

## State inspector of coal mines reports

### Section 110, Pages 3271 - 3300

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.

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KANSAS  
HISTORICAL  
SOCIETY



129	Reliance Coal & Mining Co.		263	1,528	1,903	3,604
130	Rice Coal Co.				208	208
131	Ringo Coal Co.		448	1,963	1,517	3,928
132	Renn & Primes Coal Co.				95	95
133	Ritchey & Bradley Coal Co.	1	125	75	3,700	3,900
134	Ritchey & Bradley Coal Co.	2	325	160	165	650
135	T. & M. Coal Co.				10,198	10,198
136	Russell Coal Co.				445	445
137	Savage Coal Co.				2,000	2,000
138	Sheridan Coal Co.	7	15,979	16,253	255	32,487
139	Sheridan Coal Co.	16				
140	Sheridan Coal Co.	18	13,629	28,821	2,132	44,582
141	Sheridan Coal Co.	20				
142	Shipman Coal Co.		100	60	2,533	2,693
143	Simon Coal Co.				3,299	3,299
144	Spencer-Newlands Coal Co.	7			19,673	19,673
145	Spencer-Newlands Coal Co.	9			33,603	33,603
146	Square Deal Coal Co.				325	325
147	Standard Coal Co.	12			8,553	8,553
148	Star Coal Co.	1			4,399	4,399
149	Star Coal Co.	2				
150	Sunshine Coal Co.				1,200	1,200
151	T. B. & W. Coal Co.		156	180	14	350
152	Terpin Coal Co.	1			1,550	1,550
153	Terpin Coal Co.	2			1,735	1,735
154	T. R. & G. Coal Co.	1	226	784	7,278	8,288
155	T. R. & G. Coal Co.	2			6,141	6,141
156	Vaughn & Shell Coal Co.		193	91	437	721
157	Victor Coal Co.				12,088	12,088
158	Victory Coal Co.		1,500	2,910	300	4,710
159	Wear Coal Co.	17	2,327	4,177		6,504
160	Wear Coal Co.	21	9,488	43,607	1,536	54,631
161	Western Coal & Mining Co.	13	6,585	16,179	7,482	30,246
162	Western Coal & Mining Co.	14	18,845	15,276	6,235	38,356
163	Western Coal & Mining Co.	15	37,706	32,208	5,251	75,167
164	Western Coal & Mining Co.	16	22,478	23,377	3,339	49,194
165	Western Coal & Mining Co.	18	22,801	33,810	2,714	59,325
166	Western Coal & Mining Co.	19	14,722	12,449	7,507	35,208
167	Western Coal & Mining Co.	20	46,007	33,398	4,280	83,685
168	Whetstone & Feiden Coal Co.				2,194	2,194
169	Whitehead Coal Co.				1,500	1,500
170	White & Muller Coal Co.				230	230
171	Wilbert-Schroeb Coal Co.	2	102	964	3,224	4,290
172	Wilbert-Schroeb Coal Co.	3	480	3,822	3,101	7,412
173	Wilkinson Coal Co., Wm.				3,331	3,331
174	Wilson Bros. Coal Co.		31	100	1,590	1,721
175	Wilson Bros. Coal & Mining Co.	2	2,178	6,953	106	9,247
176	Windmill Coal Co.				535	535
177	Young Coal Co.	2			7,773	7,773
178	Young Coal Co.	9			9,709	9,709
179	Y. G. & V. Coal Co.				1,406	1,406
Totals			473,127	718,512	965,487	2,159,136

Mine Inspection Department.

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PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR SHAFT, SLOPE, AND DRIFT MINES OF CRAWFORD COUNTY,  
FOR THE YEAR ENDING DECEMBER 31, 1922—CONTINUED.

