkhorn seam, 52 inches. Working about 40 men. This is a pick mine. Visited February 4, 1922. Found in fair condition.

JAMES HATCHER COAL COMPANY, Big Shoal, Ky.

A. L. Trimble, Superintendent; A. L. Trimble, Mine Foreman.

Located on the C. & O. Railroad. Working the upper Elkhorn seam, 66 inches. Working about 15 men. Other openings just developing. Electrical equipment. Mine visited February 6, 1922. Found in fair condition.

YOUNCE COLLIERIES COMPANY, Mossy Bottom, Ky.

H. B. Hembree, Superintendent; H. B. Hembree, Mine Foreman.

Located on the C. & O. Railroad, Mossy Bottom, Ky. Working the lower Elkhorn seam, 36 inches. This is a pick mine. Was visited February 7, 1922. Found in fair condition. Working ten men.

COAL RUN MINING COMPANY, Coal Run, Ky.

H. H. Funk, Superintendent; E. A. Bertran, Mine Foreman.

Located on the C. & O. Railroad. Working both the upper and lower Elkhorn seams, 66 and 44 inches respectively. Working about 35 men. These are pick mines. Visited February 6, 1922. Conditions are very good.

STEEL COAL COMPANY, Mossy Bottom, Ky.

Fred Stone, Superintendent; Bill Ratliff, Mine Foreman.

This mine is located on the C. & O. Railroad. Working the upper Elkhorn seam, 60 inches in thickness. Working about 50 men. Electrically equipped. Visit was made February 7, 1922. Conditions are only fair.

ELKHORN GAS COAL COMPANY, Elkhorn City, Praise, Ky.

Dave Berryman, Superintendent; H. H. Canada, Mine Foreman.

This mine is located on the C. C. & O. Railroad. Working the Auxier seam, 48 inches thick. Working about 30 men. Electrical equipment. Visit was made February 13, 1922. Very fair conditions exist.

KANAWHA ELKHORN COLLIERIES COMPANY, Elkhorn City, Praise, Ky.

R. C. Simpson, Superintendent; A. J. McKinney, Mine Foreman.

Located on the C. C. & O. Railroad. Working the upper Elkhorn seam, 48 inches thick. Working about 65 men. Electrically equipped. Visit made February 14, 1922. Conditions fair. Bentley plant, Middle Ridge plant and Superior plant not running at this time.

KENTUCKY ELKHORN COAL CORPORATION, Elkhorn City, Praise, Ky.

W. R. Todd, Superintendent and Mine Foreman.

Located on the C. & O. Working the Elswick seam 40 inches. About 30 men. Electric equipment. Visit was made February 15, 1922. Conditions are good.

PRAISE ELKHORN COAL COMPANY, Elkhorn City, Praise, Kentucky.

Superintendent and Mine Foreman, Keenies Elswick.

Located on the C. & O. Railroad. Working the upper Elkhorn seam, thickness 43 inches. About 20 men. Electric equipment. Visited February 15, 1922. Conditions are fair.

WINSTON-ELKHORN COAL COMPANY, Regina, Ky.

Mine No. 2.

W. M. Price, Superintendent; Horace Gray, Mine Foreman.

Located on the C. & O. Railroad. Working the lower Elkhorn seam, 42 inches in thickness. About 30 men working. This is a pick mine. Visited February 16, 1922. Conditions not so good, for the reason that this mine has just been reopened.

STEEL COAL COMPANY, Mossy Bottom, Ky.

Fred Stone, Superintendent; Bill Ratliff, Mine Foreman.

Working the Upper Elkhorn seam, thickness 65 inches. About 30 men working. Electrical equipment. Visit was made on February 23, 1922. Conditions fair except could get no reading of air at the face of mine.

ELKHORN SHELBY CREEK COAL COMPANY, Esco, Ky.

Chas. Connolly, Superintendent; John Bowling, Mine Foreman.

Working the upper Elkhorn seam, thickness 66 inches. Working about 85 men. Electric equipment. Visit was made on February 24, 1922. Conditions are good.

KENTUCKY BLOCK FUEL COMPANY, Jonancy, Ky.

Chas. Wagner, Superintendent; B. L. Stiltner, Mine Foreman.

This mine was visited on January 12 by being reported up in bad condition. I was ordered by the chief to revisit and make inspection. The said inspection showed about as the first and that the report sent to the chief from some individual showed to be untrue.

FURNACE COAL MINING COMPANY, Boldman, Ky.

W. J. Smith, Superintendent; John Tidewell, Mine Foreman.

This mine is located on the C. & O. Railroad. Working the upper Elkhorn seam, thickness 66 inches, with heavy slate parting. Working about 65 men. Coal is gathered by mules. Electric equipment. Visit was made March 9, 1922. Fair conditions exist except some drainage and slate gob.

CHRISTIE SOWARDS MINING COMPANY, Broad Bottom, Mossy Bottom, Ky.

J. J. Christie, Superintendent; Wm. Janey, Mine Foreman.

Located on the C. & O. Railroad. Working the Lower Elkhorn seam, thickness 66 inches, slate parting about 16 inches. Number of men about 25. This is a pick mine. Was visited March 10, 1922. Found in fair condition except there was no daily record being kept.

KEEL COAL COMPANY, Polly, Pikeville, Ky.

J. F. Pauley, Superintendent; Charlie Caniff, Mine Foreman.

Located on the C. & O. Railroad. Working the upper Elkhorn seam, thickness 72 inches, parting about 15 inches. Work-

ing about 35 men. This coal is shot from the solid. Visit was made March 11, 1922. Conditions are fair. Also working the lower Elkhorn seam, thickness about 50 inches. This seam has been closed down and is not working. At the present time this plant is installing electric equipment.

