

State inspector of coal mines reports

Section 105, Pages 3121 - 3150

These reports of the Kansas State Mine Inspector mostly concern coal mining, though by 1929 the scope of the reports broadens to include metal mines. The content of individual reports will vary. The reports address mining laws and mining districts; industry production and earnings; fatal and non-fatal accidents; accident investigations and transcripts of oral interviews; labor strikes; mine locations; mining companies and operators; and proceedings of mining conventions. The reports document the political, economic, social, and environmental impacts of more than seventy years of mining in southeastern Kansas.

Creator: Kansas. Inspector of Coal Mines

Date: Between 1884 and 1956

Callnumber: SP 622 K13

KSHS Identifier: DaRT ID: 210191

Item Identifier: 210191

www.kansasmemory.org/item/210191

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PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR STRIP MINES OF CRAWFORD COUNTY, FOR THE
YEAR ENDING DECEMBER 31, 1921.

Office No.	NAME OF COMPANY.	Mine number or name.	Production.			
			Number of tons of lump coal.	Number of tons of nut or slack coal.	Number of tons of mine run coal.	Total number of tons of coal produced.
1	Acme Coal and Mining Co.		2,638	9,638	566	12,842
2	Bennett Coal Co.				300	300
3	Carbon Coal Co.	3			6,338	6,338
4	Dean Coal and Mining Co.		7,406	5,494	401	13,301
5	Greary Coal Co.				80	80
6	Harmony Coal Co.				2,900	2,900
7	Litchfield Coal Co.		9,040.50	14,516.70	33,082.95	56,640.15
8	Moughini Coal Co.				25,148	25,148
9	Midwest Coal Co.		207	181	85	473
10	Patton Coal and Mining Co.		266.33		24,040.48	24,306.81
11	Reliance Coal and Mining Co.		2,824	4,977	2,348	10,049
12	Ralph Coal Co.				200	200
13	Stephenson Coal Co.				12,000	12,000
14	Witter Coal Co.				50	50
	Totals		22,381.83	34,806.70	105,439.43	162,627.96

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Count of Industrial Relations.

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PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR STRIP MINES OF CRAWFORD COUNTY—Concluded.

Office No.	Total number of men employed.	Average number of days worked.	Explosives.		Accidents.		Remarks.
			Number of 25-pound kegs of powder used.	Number of pounds of dynamite used.	Number of fatal accidents.	Number of non-fatal accidents.	
1	30	75	317	1,284	New mine; began operating September, 1921.
2	3	60	21	.....	.....	.....
3	31	26	56	950	.....	.....
4	30	50	155	283	New mine; began operating September, 1921.
5	3	60	.....	.....	.....	.....
6	5	120	46	160	.....	.....
7	42	154½	734	3,500	1	New mine; began operating October 20, 1921.
8	28	191	760	2,050	.....	1
9	13	60	15	150	.....	.....
10	37	110	270	5,650	New mine; began operating September, 1921.
11	40	50	100	.....	.....	.....
12	4	50	6	100	.....	.....
13	6	200	100	New mine; began operating November, 1921.
14	3	30	
Totals	275	123	2,480	14,227	2	

Mine Inspection Department.

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PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR STRIP MINES OF CHEROKEE COUNTY, FOR THE
YEAR ENDING DECEMBER 31, 1921.

Office No.	NAME OF COMPANY.	Mine number or name.	Production.			
			Number of tons of lump coal.	Number of tons of nut or slack coal.	Number of tons of mine run coal.	Total number of tons of coal produced.
1	Boore Coal Co.				1,000	1,000
2	Carbon Coal Co.	2			46,789	46,789
3	Carbon Coal Co.	4			497	497
4	Crowe Coal and Mining Co.	22	7,047.25	13,845.45	3,262.05	24,154.75
5	Crowe Coal & Mining Co.	23	19,142.75	11,216.85	28,051.25	58,410.85
6	Crabb Coal Co.			534.70	85.75	620.45
7	Dorsey Coal Co.		350		50	400
8	Fleming Coal Co.		2,965.55	12,103.55	600.95	15,670.05
9	Huntsinger & Smith Coal Co.				2,400	2,400
10	Huckleberry Coal Co.				1,200	1,200
11	Italiani Coal Co.				4,705.8	4,705.8
12	Mason Coal Co.			278		278
13	Pallett Coal Co.			250	100	350
14	Robinson-Patterson Coal Co.				29,188	29,188
15	Southern Kansas Coal Co.		249	1,334	1,841	3,424
16	Superior Coal and Mining Co.	1	935.60	1,722.90	222.65	2,881.15
17	Superior Coal and Mining Co.	2	5,676.20	9,173.10	376.50	15,225.80
	Totals		36,366.35	50,458.55	120,369.95	207,194.85

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PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR STRIP MINES OF CHEROKEE COUNTY—CONCLUDED.

Office No.	Total number of men employed.	Average number of days worked.	Explosives.		Accidents.		Remarks.
			Number of 25-pound kegs of powder used.	Number of pounds of dynamite used.	Number of fatal accidents.	Number of non-fatal accidents.	
1	5	135	20	25			
2	29	149	473	5,050			
3	18	3	18	150			
4	20	44 $\frac{3}{4}$	224	1,075			
5	30	81 $\frac{1}{4}$	512	3,581			
6	6	50	15	20			Began operating September, 1921.
7	10	63	12	100			Began operating October 10, 1921.
8	26	45 $\frac{1}{2}$	200	543			
9	10	230	40	50			
10	5	130	25	50			
11	28	30		1,200	1		Ceased operating March 31, 1921.
12	3	25	12	25			New mine; began operating October, 1921.
13	3	17 $\frac{1}{2}$	7	50			
14	25	124	383	3,760			
15	17	50	30				
16	19	94 $\frac{1}{2}$	35	150			Abandoned January, 1921.
17	29	37 $\frac{3}{4}$	210	450	1		New mine; began operating May, 1921.
Totals	283	91	2,186	16,269	1	1	

Mine Inspection Department.



PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED AND ACCIDENTS FOR OSAGE COUNTY SHAFT MINES FOR THE YEAR
ENDING DECEMBER 31, 1921.

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Office No.	NAME OF COMPANY.	Mine number or name.	Production.			
			Number of tons of lump coal.	Number of tons of nut or slack coal.	Number of tons of mine run coal.	Total number of tons of coal produced.
1	Black Diamond Coal Co.				102	102
2	Bell Coal Co.		3,400			3,400
3	Cahill Coal Co.			1,204		1,204
4	Carlson Coal Co.	6	2,606			2,606
5	Carlson Coal Co.	7	1,168			1,168
6	Carlson Coal Co.	30	1,733.75			1,733.75
7	Cable & Kitterell Coal Co.				100	100
8	Central Coal and Mining Co.		5,553			5,553
9	Coughlin Coal Co.		3,799			3,799
10	Elliott Coal Co.			9,169		9,169
11	Granstrom Coal Co.			922		922
12	Handy Coal Co.		2,300			2,300
13	Jackson-Walker Coal and Mining Co.	14			808.3	808.3
14	Labor Exchange Coal Co. (Scranton)		4,081			4,081
15	Labor Exchange Coal Association (Osage)		7,307			7,307
16	Midway Coal and Mining Co.			1,216		1,216
17	Miller Coal Co.		5,885			5,885
18	Miners Fuel Co.		5,207			5,207
19	O'Neil Coal Co.		250		1,768	2,018
20	Moore & Nelson Coal Co.		321			321
21	Segelquist Coal Co.		729.3			729.3
22	Standard Coal Co.		3,650			3,650
23	Strunk Coal Co.			1,849		1,849
24	Tribble, Gilchrist & Tindell Coal Co.			3,229		3,229
25	Western Fuel Co.			1,516		1,516
26	Washington Coal Co., Jas.			702		702
	Totals		48,030.05		22,582.30	70,612.35

Count of Industrial Relations.



PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED AND ACCIDENTS FOR OSAGE COUNTY SHAFT MINES, FOR THE YEAR
ENDING DECEMBER 31, 1921—Continued.