Office No.	Employees.					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 nonfatal accidents.	
1	5	1	6	1	7	116½	120	1,050			Successor to Nelson Coal Co., July, 1922.
2	5		5	1	6	82	49	790			No coal produced; leased to Last Chance Coal Co., July 1, 1922.
3	4	4	28	3	31	89	770	2,548			
4	4		4	1	5	98	78	231		1	
5	3		3	2	5	171	76	350			Succeeded by Kruger Coal Co., August, 1922.
6	3		3	1	4	146	250	490			
7	1	4	5	2	7	166	57	825			New mine; began operating April 1, 1922.
8	3		3	1	4	50	50	50			New mine; began operating September 30, 1922.
9	3		3	1	4	50	50	125			New mine; began March 17, 1922; tippie burned Aug. 28, 1922.
10	3		3	1	4	100	150	750		1	Successor to Broadhurst Coal Co., April 1, 1922.
11	5		5	1	6	39	78	100			Successor to Wilson Bros. Coal Co., September, 1922.
12	4	1	5	1	6	180	105	25			
13	4		4	1	5	60	9				Abandoned May 26, 1922.
14	3		3	1	4	32	350	10,000			Leased from Sheridan Coal Co., April 1, 1922, to August 15, 1922.
15	87		87	4	91	100	215	700		1	Ceased operation August 1, 1922.
16	3		3	1	4	52	58	250			Succeeded by Big Six Coal Co., April 1, 1922.
17	8		8	2	10	30	15			1	Successor to Fisher Coal Co. August, 1922.
18	3		3	1	4	59	60	150			
19	2	1	3	1	4	252	213	176			
20	3		3	1	4	200	210	2,100			New mine, began operating April 15, 1922.
21	4		4	1	5	74	30	60			Successor to Russian Coal Co., September, 1922.
22	2		2	1	3	192½	1,635	3,125			
23	11	2	13	1	14	105	155	200			Abandoned August, 1922.
24	4		4	1	5	139	345	10,150			
25	16	2	18	2	20	80½	40	400			
26	4		4	1	5	133½	4,347	41,316	•	1	
27	106	40	146	7	153	138½	3,024	25,175		24	
28	68	32	100	7	107	141½	6,046	39,410		30	
29	134	52	186	13	199	63	2,424	19,901		17	
30	88	41	129	5	134	124½	5,829	130,200		55	
31	205	69	274	10	284	150	800	15,000		14	Estimated.
32	35	6	41	4	45	45	40	50			Succeeded by J. M. & S. Coal Co., April 1, 1922.
33	3		3	1	4	50	13				Succeeded by Rice Coal Co., April 1, 1922.
34	2		2		2	31½	806	15,060			Leased from Sheridan Coal Co., April 15, 1922, to Aug. 15, 1922.
35	123		123	4	127	148½	2,818	25,250		1	
36	56	17	73	6	79	86	62				Abandoned June 30, 1922.
37	3		3	1	4						