T. N. HUFFMAN COAL COMPANY, Pikeville, Ky.

T. N. Huffman, Superintendent; Sid Huffman, Mine Foreman.

Located on the C. & O. Railroad at Pikeville, Ky. Working the upper Elkhorn seam, 54 inches thick. Shoot from the solid. Air and drainage conditions are very poor. Visited March 24, 1922. Working ten men.

BORDERLAND COAL CORPORATION, Borderland, W. Va. (Mine No. 1.)

J. L. Blevins, Superintendent; Mont Williams, Mine Foreman.

Located on the N. & W. Railroad. Conveyer conveys the coal from the Kentucky side to the West Virginia side. Working the Thacker seam, 60 inches. Working about 65 men. Electric equipment. Visited March 27, 1922. Found conditions very good.

BORDERLAND COAL CORPORATION. (Plant 2, Mine 2.)

J. L. Blevins, Superintendent; J. H. Brooks, Mine Foreman.

Located on the N. & W. Working the Winifred seam, robbing pillars. Working 12 men. Electric equipment. Visited March 27, 1922. Fair conditions. Mine No. 3, Taylor seam, not running.

BORDERLAND COAL CORPORATION, Borderland, W. Va. (Plant 1, Mine No. 3.)

R. H. Tinsley, Superintendent; Bert Bartran, Mine Foreman.

Located on the N. & W. Working the Winifred seam, 60 inches. Working 50 men; all pillar work. Electric equipment. Visited March 28, 1922. Found conditions very good.

BORDERLAND COAL CORPORATION.

(Plant 1, Mine 2.)

R. H. Tinsley, Superintendent; R. L. Aliff, Mine Foreman.

Located on the N. & W. Working the Taylor seam, 40 inches in thickness. Thirty men working. Electric equipment. Visited March 28, 1922. Found said mine in good condition.

BORDERLAND COAL CORPORATION.

(Plant 1, Mines 3 and 4.)

R. H. Tinsley, Superintendent; Heenan Pinson, Mine Foreman.

Located on the N. & W. Railway. Working the Thacker seam, average thickness 66 inches. Working about 25 men. These mines are just being developed. Electric equipment. Visited March 28, 1922. Found good conditions.

POND CREEK BI-PRODUCT COAL COMPANY, Williamson, W. Va.

W. E. Davis, Superintendent; Bob Gould, Mine Foreman.

Located on the N. & W. Railway. Working the Thacker seam, 48 inches. Working about 100 men. Electric equipment. Visited this mine on March 29, 1922. Found it in extra good condition.

FALL BRANCH COAL COMPANY, Chatteroy, W. Va.

G. G. Wray, Superintendent; C. S. Staley, Mine Foreman.

Located on the N. & W. Working the Thacker seam, 48 inches. Working about 25 men. Electric equipment. Visited this mine on March 29, 1922. Find conditions very good.

IRA COAL COMPANY, Williamson, W. Va.

R. F. Sattlefield, Superintendent; R. F. Sattlefield, Mine Foreman.

Located on the Williamson, Pond Creek Railway. Working the Pond Creek seam, 38 inches. Working about 20 men. Coal is shot from the solid. Visited mine on March 30, 1922. Some very bad conditions exist.

R. G. BAILEY COAL COMPANY, (changed to the Bailey Pond Creek Coal Company,) Williamson, W. Va.

R. G. Bailey, Superintendent; John Marcum, Mine Foreman.

Located on the Williamson Pond Creek Railway. Working the Pond Creek seam, thickness 45 inches. Working about 30 men. Electric equipment. Visit was made on March 30, 1922. Conditions showed only fair.

LECKIE COLLIERIES COMPANY, Afex, Ky.

(Mine No. 1.)

C. C. Wilbur, Superintendent; Joe Vensey, Mine Foreman.

Located on the Williamson Pond Creek Railroad. Working the Pond Creek seam, thickness 48 inches. About 110 men are employed at this mine. Electric equipment. Conditions were good when visit was made March 31, 1922.

LECKIE COLLIERIES COMPANY.

(Mine No. 2.)

C. C. Wilburn, Superintendent; E. F. Milam, Mine Foreman.

Working the Thacker seam, thickness 48 inches. About 50 men employed at this mine. Electric equipment. Visit was made April 1, 1922. Found conditions very good.

ALLBURN COAL CORPORATION, McCarr, Ky.

(Mine No. 2.)

W. H. Turner, Superintendent; E. H. Caudill, Mine Foreman.

Located on the N. & W. Railway. Working the Thacker seam, 54 inches. Working 90 men. Electric equipment. Visited April 3, 1922. Conditions found good.

(Mine No. 3.)

Working the Thacker seam, 40 inches thickness. Fifteen men. Electric equipment. Visited April 3, 1922. Found in good condition. Mine No. 1 abandoned.

THACKER MINING COMPANY, Rose Siding, West Va.

G. M. Slaughter, Superintendent; A. L. Copley, Mine Foreman.

Located on the N. & W. Working the Alma seam, 65 inches thick. Working 35 men. Electric equipment. Visit was made on April 4, 1922. Satisfactory conditions.

(Thacker No. 5.)

G. M. Slaughter, Superintendent; A. L. Gopley, Mine Foreman.

Working Thacker seam, 54 inches. About 40 men. Electric equipment. Visit was made April 4, 1922. Satisfactory conditions exist at this mine. Coal is conveyed to the West Virginia side in buckets.

PORTSMOUTH BI-PRODUCT COKE COMPANY, (changed from Portsmouth Solvay Coal Co., Delorme), Edgerton, W. Va.
Thos. Deveny, Superintendent; Joe Phillips, Mine Foreman.