Office No.	Employees.					Average number of days worked.	Explosives.		Accidents.		Remarks.
	Miners.	Under- ground day men.	Total under- ground.	Top men.	Total number of men em- ployed.		Number of 25-pound kegs of powder used.	Number of pounds of dynamite used.	Number of fatal accidents.	Number of non-fatal accidents.	
1	4	0	4	0	4	47		12			Began operating October, 1921.
2	15	3	18	2	20	60		250			Began operating July 1, 1921.
3	9	6	15	1	16	55		120			
4	20	8	28	2	30	78					
5	33	15	48	3	51	17					
6	27	4	31	1	32	60					
7	3		3	1	4	32		10			
8	35	5	40	1	41	159		600			Ceased operating February 12, 1921.
9	18	2	20	1	21	142		5			
10	18	7	25	2	27	171					
11	3	1	4		4	242					
12	10	1	11		12	65		100			New mine; began operating August 8, 1921.
13	12	2	14	1	15	51		110			
14	18	1	19	1	20	185		300			
15	37	8	45	3	48	145					
16	11	11	22	2	24	59					Abandoned March 31, 1921.
17	20	2	22	2	24	146		200			
18	17	10	27	3	30	170					
19	12	2	14	1	15	180		310			
20	8	1	9	1	10	53					New mine; began operating October, 1921.
21	3		3		3	133		42			
22	15	2	17	1	18	124					
23	8	2	10	2	12	190		375			
24	20	3	23	1	24	172					
25	18	7	25	1	26	52		350			
26	12	1	13	1	14	67		120			
Totals.	406	104	510	35	545	136		2,904			

Mine Inspection Department.



PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED AND ACCIDENTS FOR LEAVENWORTH COUNTY SHAFT MINES, FOR THE
YEAR ENDING DECEMBER 31, 1921.

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Office No.	NAME OF COMPANY.	Mine number or name.	Production.			
			Number of tons of lump coal.	Number of tons of nut or slack coal.	Number of tons of mine run coal.	Total number of tons of coal produced.
1	Carr Coal Mining and Manufacturing Co.		21,552	7,060	9,340	37,952
2	Home Riverside Coal Mines Co.	1			57,605	57,605
3	Home Riverside Coal Mines Co.	2			27,030	27,030
4	Kansas State Penitentiary Mine.		38,836	16,775	6,110	61,721
Totals:			60,388	23,835	100,085	184,308

PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED AND ACCIDENTS FOR LEAVENWORTH COUNTY SHAFT MINES, FOR THE
YEAR ENDING DECEMBER 31, 1921—CONCLUDED.

Office No.	* Employees.					Average number of days worked.	Explosives.		Accidents.		Remarks.
	Miners.	Under-ground day men.	Total under-ground.	Top men.	Total number of men employed.		Number of 25-pound kegs of powder used.	Number of pounds of dynamite used.	Number of fatal accidents.	Number of non-fatal accidents.	
1	103	25	128	21	149	177	8	518			
2	82	44	126	12	138	229		790		2	
3	86	21	107	16	123	130		386		1	
4	145	86	231	29	260	307		800	1	2	
Totals	416	176	592	78	670	211	8	2,494	1	5	

Count of Industrial Relations.



PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED AND ACCIDENTS FOR SHAFT, SLOPE AND DRIFT MINES OF LINN COUNTY.
FOR THE YEAR ENDING DECEMBER 31, 1921.

Office No.	NAME OF COMPANY.	Mine number or name.	Production.			
			Number of tons of lump coal.	Number of tons of nut or slack coal.	Number of tons of mine run coal.	Total number of tons of coal produced.
1	American Eagle Coal Co.		4,505			4,505
2	Black Diamond Coal Co.				2,939	2,939
3	Douglas Coal Co.				2,400	2,400
4	Demare Coal Co.				585	585
5	East Side Coal Co.				1,000	1,000
6	Green Valley Mining Co.				5,940	5,940
7	Gremmell Coal Co.				1,800	1,800
8	Kaw Valley Coal and Mining Co.				680	680
9	King Coal Co.				1,697	1,697
10	Kinser Coal Co.					4,167.5
11	Linn County Coal Co.		2,781	1,386		4,167.5
12	Pittsburg-Pleasanton Coal Co.		118			118
13	Pleasanton Coal and Mining Co.		5,438	863		6,301
14	Stanton Coal Co.				1,616.8	1,616.8
15	Walshour Coal and Mining Co.				6,527.95	6,527.95
	Totals.		13,042.5	2,249	23,285.75	38,577.25

Mine Inspection Department.



PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED AND ACCIDENTS FOR SHAFT, SLOPE AND DRIFT MINES OF LINN COUNTY, FOR THE YEAR ENDING DECEMBER 31, 1921—CONCLUDED.

Office No.	Employees.					Average number of days worked.	Explosives.		Accidents.		Remarks.
	Miners.	Under-ground day men.	Total under-ground.	Top men.	Total number of men em- ployed.		Number of 25-pound kegs of powder used.	Number of pounds of dynamite used.	Number of fatal accidents.	Number of non-fatal accidents.	
1	25	4	29	5	34	142	6				Estimated; ceased operating August 1, 1921.
2	5		5	1	6	195	234				
3											New mine; sunk during 1921; no coal produced. Estimated.
4	3	1	4		4	200	145				
5	3		3	1	4	145	75				New mine; began operating September, 1921.
6	7	1	8	4	12	45	75	2,000			
7	9	1	10	1	11	114	394	550			Succeeded by A. C. King Coal Co., October, 1921. Successor to Kaw Valley Coal and Mining Co., October, 1921.
8	7	1	8	2	10	130	400	200			
9	7	1	8	2	10	60	100	50			
10	3	1	4	1	5	155	192				
11	23	9	32	5	37	156	207	144	1		Ceased operating July 1, 1921.
12	4	4	8	2	6	45	25				
13	11	9	20	3	23	199	49	200			
14	3	1	4		4	120	162	5			
15	9	2	11	2	13	194	372	355			
Totals.	115	35	150	29	179	166	2,426	3,504			

Court of Industrial Relations.



PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR SHAFT, SLOPE AND DRIFT MINES OF BOURBON COUNTY, FOR THE YEAR ENDING DECEMBER 31, 1921.

Office No.	NAME OF COMPANY.	Mine number or name.	Production.			
			Number of tons of lump coal.	Number of tons of nut or slack coal.	Number of tons of mine run coal.	Total number of tons of coal produced.
1	Black Diamond Coal Co.	1			26,500	26,500
2	Brawford Coal Co. Bert.					
3	Smallwood Coal Co.					
4	Trost Coal Co.				10,000	10,000
5	Ward Coal Co.					
6	Webb Coal Co.					
7	Wood Coal Co.					
	Totals.				36,500	36,500

PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR SHAFT, SLOPE, AND DRIFT MINES OF BOURBON COUNTY, FOR THE YEAR ENDING DECEMBER 31, 1921—CONCLUDED.

Office No.	Employees.						Explosives.		Accidents.		Remarks.
	Miners.	Under-ground day men.	Total under-ground.	Top men.	Total number of men employed.	Average number of days worked.	Number of 25-pound kegs of powder used.	Number of pounds of dynamite used.	Number of fatal accidents.	Number of non-fatal accidents.	
1	7	8	15	3	18	264					
2											
3											
4	20	5	25	5	30	175					Estimated.
5											
6											
7											
Totals.	27	13	40	8	48	219					

Mine Inspection Department.

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PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR NEOSHO COUNTY DRIFT MINES, FOR THE YEAR
ENDING DECEMBER 31, 1921.

Office No.	NAME OF COMPANY.	Mine number or name.	Production.			
			Number of tons of lump coal.	Number of tons of nut or slack coal.	Number of tons of mine run coal.	Total number of tons of coal produced.
1	Blackburn Coal Co.				300	300
2	Grippin Coal Co.				750	750
3	Hamlin Coal Co.				700	700
4	Lindsey Coal Co.				450	450
5	Nash Coal Co.				300	300
6	Russell Coal Co.				750	750
7	Russell & Frost Coal Co.				450	450
Totals					3,700	3,700

PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR NEOSHO COUNTY DRIFT MINES, FOR THE YEAR
ENDING DECEMBER 31, 1921—Continued.

Office No.	Employees.					Average number of days worked.	Explosives.		Accidents.		Remarks.
	Miners.	Under-ground day men.	Total under-ground.	Top men.	Total number of men employed.		Number of 25-pound kegs of powder used.	Number of pounds of dynamite used.	Number of fatal accidents.	Number of non-fatal accidents.	
1	3		3		3	150					Estimated.
2	5		5		5	150					Estimated.
3	4		4		4	150					Estimated.
4	3		3		3	150					Estimated.
5	2		2		2	150					Estimated.
6	5		5		5	150					Estimated.
7	3		3		3	150					Estimated.
Totals.	25		25		25	150					



PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR BOURBON COUNTY STRIP MINES, FOR THE YEAR
ENDING DECEMBER 31, 1921.