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38	8	1	9	1	10	238	80	1,600	.....	Estimated.
39	8	1	9	1	10	130	378	5,000	.....	.....
40	6	1	7	1	8	108	255	725	.....	.....
41	26	5	41	4	45	149	795	14,550	.....	Listed last year as Porphir Coal Co. No. 2.
42	64	19	83	6	89	131 <sup>1</sup> / <sub>2</sub>	3,986	8,672	.....	.....
43	49	14	63	6	69	101 <sup>1</sup> / <sub>2</sub>	3,614	5,614	.....	.....
44	80	25	105	8	113	44 <sup>1</sup> / <sub>2</sub>	1,711	4,253	.....	.....
45	78	16	94	6	100	70 <sup>1</sup> / <sub>2</sub>	2,875	5,186	.....	.....
46	12	2	14	4	18	162 <sup>1</sup> / <sub>2</sub>	155	9,500	.....	.....
47	12	3	15	4	19	208	990	1,750	.....	.....
48	5	.....	.....	.....	5	65	33	100	.....	Successor to Dickinson & Archer Coal Co., September, 1. 22.
49	4	.....	.....	.....	6	150	296	200	.....	.....
50	8	1	9	1	10	145	240	690	.....	.....
51	6	.....	.....	.....	9	70	70	250	.....	Began operating April, 1922; succeeded by D. & R., Sept., 1922.
52	3	1	4	1	5	136	108	50	.....	New mine; began operating April 1, 1922.
53	128	23	151	8	150	170	6,888	31,996	1	2
54	15	1	16	4	20	55	125	2,500	.....	.....
55	5	.....	.....	.....	6	193	251	1,100	.....	New mine; began producing Coal September, 1922.
56	92	18	110	8	118	151	2,744	71,200	.....	.....
57	8	1	9	2	11	268	1,137	150	.....	.....
58	74	16	90	9	99	63	1,233	7,000	.....	Leased to Standard Coal Co., April 1, 1922, to August 15, 1922.
59	61	17	78	6	84	128	1,728	16,000	5	4
60	7	1	8	1	9	200	480	600	.....	Leased to Mountain Coal Co., April 1, 1922, to August 15, 1922.
61	3	.....	.....	.....	4	45	22	.....	.....	.....
62	9	2	11	1	12	114	317	5,000	.....	Succeeded by Geo. Broadhurst Coal Co., August, 1922.
63	4	.....	.....	.....	6	52	40	50	.....	.....
64	9	2	11	1	12	188	505	10,950	.....	Succeeded by Square Deal Coal Co., March 6, 1922.
65	7	.....	.....	.....	8	190	172	.....	.....	.....
66	7	1	8	2	10	103	220	200	.....	.....
67	4	.....	.....	.....	4	203	191	445	.....	.....
68	39	11	80	7	57	120	1,708	5,854	.....	.....
69	17	2	19	2	21	161	529	1,990	.....	.....
70	8	.....	.....	.....	11	138 <sup>1</sup> / <sub>2</sub>	400	1,025	.....	Leased from Jackson-Walker Coal & Min. Co., December, 1922.
71	20	5	23	5	30	25	50	100	.....	.....
72	12	2	14	2	16	144	630	3,500	.....	.....
73	27	5	32	3	35	120	1,636	8,900	.....	.....
74	3	.....	.....	.....	4	38	18	100	.....	Began operating July 1, 1922; abandoned September 30, 1922.
75	98	32	130	9	139	133 <sup>1</sup> / <sub>2</sub>	4,154	79,533	1	.....
76	4	.....	.....	.....	5	200	450	875	.....	.....
77	3	.....	.....	.....	1	88	75	200	.....	New mine; began operating August, 1922.
78	78	19	97	6	103	69	1,287	11,300	.....	Abandoned March 31, 1922.
79	130	21	151	7	158	142 <sup>1</sup> / <sub>2</sub>	6,045	28,130	13	.....
80	.....	4	4	1	5	22	6	25	.....	.....
81	19	3	22	2	24	131	1,328	4,300	.....	.....
82	189	40	229	15	244	140	6,213	220,190 <sup>1</sup> / <sub>2</sub>	22	.....
83	182	42	224	21	245	165	7,991	332,225	24	.....
84	7	2	9	1	10	175	40	15	.....	.....
85	3	.....	.....	.....	1	98	80	50	.....	Successor to Clarkson & Janes, April 1, 1922; abandoned Nov., 1922.
86	3	.....	.....	.....	1	4	50	100	.....	New mine; began operating October 1, 1922.
87	7	.....	.....	.....	8	135	250	500	.....	.....
88	47	19	66	7	73	159	1,975	24,152	12	.....
89	12	1	13	1	14	67	155	3,200	.....	.....
90	5	.....	.....	.....	6	63	81	450	.....	Successor to Bavier Coal Co., September, 1922.
91	14	2	16	.....	16	92	796	950	.....	.....

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PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR SHAFT, SLOPE, AND DRIFT MINES OF CRAWFORD COUNTY,  
FOR THE YEAR ENDING DECEMBER 31, 1922—CONCLUDED.

Office No.	Employees.					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 nonfatal accidents.	
92	9	3	12	3	15	59	196	1,530			Leased from Acme Coal & Mining Co., July 1, 1922.
93	20		20	2	22	112	193	12,709			
94	6		7	2	9	134	378	725			
95	1		1	1	2	200	62	1,100			
96	50	15	65	8	73	124½	2,104	18,964			Ceased operating June 30, 1922.
97	3	1	4	1	5	40	60	150			
98	3	2	5	3	11	146	191	935			
99		4	4	1	5	60	10	150			
100	21		21	2	23	134	781	5,380			
101	2		2	1	3	40	50	100			
102	4		4	1	5	192	170	200			
103	10	4	14	1	15	168	195	1,600			
104	13	2	15	1	16	108½	695	3,250		1	
105	78		78	6	84	32	150	2,500			Leased from Faulkner Coal Co., April 1, 1922, to August 15, 1922.
106	3	1	4	1	5	251	200	380			Succeeded by Osage City Labor Exchange, July, 1922.
107	5		5	1	6	108	14	20			Abandoned March 31, 1922.
108	27	6	33	6	39	45	197	3,500			New mine; no coal produced during 1922.
109											Succeeded by A. B. B. & N. Coal Co., June 30, 1922.
110	8		8	1	9	26	2	300			Succeeded by North Side Coal Co., September, 1922.
111	5	1	6	3	9	150	170	300			Leased from Howe Coal Co., April 1, 1922, to August 15, 1922.
112	11	1	12	2	14	97	458	200			Successor to New Coal Co., September, 1922.
113	4	1	5	1	6	150	410	800			Successor to McCune Coal Co., July, 1922.
114	73		73	4	77	30½	1,000	4,000			
115	7	2	9	1	10	35	50				
116	5	3	8	1	9	90		371	5,005	1	
117	30	4	34	3	37	56½		246	3,065		
118	12	2	14	2	16	89		180	254	2	
119	4	1	5	1	6	96		119	1,000		New mine; began operating April, 1922.
120	4		4		4	24		221	180		New mine; began operating July, 1922.
121	5	1	6	1	7	104		11			Abandoned June, 1922.
122	3		3	1	4	76		93	375		Began operating April 1, 1922; abandoned November 15, 1922.
123	6	1	7	1	8	148		945	22,000	5	
124	37	8	45	6	51	54	1,647	2,325			
125	67	25	92	9	101	54		500			
126	6	1	7	1	8	180		725			
127	17	3	20	1	21	141					