Located on the N. & W. Railway. Working the Freeburn seam, 66 inches. Working 139 men. Electric equipment. Visit was made April 6, 1922. Found mine in very good condition.

BAILEY FUEL COMPANY, Toler, Ky.

W. J. Murphy, Superintendent; W. D. Varner, Mine Foreman.

Located on the Williamson Pond Creek Railway. Working the Pond Creek seam, average 48 inches. Working about 85 men. Electric equipment. Visit made April 7, 1922. Mine in very good condition.

MUDLICK COAL COMPANY, Sharondale, Ky.

P. S. York, Superintendent; Thos. W. Palmer, Mine Foreman.

This mine is located on the Williamson Pond Creek Railway. Working the Pond Creek seam, 60 inches. Employs about 35 men. Coal is mined from the solid. Visited this mine April 8, 1922. Very fair conditions exist at this mine.

VICTOR COAL COMPANY, Pinson Junction, McAndrews, Ky.
Wm. Gardner, Superintendent and Mine Foreman.

Located on the Williamson Pond Creek Railway. Working the Pond Creek seam. Average thickness 72 inches. Working about 15 men. Coal is mined from the solid. Ventilated by a fan, gasoline engine. Was visited April 10, 1922. Conditions very good.

MARIETTA COAL COMPANY, Peg, Pinson Fork, Ky.
(Mine No. 1.)

J. H. Young, Superintendent; Walter Wroten, Mine Foreman.

Located on the Williamson Pond Creek Railway. Working the Pond Creek seam, 66 inches. Working about 25 men. Coal is mined from the solid. Visited April 10, 1922. Found in good condition. This mine had an explosion on February 9, 1922, in a mild form, killing 9 men. Caused by blown out shot. Since that time the mine inspectors who visited the explosion, J. A. Lewis, M. L. Wells and Grant Phillips, recommended to said company that they build permanent stoppings and put on a regular shot firer, which has been done.

(Mine No. 2.)

J. H. Young, Superintendent; Walter Wroten, Mine Foreman.

Visited April 10 in connection with mine No. 1, and found in good condition. This mine is worked from the solid, working the Pond Creek seam, average 66 inches. Employ about 30 men. Said mine is in extra good condition. These mines are ventilated by fans run by gasoline engines.

BLAKE COAL MINING COMPANY, Pinson, Junction, McAndrews, Ky.

This has changed hands and run by the Pike Pond Creek Coal Company. Visited April 11, 1922. Found in fair condition.

SULLIVAN POND CREEK COAL COMPANY, Pinson Junction, McAndrews, Ky.

Wayne Blymal, Superintendent and Mine Foreman.

Located on the Williamson Pond Creek Railway. They

operate the Pond Creek seam. Average thickness of the coal is about 60 inches. Employ about 90 men. Electric equipment. Visited April 11, 1922. Conditions of this mine are very good.

POND CREEK COAL COMPANY, McVeigh, Ky.

(Mine No. 7.)

D. W. Hogan, Superintendent; O. H. Walker, Mine Foreman.

Located on the Williamson Pond Creek Railway. Working the Pond Creek seam, with an average thickness of 60 inches. Employ about 125 men. Electric equipment. Visited April 12, 1922. Fair conditions in all respects.

(Mine No. 6.)

D. W. Hogan, Superintendent; H. K. Tilley, Mine Foreman.

Located on the Williamson Pond Creek Railway. Drift mine working the Pond Creek seam, 60 inches thick. Working about 110 men. Electrically equipped. Visited April 13, 1922. Conditions very good.

POND CREEK COAL COMPANY.

(Mine No. 5.)

G. E. Shelor, Superintendent; B. B. Martin, Mine Foreman.

Located on the Williamson Pond Creek Railway, Peg station; P. O., Pinson Fork. Working the Pond Creek seam, average thickness 56 inches. Employ about 90 men. Electrically equipped. Visit was made April 14, 1922. Satisfactory conditions exist at this mine.

POND CREEK COAL COMPANY.

(Mine No. 8.)

G. E. Shelor, Superintendent; H. S. Wentz, Mine Foreman. This mine is located on the Williamson Pond Creek Railway at Stone, Ky. Working the Pond Creek seam, average thickness 70 inches. Gives employment to about 100 men. Electric equipment. Visit was made April 18, 1922. The existing conditions are very good.

POND CREEK COAL COMPANY.

(Mine No. 4.)

G. E. Shelor, Superintendent; W. A. Eads, Mine Foreman.

Located on the Williamson Pond Creek Railway, Stone, Ky. Working the Pond Creek seam, average thickness 70 in. Giving employment to 75 men. Electric equipment. Visit made April 19, 1922. Satisfactory conditions exist at this mine.

POND CREEK COAL COMPANY.

(Mine No. 3.)

G. E. Shelor, Superintendent; J. A. Helm, Mine Foreman.

Located on the Williamson Pond Creek Railway at Stone, Ky. Working the Pond Creek seam, 63 inches. Gives employment to about 125 men. Electric equipment. Visited April 20, 1922. Conditions of the mine are good.

POND CREEK COAL COMPANY.

(Mine No. 1.)

Joe Madison, Superintendent; Chas. Duncan, Mine Foreman.

Located on the Williamson Pond Creek Railway at Hardy, Ky. Working the Pond Creek seam, average 50 inches. Gives employment to about 100 men. Electric equipment. Visited June 14, 1922. Conditions of said mine are very good.

POND CREEK COAL COMPANY, Hardy, Ky.

(Mine No. 2.)

Joe Madison, Superintendent; George Darbershire, Mine Foreman.