Office No.	NAME OF COMPANY.	Mine number or name.	Production.			
			Number of tons of lump coal.	Number of tons of nut or slack coal.	Number of tons of mine run coal.	Total number of tons of coal produced.
1	Fort Scott Hydraulic Cement Co.				100	100
2	Roy Millner Coal Co.				1,200	1,200
	Totals				1,300	1,300

PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR BOURBON COUNTY STRIP MINES, FOR THE YEAR
ENDING DECEMBER 31, 1921—Continued.

Office No.	Employees.					Average number of days worked.	Explosives.		Accidents.		Remarks.
	Miners.	Under-ground day men.	Total under-ground.	Top men.	Total number of men employed.		Number of 25-pound kegs of powder used.	Number of pounds of dynamite used.	Number of fatal accidents.	Number of non-fatal accidents.	
1					4	60					New mine, began operating October, 1921.
2					10	60	6	200			
Totals					14	120	6	200			

Mine Inspection Department.

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COAL PRODUCTION, EMPLOYEES, AVERAGE DAYS WORKED, EXPLOSIVES, ACCIDENTS, AVERAGE DEPTH OF MINE AND HEIGHT OF COAL BY COUNTIES FOR KANSAS, FOR THE YEAR ENDING DECEMBER 31, 1921.

COUNTY.	Total coal production, classified.					Total employees, classified.					
	Tons of lump coal.	Tons of nut or slack coal.	Tons of mine-run coal.	Total tons produced.	Percentage of total production of state.	Miners.	Under-ground day men.	Total under-ground.	Top day men.	Total employees.	Percentage of total employees of state.
Crawford (deep mines).....	662,004.60	936,877.40	1,171,116.67	2,769,998.67	68.76	5,008	1,403	6,411	606	7,017	67.37
Crawford (strip mines).....	22,381.83	34,806.70	105,439.43	162,627.96	4.04				275	275	2.64
Cherokee (deep mines).....	92,736.14	47,022.09	263,986.91	403,805.14	10.03	725	247	972	163	1,135	10.90
Cherokee (strip mines).....	36,366.35	50,458.55	120,369.95	207,194.85	5.12				283	283	2.71
Leavenworth (deep mines)...	60,388	23,835	100,085	184,308	4.58	416	176	592	78	670	6.43
Osage (deep mines).....	48,630.05		22,582.30	70,612.35	1.76	406	104	510	35	545	5.23
Linn (deep mines).....	13,042.50	2,249	23,285.73	38,577.23	.96	115	35	150	29	179	1.72
Bourbon (deep mines).....			36,500	36,500	.91	27	13	40	8	48	.46
Bourbon (strip mines).....			1,309	1,309	.01				14	14	.13
Neosho (deep mines).....			3,700	3,700	.10	25		25		25	.24
Miscellaneous counties.....			150,500	150,000	3.72	175	25	200	25	225	2.16
Totals for state.....	935,009.47	1,095,248.74	1,998,366.01	4,028,624.22	100	6,897	2,003	8,900	1,516	10,416	100



COAL PRODUCTION, EMPLOYEES, AVERAGE DAYS WORKED, EXPLOSIVES, ACCIDENTS, AVERAGE DEPTH OF MINE AND HEIGHT OF COAL BY COUNTIES
FOR KANSAS, FOR THE YEAR ENDING DECEMBER 31, 1921—CONCLUDED.

COUNTY.	Average number of days worked.	Total explosives used.				Total number of accidents.						Average number of feet of overburden.	Average height of coal.	
		Powder.		Dynamite.		Fatal.			Non-fatal.				Feet.	Inches.
		Number of 25 pound kegs.	Percentage of total in state.	Number of pounds.	Percentage of total in state.	No.	Percentage of total.	Tons of coal produced per accident.	No.	Percentage of total.	Tons of coal produced per accident.			
Crawford (deep mines)	146	182,307	82.158	1,820,685	88.98	10	71.43	276,999.87	704	95.13	3,934.65	81	3	4
Crawford (strip mines)	123	2,480	1.117	14,277	.70	2			2	.28	81,313.98	2	2	2
Cherokee (deep mines)	120	30,489	13.739	179,895	8.79	1	7.14	403,805.14	28	3.78	14,421.61	43	3	6
Cherokee (strip mines)	91	2,186	.985	15,232	.75	1	7.14	207,194.85	1	.14	207,194.85	2	2	11
Leavenworth (deep mines)	211	8	.003	2,494	.12	1	7.14	184,308	5	.67	36,861	715	1	10
Osage (deep mines)	136			2,904	.14							80	1	5
Lin (deep mines)	166	2,426	1.093	3,504	.17	1	7.14	38,577.25				81	2	10
Bourbon (deep mines)	219											21	1	8
Bourbon (strip mines)	150	6	.002	200	.01							11	1	5
Neosho (deep mines)	150											11	1	2
Miscellaneous counties	150	2,000	.901	6,000	.30									
Totals	151	221,842	100	2,046,178	100	11	100	287,758.87	740	100	5,984.82	132	2	3

Mine Inspection Department.



STATISTICS BY DISTRICTS FOR THE YEAR ENDING DECEMBER 31, 1921.

District.	Tons of coal produced.	Per-centage of total pro-duction of state.	Total number of em-ployees.	Per-centage of total em-ployees of state.	Accidents.									
					Fatal.					Non-fatal.				
					No.	Percentage of total accidents of state.	Tons of coal produced per accident.	Number of accidents per thousand em-employees.	Number of accidents per million tons of coal mined.	No.	Percentage of total accidents of state.	Tons of coal produced per accident.	Number of accidents per thousand em-employees.	Number of accidents per million tons of coal mined.
Pittsburg.....	3,543,626.62	87.95	8,710	83.6	12	86	295,302.21	1.37	3.22	735	99.3	4,821.26	84.38	209.04
Leavenworth.....	184,308	4.58	670	6.4	1	7	184,308	.67	5.42	5	.7	36,861	7.46	27.14
Osage.....	70,612.35	1.76	545	5.2	1	7	230,077.25	.491	4.34					
All other districts.....	230,077.25	5.71	491	4.8										
Totals.....	4,028,624.22	100	10,416	100	14	100	287,758.87	1.34	3.72	740	100	5,084.62	71.01	183.68

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Coal of Industrial Relations.



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BIG FIVE OF KANSAS FOR 1921—MINES PRODUCING LARGEST TONNAGE.

Rank.	NAME OF COMPANY.	Mine number or name.	Total coal production, classified.				Total employees, classified.				
			Tons of lump coal.	Tons of nut or slack coal.	Tons of mine-run coal.	Total tons produced.	Miners.	Under-ground day men.	Total under-ground.	Top day men.	Total employees.
1.....	Jackson-Walker Coal and Mining Co.....	17	.....	.....	127,582.5	127,582.5	143	35	178	15	193
2.....	Central Coal and Coke Co.....	51	25,027	83,679	13,028	121,804	212	64	276	12	288
3.....	Doubleday Coal Co.....	1	.....	.....	112,349.99	112,349.99	168	27	195	9	204
4.....	Western Coal and Mining Co.....	15	56,484.77	32,950.91	31,116.95	110,546.63	140	38	179	10	189
5.....	Western Coal and Mining Co.....	20	32,642.40	24,438.65	38,555.95	105,637	179	37	216	10	225

BIG FIVE OF KANSAS—MINES PRODUCING LARGEST TONNAGE—CONCLUDED.

Rank.	NAME OF COMPANY.	Total number of days worked.	Total explosives used.		Number of accidents.		Percentage of total production of state.	Percentage of total employees of state.	Name of mine foreman.
			Powder.	Dynamite.					
			Number 25-lb. kegs.	Number of pounds.	Fatal.	Non-fatal.			
1.....	Jackson-Walker Coal and Mining Co.....	212	6,771	104,454	.....	31	3.16	1.85	James Murphy.
2.....	Central Coal and Coke Co.....	13958	3,233	150,260	.....	60	3.02	2.76	Robert Murray.
3.....	Doubleday Coal Co.....	17384	8,773	65,656	.....	51	2.78	1.96	Chas. Spenceberger.
4.....	Western Coal and Mining Co.....	12512	6,062	37,120	.....	51	2.74	1.81	Frank Price.
5.....	Western Coal and Mining Co.....	11734	6,078	80,213	.....	52	2.59	2.17	Len Shoup.