128	10	1	11	1	12	151	65	12,000		
129	27	5	32	4	38	69	250	1,900		
130	2		2		2	100	10	150		
131	8	1	9	2	11	141	310	1,750		Successor to Frank Clark Coal Co., April 1, 1922.
132	3		3	1	4	30	6	50		
133	5		5	2	7	230	260	75		
134	3	1	4	1	5	80	65	50		
135	21	4	25	2	27	123	705	1,920	1	New mine; began operating June 1, 1922.
136	3		3	1	4	75	10			
137	6		6	1	7	80	2,000	25		Began April 1, 1922; succeeded by Buissett & Dubois, Sept., 1922.
138	129	27	147	8	155	739 1/2	2,885	9,900	3	Estimated. New mine; began operating August, 1922.
139										
140	135	20	155	8	163	79	4,059	12,500	11	No coal produced.
141										New mine; no coal produced during 1922.
142	6	1	7	1	8	180	315	350		
143	5	2	7	1	8	185 1/2	281	500		
144	36	10	46	6	52	111	1,778	4,000		
145	80	13	93	6	99	124	2,738	13,500		
146	2		2	1	3	48	20	10		
147	53		53	3	56	47				Successor to F. O. & G. Co., March 6, 1922; abandoned June 30, 1922.
148	19	5	24	2	26	66 1/2	100	6,180		Leased from Faulkner Coal Co., April 1, 1922, to August 15, 1922.
149										
150	3		3	1	4	65	100			New mine; no coal produced during 1922.
151	5		5	2	7	20	45	100		New mine; began operating August 24, 1922.
152	6	2	8	1	9	70	187	400		
153	4	1	5	1	6	96	154	300		Abandoned June 30, 1922.
154	18	5	23	3	26	100	706	1,775		New mine; began operating July 1, 1922.
155	12	2	14	2	16	170	516	3,150	1	
156	2		2	1	3	200	104	455		
157	22	3	25	3	28	154	304	10,328		
158	15	3	18	3	21	102	330	1,300		
159	32	12	44	7	51	46	390	1,658	4	Abandoned March 31, 1922.
160	96	32	131	10	141	122	2,545	54,782	38	
161	68	27	95	9	104	113	2,604	12,324	21	
162	78	26	104	9	113	130	2,741	27,550	14	
163	133	45	178	10	188	134	5,965	24,029	58	
164	108	38	144	9	153	95	3,891	20,409	34	
165	126	34	160	10	170	113	4,096	30,730	44	
166	66	23	91	8	99	109	2,850	14,594	19	
167	163	42	205	10	215	107	6,263	49,239	58	
168	5		5		5	171	150	300		
169	6	1	7	1	8	100	100			
170	2		2	1	3	45	6	250		
171	19	1	20	2	22	94	196	2,673		Began operating July 1, 1922; abandoned.
172	18		18	1	19	128	561	8,600		
173	6		6	1	7	173	290	1,350		
174	4	1	5	1	6	76	90	150		
175	16	3	19	2	21	104	686	812		
176	4	1	5	1	6	78	75	550		
177	18	3	21	4	25	82	464	4,317		
178	61	22	83	8	91	36 1/2	948	3,515		
179	10	1	11	1	12	40	121	450		
Miscel.									1	
Total	5,011	1,172	6,183	539	6,722	19,186	104,273	1,700,640 1/2	5	581



PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR DEEP MINES OF CHEROKEE COUNTY,  
FOR THE YEAR ENDING DECEMBER 31, 1922.