Working the Pond Creek seam, thickness 50 inches. Located on the Williamson Pond Creek Railway. Employes about 100 men. Electric equipment. Visited June 15, 1922. Satisfactory conditions exist at this mine.

TIERNEY MINING COMPANY, Stone, Ky.

(Mine No. 1.)

G. C. Woods, Superintendent; George Foster, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operat-

ing the Pond Creek seam, thickness 54 inches. Employs about 65 men. Electric equipment. Visited April 21, 1922. Found in fair condition.

(Mine No. 2.)

G. C. Woods, Superintendent; George Foster, Mine Foreman.

Located on the Williamson Pond Creek Railway at Stone, Ky. Operating the Pond Creek seam, thickness 56 inches. Employs about 65 men. Electrically equipped. Visited April 1, 1922. Found in good condition as to health and safety.

SUDDUTH FUEL COMPANY, Stone, Ky.

(Mine No. 1.)

John Bassham, Superintendent; H. L. Maxie, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, 45 inches, from 8 to 15 inches of the bottom not taken. Employs about 125 men. Electric equipment. Visited April 22, 1922. Conditions are very good.

Mine No. 2 of the Sudduth Fuel Company is not operating.

ORINOCO MINING COMPANY, Orinoco, Ky.

(Mine No. 2.)

J. H. Wagner, Superintendent; Rich Browning, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, 50 inches. Employing about 60 men. Electric equipment. Visited April 17, 1922. Found conditions very good, except could get no air reading at the main face, but stoppings were being repaired, which will make ventilation good.

(Mine No. 3.)

J. H. Wagner, Superintendent; Rich Browning, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, thickness 60 inches. Employing about 60 men. Electric equipment. Visited April 17, 1922. Conditions good.

VULCAN COLLIERIES COMPANY, Vulcan, W. Va.

P. J. Wynn, Superintendent; Jake Aliff, Mine Foreman.

Mines 2, 3, 3½ and 4 located on the N. & W. Railway. Working the Glen Alum seam, 56 inches; the Alma seam, 42 inches; lower split of the Thacker seam, 42 inches, and upper split of the Thacker seam, 60 inches. Giving employment to 125 men. Electric equipment. Visit made April 24, 1922. Conditions fair.

MAJESTIC COLLIERIES COMPANY, Majestic, Ky.

(Mine No. 1.)

R. H. Heyser, Superintendent; Thos. Lemon, Mine Foreman.

Located on N. & W. Railway. Working the Warfield seam, thickness 72 inches. Gives employment to 150 men. Electrically equipped. Visited April 25, 1922. Found in good condition.

(Mine No. 2.)

R. H. Heyser, Superintendent; Thos. Lemon, Mine Foreman.

Located on N. & W. Railway. Working the Glen Alum seam, 48 inches thick. Employing about 50 men. Electric equipment. Visited April 25, 1922. Conditions fair.

ROGERS ELKHORN COAL COMPANY, Virgie, Ky.

T. E. Rogers, Superintendent; Boss Jones, Mine Foreman.

Located on the S. V. & E. Railway. Working the upper Elkhorn seam 72 inches thick. Employing about 80 men. Electric equipment. Visited May 22, 1922. Conditions are very good.

KANAWHA ELKHORN COLLIERIES COMPANY, Elkhorn City, Praise, Ky.

(Middle Ridge Mine.)

R. C. Simpson, Superintendent; W. L. Pardue, Mins Foreman.

Located on the C. C. & O. Railway. Operating the lower Elkhorn seam, 54 inches thick. Employing about 25 men. This is a pick mine. Visit was made May 24, 1922. Conditions very good except no daily record being kept.

TRIANGLE COAL COMPANY, Pinson Junction, McAndrews, Kentucky.

(Mine No. 1.)

T. N. Daugherty, Superintendent and Mine Foreman.

Working the Pond Creek seam, 54 inches. Located on the Williamson Pond Creek Railway. Employs about 20 men. Coal is mined from the solid. Conditions very good. This mine has been closed for more than a year. Just started operating. Visited June 9, 1922.

(Mine No. 2.)

T. N. Daugherty, Superintendent and Mine Foreman.

Located on the Williamson Pond Creek Railway. Working the Pond Creek rider seam, average 37 inches. Coal machine cut and coal hauled from mines 1 and 2 by mule. Visited June 9, 1922. Mine in very good condition.

PAYNE POND CREEK COAL COMPANY, Stone, Ky.

W. M. Long, Superintendent; Lon Helm, Mine Foreman.

Located on the Williamson Pond Creek Railway. This is a new mine just starting up. Work from the solid. Operating Pond Creek seam, 60 inches. Employs about 25 men. Visited June 9, 1922. Found in good condition, but no daily record being kept.

SOLVAY COLLIERIES COMPANY, Belfrey, Ky.

(Mines 1 and 3.)

E. W. Price, Superintendent; M. E. Cooper, Mine Foreman.

This mine has changed hands since this visit was made to Kingston Pocahontas Coal Company. Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, 60 inches. Giving employment to about 100 men. Electric equipment. Visited June 10, 1922. Existing conditions are very good.

BLACK GEM COAL COMPANY, Toler, Ky.

Harry Jones, Superintendent; M. D. Smith, Mine Foreman.

Located on the Williamson Pond Creek Railway. Employs about 30 men. Working the Pond Creek seam, 54 inches. Coal

is mined from the solid. This mine has been shut down for more than a year. Just began to operate. Conditions are not so good at present.

CARRY ON COAL COMPANY, Toler, Ky.

Harry Jones, Superintendent; Thos. Palmer, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, 48 inches. Employing about 30 men. Coal is mined from the solid. Visited June 12, 1922. Conditions fair.