It will be noted from the above that the five largest mines in the state of Kansas, during the year 1921 produced 11.55 per cent of the total production of the state with only one fatal accident.

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REPORT OF FATAL ACCIDENTS DURING THE YEAR ENDING DECEMBER 31, 1921.

No.	NAME OF DECEASED.	Time of day accident occurred.		Day of week accident occurred.	Date of accident.	Date of death.	Date of investi- gation.	Investigated by—	County in which accident occurred.
		a. m.	p. m.						
1	Horton, Sam	7:30		Monday	Jan. 17	Jan. 17	Jan. 21	Dunn	Leavenworth.
2	Humble, John, Jr	12:15		Saturday	Feb. 12	Feb. 12	Feb. 12	Sherwood	Crawford.
3	Braga, Gus	11:30		Saturday	Mar. 12	Mar. 12	Mar. 12	Sherwood, Keegan	Cherokee.
4	Boni, John	11:30		Tuesday	Mar. 29	Mar. 29	Mar. 29	Sherwood, Keegan	Crawford.
5	Winstach, John	7:00		Friday	Apr. 22	Apr. 27	Apr. 23	Glennon	Crawford.
6	Spicer, Antoni	Unknown		Thursday	Apr. 28	Apr. 28	Apr. 29	Sherwood, Glennon, Wilcox, Keegan	Crawford.
7	Fisher, John	5:07		Saturday	May 21	May 21	May 23	Sherwood, Gilday, Farrimond, Hislop,	Crawford.
8	Lautenschlager, Chas	5:07		Saturday	May 21	May 21	May 28	Keegan	Crawford.
9	Morehead, Ira	8:45		Sunday	June 12	June 12	June 9	Sherwood, White, Keegan	Cherokee.
10	Ligon, Thomas	1:25		Thursday	July 21	July 21	July 21	Gilday, Keegan	Crawford.
11	Tyan, Joe	10:30		Saturday	Sept. 3	Sept. 7	Sept. 3	Glennon	Crawford.
12	Pignate, Jerry	1:15		Thursday	Sept. 8	Sept. 8	Sept. 9	Sherwood, Keegan	Crawford.
13	Blake, Earl	8:10		Monday	Sept. 12	Sept. 12	Sept. 11	Sherwood	Linn.
14	Whistler, Isaac R	10:15		Thursday	Sept. 15	Sept. 15	Sept. 15	Glennon, Keegan	Crawford.

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REPORT OF FATAL ACCIDENTS—CONCLUDED.

No.	NAME OF EMPLOYER.	Mine number or name.	Cause of accident.							Occupation of deceased at time of accident.
			Underground.						Surface.	
			Fall of rock.					Explosion.	Electrocution.	
			On road-way.	In cross-cut.	At face of room.	In room-turning.	Pillar.			
1	Kansas Penitentiary.....		1							Roadman.
2	Katy Coal Co.....	2		1						Day man.
3	Mineral Coal Co.....	1							1	Miner.
4	Crowe Coal Co.....	14				1				Miner.
5	Jackson-Walker Coal and Mining Co.....	16						1		Shot firer.
6	Jackson-Walker Coal and Mining Co.....	16						1		Shot firer.
7	Dittman-Wachter Coal Co.....	2						1		Shot firer.
8	Dittman-Wachter Coal Co.....	2						1		Shot firer.
9	Superior Coal and Mining Co.....	2								Pumpman.
10	Western Coal and Mining Co.....	18								Driver.
11	Central Coal and Coke Co.....	51	1		1					Miner.
12	Arma Coal Co.....	8					1			Miner.
13	Linn County Coal Co.....	1				1				Miner.
14	Western Coal and Mining Co.....	14								Miner.
Total—14.....			2	1	2	2	1	4	1	1

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FATAL ACCIDENTS.

FOR THE YEAR ENDING DECEMBER 31, 1921.

1. (Investigated by Dunn.) SAM HORTON, a convict, working as roadman in the State Penitentiary mine at Lansing, Kan., was injured by a fall of rock on the roadway at about 7:30 a. m., January 17, 1921, and died as a result of his injuries eight and one-half hours later. The rock which fell on him fell from a distance of about 15 feet and broke into several pieces when it fell. It was estimated that all the pieces would weigh about one and one-half tons. His major injury was a broken leg, and it was the opinion of the doctor that his death was caused by the shock of this broken leg.

2. (Investigated by Sherwood.) JOHN HUMBLE, JR., company man, was killed by a fall of rock in mine No. 2 of the Katy Coal Company, at about 12:15 a. m., February 12, 1921. The accident happened in the second south straight entry off the eighth east, in a crosscut about 60 feet from the face. The rock was surrounded by a slip on three sides and a loose end for brushing on the other side. The rock was 11 feet 7 inches long, 3 feet wide and 19 inches thick. There was one prop under this rock, but it was at one end of the rock and could not hold it. Humble was sitting on a rock in the crosscut when the rock fell, killing him almost instantly. John Branstorfer, who was working with Humble on the night of the accident, and who had just left him when the rock fell, stated that he had sounded the rock just before it fell, and it sounded all right. This would be considered an unavoidable accident, and one that might have happened to anyone.

3. (Investigated by Sherwood and Keegan.) GUS BRAGA, miner, was electrocuted at the Mineral Coal Company mine, located at Mineral, Kan., on Saturday, March 12, 1921, at about 11:30 a. m. This mine is operated on a cooperative basis by fourteen miners living in Mineral, and there are no other persons working in the mine except members of the company. All their holes were drilled by an electric drill, and Braga has been doing this drilling. At the time this accident occurred Braga was drilling a hole in the right-hand side of room No. 4 in the first north back entry, which room was worked by John Bruna. After drilling this hole he asked Bruna to disconnect the wire which furnished the current to this room. The wire furnishing the current to this room had previously been connected to the main wire at a point about 20 feet outby Bruna's switch. However, it had recently been moved to a point about 15 feet farther outby, and the place where it had formerly been connected was now used as a place to furnish the current to the drill in the face of the entry. Braga had not been in Bruna's place to drill for him since this change took place until the day of the accident. Therefore, when Braga told Bruna to pull this wire loose, Bruna pulled the wire which had formerly furnished the current to his room, but which at the time of the accident furnished the current to the face of the entry, and Braga, thinking the current was off, proceeded to disconnect the contact block on the drill. There are three wires leading to this contact block, and they are connected to three metal contacts protruding from the block. In pulling the block apart his hand came in contact with this metal, and when Bruna got to him he had the block in his hand. Bruna attempted to pull him loose and was quite severely shocked himself. He then called for help and ran out on the entry and found the right wire and pulled it loose, but it was too late, as Braga was nearly dead by that time. According to Bruna and Sam Saia, who worked in the next room outby and who came to Braga's aid as soon as Bruna called for help, Braga moved around a little and his heart was apparently beating when they reached him, but he was unable to speak. Undoubtedly, had either of these men understood first aid they could have revived him by applying arti-

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ficial respiration immediately, but by the time the doctor arrived his heart action had stopped and there was no chance of reviving him. I recommended that those blocks be insulated or covered with rubber, so that it would not be necessary for the person using the drill to touch the metal contacts protruding from the block. Mr. Braga was a native of the Austrian Tyrol, about forty-five years of age. He was a widower, and is survived by three children, two boys and one girl.