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	Atwood & Horn Coal Co.				2,711	2,711
2	Babb & Finch Coal Co.				386	386
3	Best & Bull Coal Co.				1,900	2,003
4	Bradwood Coal Co.			105	1,340	1,340
5	Brehl & Grassdier Coal Co.				1,811	1,611
6	Browning Coal Co.				994	994
7	Brown & Fierand Coal Co.				4,182	4,182
8	Brumback & Richardson Coal Co.				1,904	1,904
9	Butler & Gladieux Coal Co.				602	602
10	Cain Coal Co., Chas.				1,777	1,777
11	C. B. & W. Coal Co.				1,251	1,251
12	Cherokee Cement Coal Co.					
13	Chenena Coal Co.	2				
14	Chenena Coal Co., John	17	7,428	4,961		12,389
15	Cullen Coal Co.				500	500
16	Calme-Was-Baker Coal Co.				556	556
17	Collins & Mathis Coal Co.				750	750
18	Calvin Coal Co.				2,653	2,653
19	Coom & Stevens Coal Co.				277	277
20	Corkle Bros. Coal Co.		70	1,001	529	1,600
21	Corkle Coal Co., Geo.				994	994
22	Corkle-Davison & Seroggins Coal Co.				475	475
23	Craig Coal Co.				6,364	6,364
24	Craig Coal Co.				978	978
25	Cutshall & Early Coal Co.				1,004	1,004
26	Curtis Coal Co.				683	683
27	Delaney & Demay Coal Co.				580	580
28	Diamond Coal Co.				2,430	2,430
29	Dixon Coal Co.				11,330	11,330
30	Fogler & Walker Coal Co.				443	443
31	Fuller Coal Co.				761	761
32	Gamble & Hubbard Coal Co.		809	500	454	1,293
33	Goodin & Melver Coal Co.			728	1,311	2,037
34	Grady Coal Co.				630	630
35	Guy Coal Co.		350	425	662	1,437
36	Harmon & Clegg Coal Co.				2,400	2,400
37	Hamley-Ore Coal Co.				1,140	1,140
					1,272	1,272

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Count of Industrial Relations.

## State inspector of coal mines reports



*Mine Inspection Department.*





PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR DEEP MINES OF CHEROKEE COUNTY,  
FOR THE YEAR ENDING DECEMBER 31, 1922—Continued.

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.
87	Southeastern Coal Co.				450	450
88	Stark & Francis Coal Co.				580	580
89	Sweet & Vilmer Coal Co.			149	190	309
90	Thompson Bros. Coal Co.				6,769	6,769
91	Toner & Son Coal Co.				900	900
92	Union Coal Co.				750	750
93	Vanduker Coal Co.				4,354	4,354
94	Vanduker Coal Co.	1			5,905	5,905
95	Walker Coal Co., R. J.	2			3,999	3,999
96	Walsh Coal Co.				2,213	2,213
97	Western Coal & Mining Co.		41,044	25,540	8,332	73,545
98	Wilkinson Coal Co., Joe				868	868
99	Wood, Burr & Fleming Coal Co.			213	1,438	1,651
100	W. W. B. Coal Co.				4,953	4,953
101	Zitnik & Pankin Coal Co.		35	60	2,164	2,259
	Totals		65,763	43,423	285,485	394,671

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Coal of Industrial Relations.

## State inspector of coal mines reports

PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR DEEP MINES OF CHEROKEE COUNTY,  
FOR THE YEAR ENDING DECEMBER 31, 1922—Continued.

Office No.	Employees.					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 nonfatal accidents.	
1	3		3	2	5	221	135	53			
2	3		3	1	4	125	189	250			Abandoned June, 1922.
3	3		3	1	4	132	16	1,300			
4	3		3	1	4	111	110				
5	4		4	1	5	108½	120	75			
6	3		3	1	4	104	92	100			
7	12	2	14	2	16	95	414	300			
8	2		2	2	4	140	74	1,200			
9	2		2	2	4	117	70				
10	3	1	4	1	5	122	33	1,200			
11	3		3	1	4	157	81	250			
12											Successor to Carkle Bros. Coal Co., May 16, 1922.
13	30	12	42	5	47	715½	891	7,701			Producing no coal during 1922.
14	1		1	1	2	100	45	15			
15	2		2	2	4	95	6	550			Closed operation August 30, 1922.
16	2		2	2	4	120	8	200			Estimated.
17	5		5	1	6	175	310	200			
18	2		2	1	3	43	2	50			
19	3		3	1	4	206	82	623			Began operating February 20, 1922.
20	8	1	9	8	17	48	80	20			Successor to C. B. & W. Coal Co., May 16, 1922.
21	3		3	1	4	30	20	700			New mine; sank July, 1922.
22	7	1	8	1	9	193	432	200			
23	3		3	1	4	144	79	350			
24	4		4	1	5	104½	70				
25	3		3	1	4	220	36	110			Estimated.
26	2		2	1	3	100	69	30			
27	3	1	4	1	5	179	95	900			
28	10	1	11	1	12	215	1,000	1,750			
29	2		2	2	4	54	30	190			
30	4	3	7	1	8	80	66	825			New mine; began operating July, 1922.
31	7	2	9	2	11	61	150	700			Began operating July, 1922.
32	3		3	1	4	174	7	540			
33	2		2	1	3	105	78	300			
34	9		9	2	11	97	109	100			
35	4	1	5	1	6	156	240	950			