BANNER POND CREEK COAL COMPANY, Belfrey, Ep, Ky.

D. J. Rusmissess, Superintendent; J. K. McGee, Mine Foreman.

Located on the Williamson Pond Creek Railway. Working the Pond Creek seam, average thickness 54 inches. Employing about 20 men. This mine is mined from the solid. Visited June 12, 1922. Fair condition.

SHARON COAL & COKE COMPANY, Sharondale, Ky.

E. M. Tierney, Superintendent; S. L. Bowling, Mine Foreman.

Located on the Williamson Pond Creek Railway. Working Pond Creek seam, average thickness 50 inches. Employs about 65 men. Electric equipment. Mine visited June 13, 1922. Fair conditions at this mine.

BURNWELL COAL & COKE COMPANY, Sprigg, W. Va.

R. C. Pritchard, Superintendent; J. H. Bowles, Mine Foreman (permit).

Located on the N. & W. Railway. Working the Pond Creek seam, 52 inches. Employs about 75 men. Electric equipment. Visited June 16, 1922. Conditions very good at this mine, but no daily record being kept as the mine had been closed down for more than a year on account of the strike.

BIG HOLLOW COAL COMPANY, Pikeville, Ky.

T. N. Huffman, Superintendent; Claude T. Huffman, Mine Foreman.

Located on the C. & O. Working the upper Elkhorn seam 52 inches. Employing about 30 men. This coal is mined from the solid, hauled by mules. Visited July 10, 1922. Conditions fair. Had been closed down for more than a year.

MOSSY BOTTOM MINING COMPANY, Mossy Bottom, Ky.

H. R. Hamilton, Superintendent; H. C. Daniels, Mine Foreman.

Located on the C. & O. Railway. Working the lower Elkhorn seam. Thickness 42 inches. This mine has been closed down for more than a year, therefore the mine is not in first-class condition. Employs about 30 men. Coal is mined from the solid. Visit made July 11, 1922.

KEYSER COAL COMPANY, Keyser, Ky.

Charlie Keyser, Superintendent; Jack Ramey, Mine Foreman.

Located on the C. & O. Railway. Working the lower Elkhorn seam, thickness about 65 inches. Coal is gathered by mules, hauled by motor. Employs about 70 men. Electric equipment. Visited July 12, 1922. Conditions in this mine are good.

MANUFACTURERS COAL & COKE COMPANY, Hellier, Manco, Ky.

(Allegheny Mine No. 1.)

J. T. Smith, Superintendent; J. F. Jones, Mine Foreman.

Located on the C. & O. Railway. Working the lower Elkhorn seam, 48 inches in thickness. Employing about 75 men. Electric equipment. Visit made September 18, 1922. Found it in very fair condition.

(Allegheny Mine No. 2.)

J. T. Smith, Superintendent; E. B. Childers, Mine Foreman.

Working the Upper Elkhorn seam, 48 inches. Employs about 75 men. Electric equipment. Visit made September 18, 1922. This mine in good condition.

GREENO COAL COMPANY, Hellier, Ky.

J. M. Smith, Superintendent; E. K. Huffman, Mine Foreman.

Located on the C. & O. Railway. Working the lower Elkhorn seam, 48 inches. Employing about 50 men. Electric equipment. Visited September 19, 1922. Found in fair condition. No daily record being kept.

Greeno Mine No. 2 not running

EDGEWATER COAL COMPANY, Hellier, Ky.

(Coaldale Plant, Mine No. 4.)

J. A. Straughan, Superintendent; Frank Ward, Mine Foreman.

Located on C. & O. Railway. Working lower Elkhorn seam, average 48 inches. Giving employment to about 85 men. Electric equipment. This mine running about 25 per cent on account of shortage of cars. Visited September 20, 1922. Conditions good.

(Coldale Plant, Mine No. 3.)

J. A. Straughan, Superintendent; Frank Ward, Mine Foreman.

Working the upper Elkhorn seam, average 50 inches. Giving employment to about 50 men. Electric equipment. Running about 25 per cent on account of car shortage. Visited September 20, 1922. Found mine in fair condition.

(Coaldale Plant, No. 1.)

J. A. Straughan, Superintendent; A. L. Goodson, Mine Foreman.

Working the lower Elkhorn seam, 46 inches. Employing about 150 men. Electric equipment. Running about 25 per cent on account of car shortage. Visited September 21, 1922. Fair conditions exist at this mine. Some bad clearances along the main line.

(Coldale Plant, Mine No. 2.)

J. A. Straughan, Superintendent; A. L. Goodson, Mine Foreman.

Working the upper Elkhorn seam, 44 inches. Employing about 65 men. Electric equipment. Visited September 21, 1922. Conditions very good.

EDGEWATER COAL COMPANY, Lookout, Ky.

(Henry Clay Plant, Mine No. 1.)

C. H. Scott, Superintendent; Wall Wiley, Mine Foreman.

Located on the C. & O. Railway. Operating the Lower Elkhorn seam, 48 inches thick. Employing 75 men. Electric equipment. Visited September 26, 1922. Conditions good.

(Henry Clay Plant, Mine No. 2.)

C. H. Scott, Superintendent; R. H. Hickman, Mine Foreman.

Working the upper Elkhorn seam, thickness 48 inches. Employing about 70 men. Electric equipment. Visited September 26, 1922, and found working conditions good.

EDGEWATER COAL COMPANY, Big Branch Plant.

Clarence Arnold, Superintendent and Mine Foreman.

This mine is just starting up. I find they have no daily record books, after being closed down for more than a year. Running about 25 per cent of the time. Operating the lower Elkhorn seam, 48 inches thick. Giving employment to 45 men. Electric equipment. Visited September 27, 1922. Conditions are very good for this mine.