4. (Investigated by Sherwood and Keegan.) JOHN BONI, a miner, was killed by a fall of rock in mine No. 14 of the Crowe Coal Company, Tuesday, March 29, 1921, at about 11:30 a.m. The accident happened in the last room turn in the fourth north straight entry off the seventh west on the north side of the mine. The rock was 13 feet long on the outside, 9 feet 10 inches long on the inside, 4 feet 6 inches wide in the middle, 3 feet 4 inches wide at the outby end, 2 feet 8 inches wide at the inby end, and 22 inches thick, weighing about 6 tons. The rock broke in two pieces when it fell. Boni was caught under the middle of the rock. His shovel and sledge were still under the rock. There was a pool of blood under the rock, where, it was stated, his face and head had been cut on his shovel. The room was just being turned, and measured 9 feet from the rail to the straight face, and 13 feet 6 inches from the entry rail to the inside of his cutting in the face. Apparently he had been tamping a shot in the right-hand side of his room neck, and had left his shot to load a car, as his tamping bar was in the hole and he had a car about half loaded. There was a pile of twelve props and several cap pieces in the entry just inby his room neck. There were also seven props of various lengths under the rock, and several cap pieces. There was a slip running along the north end of this rock. According to the statement of the man driving the straight entry, there were no props under the rock before it fell. In the opinion of those present at the investigation, this was an avoidable accident and could have been prevented had the proper care and precaution been taken to prop this place, as this rock must have sounded loose, and had it been propped it would very likely have given him warning. In turning rooms, props should be set just as soon as enough coal has been taken out to set props. Mr. Boni was an Italian, thirty-nine years of age, and is survived by a wife and one child. He lived on a farm just north of mine No. 14 and had worked at this mine just four working days.

5. (Investigated by Glennon.) JOHN WINEBACH, shot-firer, was injured by a windy shot in mine No. 16 of the Jackson-Walker Coal and Mining Company, on Friday, April 22, 1921, at about 7 p.m., and died as a result of his injuries Wednesday, April 27, 1921. See details under the heading of "Explosions."

6. (Investigated by Sherwood, Glennon, Wilcox and Keegan.) ANTONE SPICER, shot-firer, killed by explosion in mine No. 16 of the Jackson-Walker Coal and Mining Company, Thursday, April 28, 1921. See details under the heading of "Explosions."

7 and 8. (Investigated by Sherwood, Gilday, Farrimond, Hislop and Keegan.) JOHN FISHER and CHARLES LAUTENSCHLAGER, shot-firers, were killed by an explosion in mine No. 2 of the Dittman-Wachter Coal Company, on Saturday, May 21, 1921. See details under heading of "Explosions."

9. (Investigated by Sherwood and Keegan.) IRA MOREHEAD, pumpman, was electrocuted at mine No. 2 of the Superior Coal and Mining Company, steam shovel, on Sunday, June 12, 1921, at about 8:45 a.m. Morehead and Jim Sharp, foreman at this pit, were making preparations to pump some water out of the main pit, about 1,000 feet southwest of the tibble. The pump that was being used was driven by electricity and the switch which controlled the current was uncovered. In throwing in the switch to start the pump, Morehead's thumb came in contact with the bare metal on the fuse, containing 440 volts, and knocked him down into the water in which he was standing. At the time the accident occurred Morehead and Sharp were the



only two persons near the pump, and the shovel crew were working about 250 feet from where they were pumping. Sharp had hold of the pipe from the pump and was knocked down by the short circuit caused by Morehead's thumb coming in contact with the bare metal. Sharp removed the wires from Morehead's body, and with the aid of the craneman removed him from the water. Morehead was not drowned, as his head was not submerged. I recommended that this switch be taken off and an insulated or covered switch be installed, as I consider this open switch very dangerous. There is scarcely enough room between the handle of the switch and the fuse for a man's fingers to pass. I also recommend that the transformer switch in the tippie be insulated and an insulated platform placed in front of this switch for a man to stand on while throwing the switch on or off.

10. (Investigated by Gilday and Keegan.) THOMAS LIGON, driver, was killed, and Henry Langford, boss driver, was seriously injured by a fall of rock and timbers in mine No. 18 of the Western Coal and Mining Company, on Thursday, July 21, 1921. The accident happened on the west parting just as Ligon and Langford were leaving the parting to go inside with a trip. The car in which they were riding jumped the track, knocking out the leg of one of the crossttimbers, causing this crossttimber and the crossttimber ahead of it and a great deal of rock to fall on them. There were five pieces of rock that had fallen in the car in which they were riding. The measurements of these rocks were as follows: 3 feet wide by 3 feet long by 5 inches thick; 4 feet 6 inches long by 2 feet 6 inches wide by 5 inches thick; 4 feet 7 inches long by 2 feet 6 inches wide by 7 inches thick; 2 feet wide by 2 feet long by 2 feet thick; 2 feet 8 inches long by 2 feet wide by 7 inches thick. There were several tons of rock besides that above mentioned that had fallen when these timbers were knocked out, but it did not fall in the car in which Ligon and Langford were riding. Ligon apparently was killed instantly. Langford was pinned under the debris and seriously injured, but never lost consciousness. Thomas Jones, another driver, was on the parting at the time the accident occurred, waiting to follow Ligon's trip inside. He hastened to the bottom to get help, and he and John Wayenberg, Walt Moore, George Zimmerman, Sam Gardner, Jack Macek, Joe Wimler, George Johnson, John Seeley and Raymond Supple came back to the parting and removed Ligon and Langford from under the rock and timbers. Ligon was removed in an ambulance to an undertaking parlor in Pittsburg. Langford was taken to Mount Carmel Hospital, where his right arm was amputated the following morning at 10:30. Apparently a small piece of rock had been on the rail, which caused this car to jump the track. A 2x12 plank had been nailed along the legs of the timbers on the parting to prevent a car that had jumped the track from knocking out the leg of the timber, but it appears that when this car jumped the track it pointed downward and struck the leg below the plank. State Mine Inspector Sherwood visited this mine on Monday, July 25, 1921, and ordered the legs on the empty side of the parting planked up from the bottom to a height of three and one-half feet above the rail, so that if a car should jump the track it would not touch the timbers.

11. (Investigated by Glennon.) JOE TYAN, miner, was injured by a fall of rock in mine No. 51 of the Central Coal and Coke Company, on Saturday, September 3, 1921, and died as a result of his injuries, Wednesday, September 7, 1921. He was injured in room 15 in the fourth west off the first south on the west side. The rock that fell on him broke in three pieces. The outside piece was 2 feet 6 inches by 4 feet 5 inches, the middle piece was 5 feet 10 inches by 5 feet, and the inside piece was 3 feet 9 inches by 4 feet, and the rock averaged about 5 inches in thickness. The last prop in position was 15 feet 3 inches back from the face. The room was 16 feet wide at the face. There was a horseback 45 feet back from the face, and there were ten props in position inside of the horseback. There were four props lying in the place; one prop measured 3 feet 7 inches, one 3 feet 4½ inches, and two 3 feet 5 inches. There was a piece of bad rock just inside the horseback. I would

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recommend that props be set within 6 feet of the face. If such had been done in this case this accident probably would not have happened.

12. (Investigated by Sherwood and Keegan.) JERRY FUGATE, miner, was killed by a fall of rock in the first stub south off the third east off the fifth south on the east side of mine No. 8 of the Arma Coal Company, Thursday, September 8, 1921. At the time Fugate was killed he was drawing the pillar between the fourth and fifth rooms in the first south stub. The rock that fell was 15 feet 2 inches long and 2 feet 7 inches thick in the thickest place, and broke in two pieces. The piece that fell on him was 11 feet 1 inch long, 2 feet 7 inches wide and 2 feet 7 inches thick at the thickest point, and would weigh approximately 6½ tons. This rock fell off the edge of the brushing. There was a slip running along the outby end of this rock, and a shot had been fired outby this slip. This shot apparently had loosened the rock, and as Fugate began to mine this shot off the rock fell. He had mined about one-half car of coal off this shot. His arm was nearly cut off by the rock, and he apparently bled to death. The entry was 6 feet 4 inches wide at the point where this rock fell and the coal was 2 feet 9 inches high. There was one prop set about 12 inches outby this rock, but whether this prop was set prior to the time the rock fell, or whether it was set there by the men removing him from under the rock, we were unable to ascertain. I recommended that in drawing pillars in a place of this kind, whenever possible to do so, to take a light shot off inside the room neck and leave a stump of coal at the edge of the brushing to support the roof, and I believe if such had been done in this case this accident would not have occurred. Fugate was 72 years old and is survived by a wife and two children.

13. (Investigated by Sherwood.) EARL BLAKE, miner, was killed by a fall of rock in the Linn County Coal Company mine at Pleasanton, Kan., at about 8:10 a.m., September 12, 1921. The accident occurred in a room turning in the first east back entry on the north side of the mine. The room was in 5 feet 7 inches from the entry and it was 4 feet 7 inches from the entry rail to the inside edge of the rock. The rock was diamond-shaped and was cut off by a slip. The rock was 7 feet 6 inches long, 3 feet 3 inches wide and 17 inches thick in the center. The rock tapered on three sides and broke off square on the inside edge toward the face. The inside rib of the room was even with the edge of the brushing. The room neck was 8 feet wide at the face. I would consider this an unforeseen accident, not chargeable to anyone.