Mine Inspection Department.

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PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR DEEP MINES OF CHEROKEE COUNTY,  
FOR THE YEAR ENDING DECEMBER 31, 1922.—Continued.

Office No.	Employees.					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.	
36	3	1	4	1	5	130	79	50			
37	10	1	11	1	12	55	200	200			
38	3		3	1	4	204	165	800			
39	4		4	1	5	178	80	1,300			
40	5	1	6	1	7	137	289	190			
41	3		3		3	96	22	150			
42	3		3		3	18	15	50			
43	5	1	6	1	7	71	99	210			New mine; began operating November, 1922.
44	3		3	1	4	123	141	110			
45	15	8	23	2	25	216	20	300			
46	18	2	20	3	23	141	693	1,379			
47	3		3	1	4	105	83	50			
48		3	3	1	4	218	64	1,150			
49	4	1	5	1	6	130	100	10			
50	2		2	1	3	150	100	1,200			
51	5		5	1	6	175	12	600			
52	2		2	1	3	107	124	150			
53	13	2	15	1	16	288	1,700	4,000			
54	4	1	5	1	6	90	308	150			
55			4	1	5	153	201	90			
56	2		2	1	3	20	15	50			Abandoned January, 1922.
57	32	4	36	4	40	121	925	8,900			
58	6	2	8	1	9	230	450	2,500			
59	27	12	39	4	43	131	750	1,550			Leased from Russell Coal Co., July, 1922.
60	3		3	1	4	132	95	25			
61		2	2	1	3	70		600			
62	7		7	2	9	177	305	900			
63	3		3	1	4	127	70	100			
64	20	3	23	3	26	170	1,160	2,927			
65	3	1	4	1	5	180	80	650			
66	4		4	2	6	136	116	150			
67	3		3	1	4	110	70	100			
68	6	1	7	1	8	187	60	2,350		1	
69	3		3	1	4	160	190	300			
70			2	1	3	132	87	125			
71	6	1	7	1	8	106	66	2,500			

Continued on next page.

## State inspector of coal mines reports

KANSAS  
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72	54	20	74	7	81	118	2,066	10,441		2	No coal produced during 1922.
73	54	14	68	7	75	108	2,281	6,140	1		
74	18	7	25	7	70	108	1,420	1,420		1	Succeeded by Oberyau Coal Co., July, 1922.
75	3	1	4	1	5	155	74	800			
76	3	1	4	1	4	29	72	1,088			
77	29	6	35	4	16	129	156	75			Abandoned March 31, 1923.
78	2	2	4	2	3	205	77	280			
79	2	2	4	2	4	4	60	27			
80	2	2	4	2	7	117	420	600			
81	4	1	5	2	1	170	82	900			
82	14	2	16	1	17	170	82	700			
83	3	1	4	1	7	59 1/2	57	830			
84	5	1	6	1	10	169	500	2,000	1		
85	12	2	14	2	4	36 1/4	18				
86	2	2	4	2	2	24	25	35			
87	20	2	22	2	1	3	136	473			
88	2	2	4	2	3	45	9	80			
89	2	2	4	2	1	81 1/2	58	1,821			Operated from January 13, 1922, to March 16, 1923.
90	2	2	4	2	27	1	300	330			
91	4	1	5	2	7	100	150	300			Estimated.
92	6	1	7	2	7	122	150	1,000			Estimated.
93	6	1	7	2	1	166	300	1,500			
94	7	2	9	2	11	162	80	800			
95	3	1	4	1	7	122	150	1,000			
96	5	1	6	1	7	180	32	550			
97	61	23	114	5	123	141	38,636	57,620			
98	2	2	4	2	3	110	48	48			
99	3	2	5	1	4	125 1/2	3	400			
100	7	1	8	1	9	130	409	300		17	
101	2	2	4	2	3	180	180	425			
Totals	779	160	939	154	1,063	12,814 1/2	27,188	148,474	2	23	

*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, 1922 - CONTINUED.