YOUNCE COLLIERIES COMPANY, Mossy Bottom, Ky.

H. B. Hembree, Superintendent and Mine Foreman.

Located on the C. & O. Railway. Employs about 12 men. Coal mined from the solid. Visited September 28, 1922. Conditions very good.

MARROWBONE MINING COMPANY, Rockhouse, Lookout, Kentucky.

(Mine No. 1.)

C. D. Jacob, Superintendent; W. E. Elias, Mine Foreman.

Located on the C. & O. Working the Lower Elkhorn seam, 46 inches. Employing about 50 men. Electric equipment. Visited October 25, 1922. Found in fair condition. Running about one day per week.

(Mine No. 2.)

C. D. Jacob, Superintendent; W. E. Elias, Mine Foreman

Working the upper Elkhorn seam. Employing about 15 men. Running about 32 coke ovens. Electric equipment. Visited October 25, 1922. Condition fair.

ELKHORN-MARROWBONE COAL COMPANY, Wolfpit, Ky.

(Mines 1, 2, 3.)

S. W. Ratliff, Superintendent; J. W. Stair, Mine Foreman.

This is a new mine just being developed. None of the openings are in more than 200 feet. Located on the C. & O. Railway. Operating the Lower Elkhorn seam, 54 inches thick. Employing about 30 men. This mine is worked from the solid. Visited mine October 26, 1922. Found they were keeping no daily record. Otherwise the mine is in fair condition.

LOONEY JUSTICE COAL COMPANY, Marrowbone, Regina, Kentucky.

W. T. Haynes, Superintendent; Fred Fyfe, Mine Foreman.

This is a new mine just being developed. Operating the Lower Elkhorn seam, 40 inches thick. Employing about 12 men. Coal is mined from the solid. Visited October 27, 1922. Fair conditions exist at this mine.

BORDERLAND COAL CORPORATION, Borderland, W. Va.

(Boarderland Plant No. 2, Mine No. 1.)

J. L. Blevins, Superintendent; W. A. Robinson, Mine Foreman.

Located on the N. & W. Railway. Operating the Thacker seam, 60 inches. Employing about 86 men. Electric equipment. Coal is conveyed from the Kentucky side to the West Virginia side on a conveyer. Visited mine November 6, 1922. Found same in very nice condition; running about two days per week, caused by car shortage.

(Borderland Plant No. 2, Mine No. 2.)

J. L. Blevins, Superintendent; W. A. Robinson, Mine Foreman.

Operating the Winifred seam, 54 inches thick. Employing about 20 men. Electric equipment. Robbing pillars. Visited mine November 8, 1922. Found same in very fair condition.

(Borderland Plant 1, Mine No. 1.)

R. H. Tinsley, Superintendent; W. D. Bowlin, Mine Foreman.

Located on the N. & W. Railway. Working the Thacker seam, 60 inches. Employing about 115 men. Three mining machines. Electric equipment. Visited November 9, 1922. Good condition.

(Borderland Plant 1, Mine No. 3.)

R. H. Tinsley, Superintendent and Mine Foreman.

Operating the Winifred seam, 72 inches. Robbing pillars. Employing about 25 men. Electric equipment. Visited November 9, 1922. Conveyer used to take coal to West Virginia side. Taylor seam not running. Running about two days per week.

FALL BRANCH COAL COMPANY, Chatteroy, W. Va.

W. J. Ray, Superintendent; Wm. Copley, Mine Foreman.

Located on the N. & W. Railway. Operating the Thacker seam, 48 inches. Coal is conveyed from the Kentucky to the West Virginia side in buckets. Employing about 30 men. Electric equipment. Visited November 10, 1922. Found in good condition.

P. M. C. COAL COMPANY, Sprigg, W. Va.

H. L. Ross, Superintendent; Harve Cooper, Mine Foreman.

Located on the N. & W. Railway. Operating the Alma seam, thickness 43 inches. Employs about 30 men. Electric equipment. Visited November 11, 1922. Found conditions not so good for reason of being closed down for nearly two years on account of a strike, etc.

BURNWELL COAL & COKE COMPANY, Sprigg, W. Va.

R. L. Pritchard, Superintendent; R. L. Cruse, Mine Foreman.

Located on the N. & W. Railway. Operating the Pond Creek seam, thickness 54 inches. Employing about 65 men. Electric equipment. Visited November 13, 1922. Found conditions fair.

THACKER COAL MINING COMPANY, Rose Siding, W. Va.
(Mine No. 3.)

G. H. Slaughter, Superintendent; A. L. Copley, Mine Foreman.

Located on the N. & W. Railway. Operating the Alma seam, 60 inches. Employs about 35 men. Electric equipment. Visited November 14, 1922. Found in good condition.

(Mine No. 5.)

G. H. Slaughter, Superintendent; A. L. Copley, Mine Foreman.

Working the Thacker seam, 56 inches. Employs about 50 men. Electric equipment. Coal is conveyed from the Kentucky side to the West Virginia side on aerial tram. Visited November 14, 1922. Good conditions exist.

TIERNEY MINING COMPANY, Stone, Ky.

(Mine No. 1.)

G. C. Woods, Superintendent; Geo. Foster, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, 54 inches. Employs about 75 men. Electric equipment. Visited November 15, 1922, and found in good condition.

(Mine No. 2.)

G. C. Woods, Superintendent; Geo. Foster, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, 56 inches. Employs about 75 men. Electric equipment. Visited November 15, 1922. Found in fair condition.

BAILEY FUEL COMPANY, Toler, Ky.

(Mine No. 2.)