14. (Investigated by Glennon and Keegan.) ISAAC R. WHISTLER, miner, was killed by a fall of rock in mine No. 14 of the Western Coal and Mining Company on Thursday morning, September 15, 1921. The accident occurred in room 4 in the first west off diagonal off second north off the straight west. The rock was 5 feet 8 inches long by 5 feet 2 inches wide, and averaged about 3 inches in thickness. The rock weighed less than 1,000 pounds. The nearest prop in position was 14 feet 7 inches from the face, or about 6 feet from the outside edge of the rock. The inside edge of the rock was 3 feet from the face. The room was 24 feet wide at the widest place, about 15 feet back from the face. Where the rock fell the room was 17 feet 3 inches wide. The rock was just about on the roadway in the center of the place. There was about two cars of coal that the outside edge of the rock was resting on. There were sixteen 3-foot 2-inch props lying in the place, and nine props in position. The coal at the face measured 3 feet high. This rock was a difficult one to timber, being nearly in the center of the roadway, and, being wet and slippery, probably fell without warning. I would recommend that a row of props be kept up along the roadway and another row be kept up in the gob, 6 or 8 feet apart. This would be considered an unavoidable accident.



NONFATAL ACCIDENTS.

JANUARY.

Central Coal and Coke Company, Mine No. 45.

1. Truman Dean, topman; strained muscles in abdomen; January 10, 1921.
2. Pete Batton, spragger; car ran over hand and mashed middle finger; January 14, 1921.
3. Jules Stafferoni, driver; hand lacerated by fall of rock; January 18, 1921.
4. John Hardwick, miner; hand cut with drill; January 18, 1921.
5. Joe Stephen, miner; knee injured; January 28, 1921.

Central Coal and Coke Company, Mine No. 48.

6. George Bell, miner; piece of rock in eye; January 3, 1921.
7. Olinto Baldrin, miner; right shoulder injured by fall of rock; January 7, 1921.
8. Pete Wilson, driver; right shoulder and arm bruised by fall of rock; January 12, 1921.
9. George Gillard, driver; foot injured by being caught between bumpers; January 15, 1921.
10. Louie Levinski, miner; shoulder and neck bruised by fall of rock; January 15, 1921.
11. Anton Bosso, miner; head bruised by fall of rock; January 27, 1921.
12. (Investigated by Glennon.) Alvin McNett, miner, was injured by a fall of rock at about 10:30 a.m., January 31, 1921, in Mine No. 48 of the Central Coal and Coke Company. The rock was 4 feet 4 inches by 4 feet, and 7½ inches thick. The place was 16 feet wide at the face; it was 4 feet from the face to the outside edge of the rock, and it was 17 feet from the face to the nearest prop on the left side of the place and 18 feet on the right side. The rock was a pot rock. The rest of the roof was apparently good, with the exception of the face. Statements were obtained by Inspector Glennon from Henry Uttley, miner, and Wm. Huber, mine foreman.

Central Coal and Coke Company, Mine No. 49.

13. Pete Pierard, track layer; piece of coal in right eye; January 4, 1921.
14. John Halach, miner; piece of coal in eye; January 20, 1921.
15. Ed Manion, track layer; muscles of back and stomach strained; January 22, 1921.

Central Coal and Coke Company, Mine No. 50.

16. Sam Lociato, miner; piece of coal in right eye; January 3, 1921.
17. Tony Paucher, cager; car ran over foot, injuring big toe; January 5, 1921.
18. Joe Knopil, miner; left hand injured; stuck nail in left hand while coming out of air shaft; January 6, 1921.
19. Floris Pertinas, miner; both hands injured; January 6, 1921.
20. D. Cevalletti, miner; right hand sprained; January 28, 1921.

Central Coal and Coke Company, Mine No. 51.

21. Frank Murrell, miner; right hand sprained; January 8, 1921.
22. (Investigated by Glennon.) Jess Davidson, topman; fell off railroad car; car ran over his leg, cutting right leg off below the knee. January 8, 1921. Statements regarding this accident were obtained from James Matheson, Charles Mayberry, John Craddock, Roy J. Storey, Frank Schiltz, Sandy Sapat, Robert Murray, foreman, Dr. C. H. Perkins, and Jesse L. Davidson.
23. Ed Maestric, blacksmith; sprained back, lifting flat sheet; January 10, 1921.
24. Bryan Zurek, sprinkler; armature fell on left foot, bruising big toe; January 12, 1921.



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25. J. O. Kidwell, topman; pushing sulphur car, slipped and ruptured himself; January 14, 1921.

26. L. Barrella, miner; sprained his arm while setting a prop; January 15, 1921.

27. V. Hofboner, miner; back sprained; January 17, 1921.

28. James Simion, miner; scalp wounded by fall of rock; January 18, 1921.

29. John Lekse, miner; sprained his back while pushing a car; January 25, 1921.

Faulkner Coal Company, Mine No. 12.

30. Thos. Hodges, miner; foot bruised; January 6, 1921.

Home Riverside Coal Mines Company, Mine No. 2.

31. John Caskes, track cleaner; fell out of pit car and broke shoulder bone; January 1, 1921.

Howe Coal Company, Mine No. 9.

32. Claud Neil, miner; right leg and ring finger on left hand bruised by car running back on him; January 13, 1921.

Jackson-Walker Coal and Mining Company, Mine No. 11.

33. Frank Lispi, miner; squeezed against rib by mule; side bruised; January 6, 1921.

34. John Haderlein, miner; burned by gas; January 10, 1921.

35. Joe Kreus, miner; lifting car on track, sprained back; January 21, 1921.

36. James Irwin, driver; crawling over trip; bruised right knee; January 27, 1921.

Jackson-Walker Coal and Mining Company, Mine No. 15.

37. L. Forsyth, driver; right big toe bruised; January 19, 1921.

Jackson-Walker Coal and Mining Company, Mine No. 16.

38. Peter Appino, driver; right leg caught between cars; cut and bruised; January 15, 1921.

Jackson-Walker Coal and Mining Company, Mine No. 17.

39. Nick Krempish, miner; pushing car; sprained back; January 7, 1921.

40. Aug. Mauetti, miner; lifting car on track; sprained his back; January 14, 1921.

41. M. Marrettini, miner; fell off car; bruised about head, shoulders and body; January 26, 1921.

Sheridan Coal Company, Mine No. 3.

42. Joe Carnino, miner; knee cap bruised; January 6, 1921.

Sheridan Coal Company, Mine No. 7.

43. Leslie Nixon, eager; left knee cut by hand ax; January 19, 1921.

Sheridan Coal Company, Mine No. 15.

44. Sam Miner, driver; leg bruised by coal falling on leg; January 12, 1921.

45. P. Chambers, topman; finger cut; January 3, 1921.

Western Coal and Mining Company, Mine No. 13.

46. Hosea Palmer, miner; injured by fall of rock in his room; January 7, 1921.

47. Joe Botalo, miner; right leg bruised; rock fell on his leg; January 17, 1921.

48. Tony Radia, topman; slipped and fell, dropping on his foot the pit-car wheel he was carrying; January 18, 1921.



Western Coal and Mining Company, Mine No. 15.

- 49. Paul Mesojednic, miner; left foot sprained; caught between cars; January 4, 1921.
- 50. Henry Mariotti, spragger; leg caught under car while spragging; left leg slightly bruised; January 4, 1921.
- 51. James Rae, driver; foot caught under car; right ankle sprained; January 7, 1921.
- 52. Joe Vignotelli, miner; sprained left knee while pushing a car; January 15, 1921.

Western Coal and Mining Company, Mine No. 16.

- 53. Rudy Karlinger, driver; right thumb mashed between car wheel and rail; January 3, 1921.
- 54. Harry Boyce, miner; back and right foot injured by fall of rock in entry; January 12, 1921.
- 55. Frank Slapper, miner; lifting a car on track; sprained his back; January 26, 1921.

Western Coal and Mining Company, Mine No. 18.