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	Carbon Coal Co.	2			40,063	40,063
2	Carbon Coal Co.	4			17,780	17,780
3	Carbon Coal Co.	5			3,957	3,957
4	Carbon Coal Co.	6			8,959	8,959
5	Crabb Coal Co., C. A.				307	307
6	Crowe Coal Co.	22	4,505	12,780	4,907	21,892
7	Crowe Coal Co.	23	18,216	8,309	1,141	27,666
8	Dorsey Coal Co., O. C.		80		50	130
9	Fleming Coal Co.	3	413	6,779	774	7,966
10	Huckleberry Coal Co.		3,000			3,000
11	Huntsinger Coal Co.		5,462			5,462
12	Miller Coal Co.		1,630		100	1,630
13	Southern Kansas Coal Co.		1,553	2,888	1,900	5,741
14	Superior Coal & Mining Co.		3,683	6,488		9,571
	Total		37,642	37,244	79,207	154,093

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*Court of Industrial Relations.*



PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR STRIP MINES OF CHEROKEE COUNTY,  
FOR THE YEAR ENDING DECEMBER 31, 1922—Continued.

Office No.	Total number of men employed.	Number of days worked.	Explosives.		Accidents.		Remarks.
			Number of 25-pound bags of powder used.	Number of pounds of dynamite used.	Number of fatal accidents.	Number of nonfatal accidents.	
1	32	108	438	3,200	.....	1	.....
2	21	71	211	1,790	.....	.....	.....
3	20	10	33	400	.....	.....	.....
4	22	17	90	790	.....	.....	.....
5	6	39	12	10	.....	.....	.....
6	29	47½	211	1,880	.....	.....	.....
7	29	49½	940	6,337	.....	1	.....
8	8	23	2	2	.....	.....	.....
9	27	27	140	455	.....	.....	.....
10	5	160	50	100	.....	.....	.....
11	6	166	35	300	.....	.....	.....
12	15	56	25	300	.....	.....	.....
13	7	165	75	400	.....	.....	.....
14	31	20½	105	400	.....	.....	.....
Misc.	.....	.....	.....	.....	.....	.....	.....
	258	86	2,385	15,782	1	2	.....

Mine Inspection Department.

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PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR STRIP MINES OF CRAWFORD COUNTY,  
FOR THE YEAR ENDING DECEMBER 31, 1922.

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 & Mining Co.	1	2,428	6,047	1,389	9,864
2	Carbon Coal Co.	3			29,661	29,661
3	Carter-Cherokee Coal Co.		5,073	11,994		17,067
4	Central Coal & Coke Co.	112	1,215	2,182		3,397
5	Dean Coal & Mining Co.				1,380	1,380
6	Brundage & Long Coal Co.				3,500	3,500
7	Harmony Coal Co.				172	66,459
8	Litchfield Coal Co.		33,765	32,522		20,375
9	Mesquite Coal Co.				300	1,000
10	Midwest Coal Co.				34,009	53,423
11	Patton Coal & Mining Co.		524	279		19,170
12	Reliance Coal & Mining Co.		10,649	28,793	8,011	4,339
13	Republic Coal Co.		6,652	1,518		4,100
14	Wilson Bros. Coal & Mining Co.			247		
15	Reed & Adams Coal Co.				4,100	
	Total		68,805	83,732	106,889	259,446

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Count of Industrial Relations.

## State inspector of coal mines reports

PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR STRIP MINES OF CRAWFORD COUNTY.  
FOR THE YEAR ENDING DECEMBER 31, 1922--Continued.

Office No.	Total number of men employed.	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 nonfatal accidents.	
1	26	72	82	252			
2	32	124	322	2,450			
3	32	140	300	1,500			
4	26	30	50	200			
5							
6	8	160	100	1,300			
7	7	180	140	300			
8	60	113½	984	4,220			
9	28	110	445	1,500			
10	12	55	50	200			
11	34	122½	525	6,800			
12	38	183	880	1,500			
13	26	112	100	250			
14	8	44	89	125			
15	14	175					
Total.	351	116	4,266	20,357		7	

Mine Inspection Department.





PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR DEEP MINES OF LEAVENWORTH COUNTY,  
FOR THE YEAR ENDING DECEMBER 31, 1922.