W. J. Murphy, Superintendent; W. H. Brown, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, 48 inches. Employing about 50 men. Electric equipment. Visited November 16, 1922. Extra good conditions exist at this mine.

(Mine No. 3.)

W. J. Murphy, Superintendent; W. H. Brown, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, 48 inches. Employing about 60 men. Electric equipment. Visited November 16, 1922. Satisfactory conditions exist at this mine.

POND CREEK BI-PRODUCTS COAL COMPANY, Williamson, W. Va.

Bob Gould, Superintendent; J. W. Cunningham, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Thacker seam, 48 inches. Employs about 125 men. Electric equipment. Visited November 17, 1922. Extra good conditions exist at this mine. The Pond Creek seam is being opened up for development by these people.

BAILEY POND CREEK COAL COMPANY, Williamson, W. Virginia.

R. G. Bailey, Superintendent; Ralph Mulkey, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, 48 inches. Employing about 45 men. Electric equipment. Visited November 18, 1922. Found in fair condition except some dust on main line. This mine had an explosion on October 17, 1921, three men being killed. Also a second explosion on April 3, 1922, in which there were two men killed inside at this explosion.

IRA COAL COMPANY, Williamson, W. Va.

French Blackburn, Superintendent; B. B. Martin, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, 34 inches. Giving employment to about 15 men. This is a pick mine. Visited November 18, 1922. Conditions at this mine are not very satisfactory.

PAYNE POND CREEK COAL COMPANY, Pinson Junction, Stone, Ky.

W. L. Long, Superintendent; Lon Helm, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, 60 inches. Employs about 25 men. This mine is ventilated by a fan and gasoline engine. Coal is shot from the solid and hauled by mules. Conditions are good. Visited November 20, 1922. I find no daily record being kept.

SULLIVAN POND CREEK COAL COMPANY, Pinson Junction, Stone, Ky.

Wayne Plymal, Superintendent and Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, thickness about 54 inches. Employs about 75 men. Electric equipment. Visited November 20, 1922. Found in fair condition.

TRIANGLE COAL COMPANY, Pinson Junction, McAndrews, Kentucky.

(Mine No. 1.)

John Daugherty, Superintendent; T. N. Daugherty, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, 60 inches. Employs about 20 men. Coal is worked from the solid. Visited November 21, 1922. Conditions satisfactory.

(Mine No. 2.)

John Daugherty, Superintendent; Author Gray, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek rider seam, 38 inches. Employs 10 men. Coal is machine cut. Hauled by mules. Visited November 21, 1922. Very good conditions exist at this mine except some repairing needs to be done on stoppings for ventilation.

VICTOR COAL COMPANY, Pinson Junction, McAndrews, Ky.

Wm. Gardner, Superintendent and Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, 65 inches. Employs 14 men. Coal

is mined from the solid, hauled by mules. Ventilated with fan run by gasoline engine. Visited November 21, 1922. Found in satisfactory condition.

PIKE POND CREEK COAL COMPANY, Pinson Junction,
Williamson, W. Va.

Spot Goodloe, Superintendent; Fred Hinkle, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, 60 inches. Employing about 25 men. This mine is operated from the solid, hauled by mules. Visited November 22, 1922. Conditions are fair except stoppings need repairing to give more regular ventilation. This mine was formerly Blake Coal Mining Company.

MARIETTA COAL COMPANY, Peg, Pinson Fork, Ky.

(Mine No. 1.)

J. H. Young, Superintendent; Walter Wroten, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, 65 inches. Employs about 15 men. Coal is mined from the solid. Visited November 22, 1922. Conditions good.

(Mine No. 2.)

J. H. Young, Superintendent; Walter Wroten, Mine Foreman.

Operating the Pond Creek seam. Employing about 35 men. Coal is mined from the solid and hauled by mules. Visited November 22, 1922. Conditions good.

POND CREEK COAL COMPANY, McVeigh, Ky.

(Mine No. 7.)

G. W. Hogan, Superintendent, H. Cains, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, 58 inches. Employing about 130 men. Electric equipment. Visited November 23, 1922. Found in good condition.

(Mine No. 6.)

G. W. Hogan, Superintendent; H. W. Tillie, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, 58 inches. Employing about 100 men. Electric equipment. Visited November 23, 1922. Found in good condition.

(Mine No. 5.)

G. E. Shelor, Superintendent; C. H. Nowlin, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, 58 inches. Employing about 90 men. Electric equipment. Visited November 24, 1922. Satisfactory conditions exist at this mine.

(Mine No. 8.)

G. E. Shelor, Superintendent; H. S. Wentz, mine Foreman.

Located on Williamson Pond Creek Railway. Operating the Pond Creek seam, 60 inches. Employing 75 men. Electric equipment. Visited November 25, 1922. Found in good condition.

(Mine No. 4.)

G. E. Shelor, Superintendent; William Eads, Mine Foreman.

Located on Williamson Pond Creek Railway. Operating the Pond Creek seam, 66 inches. Employs about 75 men. Electric equipment. Visited November 25, 1922. Found in good condition.

(Mine No. 3.)

G. E. Shelor, Superintendent; Joe Helm, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, 65 inches. Employing about 125 men. Electric equipment. Visited November 27, 1922. Found in good condition.

(Mine No. 1.)

Joe Madison, Superintendent; Charlie Duncan, Mine Foreman.

Located on the Williamson Pond Creek Railway, at Hardy, Ky. Operating the Pond Creek seam, 50 inches. Employs about 85 men. Electric equipment. Visited December 1, 1922. Found in fair condition. The above Pond Creek mine averages about two days per week run.

(Mine No. 2.)