- 56. P. Baldali, miner; back wrenched, lifting a loaded car on track; January 5, 1921.
- 57. Jules Johnson, miner; right eye bruised; January 7, 1921.
- 58. Andrew Pickley, miner; right eye bruised; January 8, 1921.
- 59. Tony Kovach, miner; right thumb broken; January 13, 1921.
- 60. J. Steel, miner; bruised ribs on right side; January 21, 1921.
- 61. A. Miller, miner; small bone broken in left arm; January 29, 1921.
- 62. J. L. Walker, miner, got sulphur in eye while mining; January 29, 1921.
- 63. Joe Lopodice, miner; rolling a rock; strained his back; January 3, 1921.

Western Coal and Mining Company, Mine No. 19.

- 65. Alex Crescent, miner; left eye injured while cutting; January 6, 1921.
- 66. Sam Barbero, miner; pushing loaded car out of room; bruised middle finger of left hand against roof; January 8, 1921.
- 67. Oscar Maltese, miner; right knee badly swollen; crawled over coal and bruised same; January 20, 1921.
- 68. A. McLeod, driver; backed against timber by mule; finger on right hand cut; January 21, 1921.
- 69. Ralph Costello, miner; back sprained; January 26, 1921.

Western Coal and Mining Company, Mine No. 20.

- 70. Elmer Price, miner, caging extra; right hand run over by car and mashed; January 14, 1921.
- 71. Frank Kovech, miner; sprained back pushing car out of his room; January 15, 1921.
- 72. A. Vanrietti, driver; caught between cars; strained abdomen; January 26, 1921.
- 73. Jack Pompelli, miner; sprained back lifting car on track; January 31, 1921.

Western Coal and Mining Company, Mine No. 21.

- 74. John Mussa, fireman; right side burned; January 18, 1921.

Wear Coal Company, Mine No. 17.

- 75. G. Bassa, miner; right eye cut by fall of rock; January 5, 1921.
- 76. Nick Barbine, driver; second finger of right hand injured; January 5, 1921.
- 77. A. Wanthier, tracklayer; left eye injured; January 15, 1921.



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Wear Coal Company, Mine No. 21.

- 78. Floyd Newberry, miner; bruised about head and shoulders by fall of rock; January 14, 1921.
- 79. L. S. Strobe, topman; small toe on right foot injured; January 18, 1921.
- 80. M. Basona, miner; big toe on right foot bruised; January 20, 1921.
- 81. L. D. Brown, topman; thumb nail torn off; January 27, 1921.

Mertz & Mishmash Coal Company, Mine No. 1.

- 82. (Investigated by Sherwood.) Dave Mercer, miner; injured by fall of rock, at about 11:40 a. m., January 27, 1921. The rock measured 4 feet long, 2 feet 10 inches wide, and 2 inches thick at one side and 4 inches thick at the other side. This rock fell off a horseback in a crosscut near the face. The crosscut was just through, and Mercer was sitting on a box, cutting. It was 3 feet from the horseback to the face. There were four props in his place, just 16 feet from where he was at work.

FEBRUARY.

Central Coal and Coke Company, Mine No. 45.

- 83. Paul Pirnot, miner; pushing a car, slipped; contusion of left side; February 1, 1921.
- 84. Joe Volek, miner; foreign substance in right eye; February 3, 1921.
- 85. Price Goldini, miner; piece of coal in eye; February 5, 1921.
- 86. Ben Townsend, blacksmith helper; left eye injured; babbitt flew up and hit him in eye; February 8, 1921.

Central Coal and Coke Company, Mine No. 48.

- 87. William Hill, miner; piece of coal fell off car and mashed third finger of left hand; February 7, 1921.
- 88. Ed Vanbrant, sr., miner; hit in eye by piece of coal; February 21, 1921.
- 89. L. B. Strickland; back and legs bruised by fall of rock; February 23, 1921.
- 90. Tom Gillard, driver; mule kicked dirt in his eye; February 28, 1921.

Central Coal and Coke Company, Mine No. 49.

- 91. Constant Ceit, miner; left foot bruised by fall of rock; February 8, 1921.
- 92. Lawrence Shaffer, miner; left foot bruised by being run over by car; February 24, 1921.
- 93. Paul Dupont, miner; two ribs on right side broken and back badly bruised by fall of rock; February 26, 1921.
- 94. George Bogataj, miner; fell against a steam pipe and burned calf of leg; February 26, 1921.
- 95. Marvin E. Wise, car repairer; middle finger of left hand bruised; February 27, 1921.

Central Coal and Coke Company, Mine No. 50.

- 96. Augustus Borelo, miner; car ran over right hand, injuring third finger; February —, 1921.
- 97. John Eymann, miner; lifting a car, hurt back; February 11, 1921.
- 98. H. A. Fenner, miner; piece of slate in eye; February 28, 1921.

Central Coal and Coke Company, Mine No. 51.

- 99. Carlo Roveletti, miner; piece of coal in right eye; February 14, 1921.
- 100. Mike Kotein, miner; pushing a car, slipped and sprained his back; February 14, 1921.
- 101. R. Prosenc, miner; left leg bruised by fall of rock; February 14, 1921.
- 102. A. Britton, motorman; throwing latch with foot, sprained his knee; February 25, 1921.
- 103. F. White, miner; fell on rail and bruised right knee; February 26, 1921.



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Clemens Coal Company, Mine No. 18.

104. W. W. Fletcher, miner; slipped and fell, throwing shoulder out of joint; February 3, 1921.

105. William Tilley, miner; coal dust in right eye; February 9, 1921.

106. H. S. Brown, miner; back of right hand cut by fall of slate; February 23, 1921.

Clemens Coal Company, Mine No. 17.

107. Nestor Dessy, miner; finger mashed; February 28, 1921.

Crowe Coal Company, Mine No. 16.

108. Geno Thompson, miner; leg broken above knee by fall of rock; February 3, 1921.

Faulkner Coal Company, Mine No. 12.

109. James Steele, miner; second finger on left hand caught between car and rib and mashed; February 11, 1921.

110. Chas. Sherman, miner; palm of hand cut on drill; February 21, 1921.

Howe Coal Company, Mine No. 9.

111. Albert Cox, miner; left eye injured; February 7, 1921.

Howe Coal Company, Mine No. 19.

112. Eugene Chippeaux, miner; back sprained by jumping away from falling coal; February 1, 1921.

Girard Coal Company, Mine No. 7.

113. (Investigated by Glennon.) John Fliss, motorman at mine No. 7 of the Girard Coal Company; motor ran over him, breaking his left leg, causing it to be amputated later. The accident occurred at about 1:45 p.m., February 25, 1921. Statements were obtained from Frank Evans, foreman, W. W. Bennington, Simon Micheletti, Louie Galnetto and John Fliss.

Jackson-Walker Coal and Mining Company, Mine No. 11.

114. Fred Maletz, miner; left eye injured, February 11, 1921.

115. Peter Redda, miner; slightly burned by gas; February 11, 1921.

116. Henry Wente, miner; injured February 21, 1921; no report of nature of injury.

117. Joe Ronchetti, miner; injured February 28, 1921; nature of injury not known.

Jackson-Walker Coal and Mining Company, Mine No. 16.

118. Elmer Wise, topman; bone in foot fractured by piece of iron falling on it; February 5, 1921.

Jackson-Walker Coal and Mining Company, Mine No. 17.

119. Louis Serra, miner; burned about face and arms by gas; February 4, 1921.

120. Joe Ambrozis, miner; back sprained, lifting a piece of rock; February 5, 1921.

121. Steve Castellano, miner; pushing car out of place, sprained back; February 11, 1921.

Sheridan Coal Company, Mine No. 7.

122. Joe Kolpak, miner; right knee bruised; February 3, 1921.

123. Joe Peterson, miner; left knee joint inflamed, caused by striking knee on chunk of coal; February 7, 1921.

124. William Tipton, miner; right knee bruised; February 11, 1921.

Sheridan Coal Company, Mine No. 10.

125. Base Jones, miner; left arm bruised by falling coal; February 25, 1921.

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Sheridan Coal Company, Mine No. 15.

126. Harry Mitchell, miner; thumb of left hand caught between car and roof, cutting it off at first joint; February 14, 1921.

127. John Kendig, miner; sprain and contusion of ankle; February 14, 1921.

Spencer-Newlands Coal Company, Mine No. 7.

128. (Investigated by Glennon.) John Fenero, miner, was injured by a fall of rock in a room off the second west off straight south in mine No. 7 of the Spencer-Newlands Coal Company, Tuesday, February 8, 1921. He got out from under the rock and went home himself. The rock measured 6 feet 3 inches wide, 5 feet 2 inches long, and was 7 inches thick at the inside edge and tapered to a feather edge on the outside. The room in which he was injured was the second room from the face.

Western Coal and Mining Company, Mine No. 13.

129. Joe Botola, miner; hand bruised by fall of roll; February 9, 1921.

130. John Hetherington, driver; elbow caught between car and rib; February 22, 1921.

131. Antone Padlogger, miner; finger bruised; February 28, 1921.

Western Coal and Mining Company, Mine No. 14.

132. Emile Theys, shot-firer; shot going off, got dust in right eye; February 15, 1921.

133. Joe Kotovich, miner; left hand, head and back injured by fall of rock while mining a shot; February 24, 1921.

Western Coal and Mining Company, Mine No. 15.

134. Tony Paulich, miner; back slightly sprained; February 1, 1921.

135. James Müdd, miner; back sprained while pushing a loaded car; February 2, 1921.

136. (Investigated by Glennon.) Felix Slevinski, miner, was injured by a fall of rock in mine No. 15 of the Western Coal and Mining Company at about 3 o'clock p.m., February 3, 1921. He was working in the second room from the face of the ninth west back off the second north on the west side of the mine. The rock that fell on him was 7 feet by 5 feet by 4 inches thick. He was starting to load a car when the rock fell on him. It was on the right side of the place and about 6 feet from the face. The place was 12 feet wide. The coal was 3 feet 5 inches high. There were seven 3-foot 4-inch props, but the rock was not in a position to be propped, as it was on the roadway. The room was in 46 feet from the switch. Statements were obtained from Frank Price, foreman, Joe Scepanisky and Felix Slevinski.

137. A. Kanshek, miner; pushing loaded car, foot slipped and he fell, causing rupture; February 10, 1921.

138. Nick Vignatelli, miner; right foot bruised by stepping on a cap piece which had nail in it; February 14, 1921.

139. Pete Barys, miner; right knee bruised; February 14, 1921.

140. O. E. Powers, boss driver; rib and side bruised; February 16, 1921.

141. Tom Dorsey, miner; claims he was injured internally; February 23, 1921.

142. N. F. Kelley, miner; pushing loaded car out of his room, slipped and fell; February 28, 1921.

Western Coal and Mining Company, Mine No. 16.

143. Wayne Gillen, miner; left arm slightly bruised by fall of rock; February 8, 1921.



Western Coal and Mining Company, Mine No. 18.

- 144. V. Maurizzi, miner; right hand slightly bruised by fall of rock; February 9, 1921.
- 145. Bert Guistetto, miner; right leg and left shoulder slightly bruised; pushing a car, slipped and fell; February 12, 1921.
- 146. A. Marlier, roadman; right knee bruised; February 14, 1921.
- 147. S. Viventi, miner; lifting a loaded car on track, ruptured himself; February 14, 1921.
- 148. Gregor Sola, miner; trying to rerail a car, ruptured himself; February 14, 1921.
- 149. L. Henderson, cager; right thigh bruised; leg caught between timber and car; February 23, 1921.

Western Coal and Mining Company, Mine No. 19.

- 150. Alexander Mark, driver; pushing a loaded car, sprained his back; February 1, 1921.
- 151. W. M. Doan, miner; left leg severely sprained; February 1, 1921.
- 152. John Mosson, miner; kicked by mule; left leg and arm injured; February 23, 1921.
- 153. George Potter, fireman; working on boiler with wrench, wrench slipped and struck him on the side; February 27, 1921.
- 154. Florian Stolar, miner; right arm bruised; February 1, 1921.

Western Coal and Mining Company, Mine No. 20.

- 155. D. Merciez, driver; getting off trip, he slipped and turned his left ankle; February 8, 1921.
- 156. Hubert Mauten, miner; piece of rock struck him in left eye; February 11, 1921.
- 157. Mike Peratti, miner; piece of sulphur in left eye; February 14, 1921.
- 158. John Corsini, miner; rerailing a car, sprained his back; February 25, 1921.
- 159. Robert Moore, miner; piece of coal in right eye; February 28, 1921.

Western Coal and Mining Company, Mine No. 21.

- 160. Tony Vietti, miner; bumped his head on the brushing; February 22, 1921.

Wear Coal Company, Mine No. 17.

- 161. R. Zarka, miner; right knee bruised; February 4, 1921.

Wear Coal Company, Mine No. 21.

- 162. Frank Schwin, miner; left knee bruised; February 7, 1921.
- 163. Joe Pallozara, miner; left leg bruised above knee; February 9, 1921.
- 164. Pete Benedict, miner; piece of coal fell on right thumb; February 11, 1921.
- 165. Jack Popechan, miner; hand caught between loaded car and roof; little finger on left hand cut and bruised; February 11, 1921.

MARCH.

Central Coal and Coke Company, Mine No. 45.

- 166. J. P. Francott, top boss; got some creosote in his eye; March 1, 1921.
- 167. Ernest Pencil, driver; caught hand between cars, bruising little finger; March 30, 1921.

Central Coal and Coke Company, Mine No. 48.

- 168. W. M. Endicott, blacksmith helper; second finger of left hand injured; caught in drill; March 1, 1921.
- 169. James Wise, miner; car ran on him, bruising his neck and face; March 3, 1921.



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- 170. William Hill, miner; loaded trip hit him in side, fracturing two ribs; March 8, 1921.
- 171. William Irwin, miner; big toe on left foot injured by fall of coal; March 8, 1921.
- 172. Joe Bell, driver; mule kicked dirt in eyes; March 15, 1921.
- 173. Joe Palcher, timberman; first finger of right hand injured by fall of rock; March 15, 1921.

Central Coal and Coke Company, Mine No. 49.

- 174. John Reed, driver; foreign object in eye; March 17, 1921.
- 175. Joe Cichinaro, miner; was pushing car, fell, causing soreness across stomach; March 22, 1921.

Central Coal and Coke Company, Mine No. 50.

- 176. (Investigated by Gilday.) George Arighi, miner; left shoulder, side and back injured by fall of rock; March 10, 1921.
- 177. Frank Zatruck, miner; dropped a rock on left foot, mashing big toe; March 21, 1921.
- 178. Frank Marceiz, driver; right foot caught on trip and injured; March 22, 1921.
- 179. Anton Gabersck, miner; became sick on account of bad air; March 29, 1921.

Central Coal and Coke Company, Mine No. 51.

- 180. Geo. M. Bell, miner; sprained back while pushing a car; March 11, 1921.
- 181. Arthur Canali, miner; fell while running away from gas, fracturing rib; March 15, 1921.
- 182. Trace Conrad, miner; piece of rock hit him in eye; March 25, 1921.
- 183. J. Sandwith, miner; back bruised by fall of rock; March 25, 1921.
- 184. Maris Sapeck, miner; pushing a car, sprained his back; March 28, 1921.

Clemens Coal Company, Mine No. 17.

- 185. Ralph Brown, watchman; eye injured; March 14, 1921.
- 186. Mike Vernardi, miner; pushing a car, sprained his back; March 15, 1921.

Clemens Coal Company, Mine No. 18.

- 187. James Farabi, miner; knee injured; March 9, 1921.

Dittman-Wachter Coal Company, Mine No. 2.

- 188. Frank Riffel, jr., miner; cut on head by fall of rock; March 4, 1921.
- 189 and 190. (Investigated by Gilday, Glennon, Wilcox, Farrimond and Perkins.) John Fisher and Sam Smith; injured by explosion March 4, 1921; investigated March 5, 1921. See details under heading of "Explosions."

Faulkner Coal Company, Mine No. 12.

- 191. Jake Schact, miner; leg and knee bruised by fall of coal; March 14, 1921.
- 192. John Quail, trackman; first finger on left hand mashed by hammer flying off sledge; March 28, 1921.

Home Riverside Coal Mines Company, Mine No. 1.

- 193. Kit West, machine shoveler; leg cut at knee by cutting chain on mining machine breaking; March 15, 1921.

Howe Coal Company, Mine No. 9.

- 194. William Ekis, driver; rail fell on ankle, bruising same; March 5, 1921.
- 195. Frank Napedora, miner; slipped and fell, injuring floating ribs and straining muscles; March 15, 1921.