Joe Madison, Superintendent; J. C. Murray, Mine Foreman.

Located on Williamson Pond Creek Railway, at Hardy, Ky. Operating the Pond Creek seam, 52 inches. Employing about 125 men. Electric equipment. Visited December 1, 1922. Found in good condition. This mine has a contract running every day. The Pond Creek Coal Company since my visit, I understand, has sold out to Henry Ford. As yet I have not learned the name which they are to be operated under.

SUDDUTH FUEL COMPANY, Stone, Ky.

J. H. Basham, Superintendent; Fred Bevins, Mine Foreman.

Located on Williamson Pond Creek Railway. Operating Pond Creek seam, 48 inches. Employing about 100 men. Electric equipment. Visited November 27, 1922. Fairly good conditions exist at this mine. This mine was blocked off the day visit was made on account of shortage of cars.

ORINOCO MINING COMPANY, Orinoco, Ky.

(Mine No. 2.)

J. H. Wagner, Superintendent; Rich Browning, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, 54 inches. Gives employment to 50 men. Electric equipment. Visited November 28, 1922. Conditions at this mine are very good.

(Mine No. 3.)

J. H. Wagner, Superintendent; Rich Browning, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, 60 inches. Employs about 55 men. Electric equipment. Visited November 28, 1922. Satisfactory conditions exist at this mine.

Orinoco Mine No. 1 abandoned.

MUD LICK COAL COMPANY, Sharondale, Ky.

P. S. York, Superintendent and Mine Foreman.

Located on the Williamson Pond Creek Railway. Operat-

ing the Pond Creek seam, 54 inches. Employing about 27 men. Coal is mined from the solid. Visited November 29, 1922. Conditions very good except ventilation at the main face.

SHARONDALE COAL & COKE COMPANY, Sharondale, Ky.

J. L. Tierney, Superintendent; S. L. Bowling, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam. Employing about 70 men. Electric equipment. Visited November 29, 1922. Fair conditions exist at this mine.

KINGSTON POCAHONTAS COAL COMPANY, Belfrey, Ep, Kentucky.

(Tolland Mine No. 1.)

E. W. Price, Superintendent; Matt Cooper, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, 54 inches. Employing 75 men. Electric equipment. Visited November 30, 1922. Found in fair condition.

(Mine No. 9.)

E. W. Price, Superintendent; Matt Cooper, Mine Foreman.

Located on the Williamson Pond Creek Railway. Operating the Pond Creek seam, 54 inches. Employing about 30 men. Electric equipment. Visited November 30, 1922. Satisfactory conditions exist at this mine. This formerly was the Solvay Collieries Company, changed to Kingston Pocahontas Coal Company.

CARRY ON COAL COMPANY, Toler, Ky.

F. M. Hensley, Superintendent; Fred Pye, Mine Foreman.

Located on Williamson Pond Creek Railway. Operating the Pond Creek seam, 54 inches. Employing about 30 men. Electric equipment. Visited December 1, 1922. Found in fair condition.

BANNER POND CREEK COAL COMPANY, Belfrey, Ep, Ky.

D. J. Rusmisell, Superintendent and Mine Foreman.

Located on Williamson Pond Creek Railway. Operating the Pond Creek seam, 54 inches. Employing about ten men.

Running about two days per week. Coal is mined from the solid. Visited December 1, 1922. Very good conditions exist at this mine.

McKINNEY STEEL COMPANY, Greasy Creek, Ky.
(Mine No. 1.)

N. H. Raiber, Superintendent; Farmer Sizemore, Mine Foreman.

Located on the C. & O. Railway. Operating the lower Elkhorn seam, 44 inches. Employing about 85 men. Electric equipment. Visited December 27, 1922. Found in fair condition. This mine had been closed down since April 1, 1920. Just starting up, running every day; storing their coal.

(Mine No. 3.)

N. H. Raiber, Superintendent; R. D. Childers, Mine Foreman.

Located on the C. & O. Railway. Operating the upper Elkhorn seam, 42 inches. Employing about 160 men. Electric equipment. Visited December 27, 1922. Found in fair condition.

J. E. POLLEY COAL COMPANY, Millard, Ky.
(Mine No. 1.)

W. B. May, Superintendent; Jim Fyfe, Mine Foreman.

Located on the C. & O. Railway. Operating the lower Elkhorn seam, 40 inches. Working about 30 men. Visited December 28, 1922. Found in fair condition.

(Mine No. 2.)

W. B. May, Superintendent; James Fyfe, Mine Foreman.

Located on the C. & O. Railway. Operating the upper Elkhorn seam, 54 inches. Working 15 men. The above mine's coal is shot from the solid. Visited December 28, 1922. Found in fair condition, except no daily record being kept.

J. B. ELKHORN COAL COMPANY, Douglas, Hildason, Ky.
(Mine No. 2.)

Geo. A. Clutts, Superintendent; J. N. Woolum, Mine Foreman.

Located on the S. V. & E. Railway. Operating the lower Elkhorn seam, 54 inches. Employing about 65 men. Electric equipment. Visited January 9, 1922. Found in fair condition.

ALMA THACKER FUEL COMPANY.

When visit was made April 3, 1922, was closed down temporarily, therefore no report was made. Also in November this mine was not visited for reason of sickness.

UPPER ELK COAL COMPANY, Argo, Ky.
Was not visited for reasons above stated.

R. H. ELKHORN COAL COMPANY, Shelbyana, Ky.
Has been out of existence for two years. Now Excelsior Elkhorn Coal Company.

WADE COAL COMPANY, Williamson, West Va.
Out of existence.

ELKHORN COLEMAN COAL COMPANY, Millard, Ky.
This is a new mine just starting up.