Office No.	NAME OF COMPANY.	Mine number or name.	Production.			
			Number of tons of lump coal.	Number of tons of pit or slack coal.	Number of tons of mine run coal.	Total number of tons of coal produced.
1	Carr Coal Mining & Manufacturing Co.		12,309	2,876	6,640	21,825
2	Home Riverside Coal Mines Co.	1			45,323	45,323
3	Home Riverside Coal Mines Co.	2			36,647	36,647
4	Kansas State Penitentiary Mine		32,763	20,967	6,343	60,073
	Total		45,072	23,843	94,953	163,868

PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR DEEP MINES OF LEAVENWORTH COUNTY,  
FOR THE YEAR ENDING DECEMBER 31, 1922—Continued.

Office No.	Employees.					Number of days worked.	Explosives.		Accidents.		Remarks.
	Mine.	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 nonfatal accidents.	
1	107	31	138	23	161	109	405		1	Shut down Nov. 30, 1922.	
2	95	53	148	12	161	166	424				
3	106	24	130	16	146	150	429				
4	123	121	246	35	281	306	800				
Total	108	57	165	22	187	183	2,059		1		

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Count of Industrial Relations.



PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR DEEP MINES OF ORAGE COUNTY,  
FOR THE YEAR ENDING DECEMBER 31, 1922.

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	Bell Coal Co.		6,203			6,203
2	Cabell Coal Co.				2,122	2,122
3	Carlson Coal Co.	6	11,768			11,768
4	Carlson Coal Co.	7				
5	Carlson Coal Co.	30	6,719			6,719
6	Central Coal & Mining Co.		4,523			4,523
7	Coughlin Coal Co.		3,430			3,430
8	Ellis Coal Co.				7,160	7,160
9	Graustrom Coal Co.		1,342			1,342
10	Hardy Coal Co.		3,000			3,000
11	Kendricks Cooperative Coal Co.				500	500
12	Labor Exchange Coal Co.		2,733			2,733
13	Miller Coal Co.	8	4,783			4,783
14	Miners Fuel Co.		9,233			9,233
15	Moore & Nelson Coal Co.		217		458	675
16	Morgan Coal Co., Arta F.				288	288
17	Osage City Labor Exchange.		8,097			8,097
18	Segetquist Coal Co.		1,550			1,550
19	Shands Coal Co.		3,531			3,531
20	Strunk Coal Co.				1,437	1,437
21	Western Fuel Co.		4,678		1,562	6,240
22	Washington Coal Co.				1,500	1,500
23	Black Diamond Coal Co.				2,000	2,000
24	Trebble, Gilchrist & Tindell Coal Co.				3,500	3,500
Total			72,230		20,537	92,767

Mine Inspection Department.



PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR DEEP MINES OF OSAGE COUNTY,  
FOR THE YEAR ENDING DECEMBER 31, 1922--CONCLUDED.

Office No.	Employees.					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 nonfatal accidents.	
1	16	7	23	2	25	130		475			
2	9	5	14	1	15	89		205			Leased to Klondike Cooperative Coal Co., December 9, 1922.
3	27	12	39	3	42	250					No coal produced during entire year.
4											
5	29	8	37	2	39	180					
6	28	4	32	2	34	154		400		1	
7	24	3	27	1	28	92					
8	21	8	29	3	32	147					
9	6	1	7	1	8	140					
10	22	1	23	1	24	130				1	
11	12	10	22	1	23	17		50			Leased from Cahill Coal Co., December 9, 1922.
12	13	1	14	1	15	137		250			
13	25	2	27	2	29	118				1	
14	16	14	30	3	33	229					
15	5	1	6	1	7	100					
16		2	2	1	3	12		80			New mine, sinking completed December 13, 1922.
17	30	14	44	2	46	122					
18	5		5	1	6	92		17			
19	16	3	19	1	20	144					
20	9	2	11	1	12	108		225			
21	13	6	19	1	20	207		620			
22	9	1	10	1	11	130		300			Estimated.
23	6	1	7	1	8	150		100			Estimated.
24	20	3	23	1	24	175		300			Estimated.
Total.	361	109	470	34	504	133		3,022		3	

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*Court of Industrial Relations.*



PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR DEEP MINES OF LINN COUNTY,  
FOR THE YEAR ENDING DECEMBER 31, 1922.

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.				4,019	4,019
2	Davis-McMister Coal Co.				619	653
3	Douglas Coal Co.		1,967	3,091	8,077	12,735
4	East Side Coal Co.				1,000	1,000
5	Green Valley Mining Co.				7,000	7,000
6	Grennell Coal Co.				4,149	4,149
7	Hall Coal Co.		5,641			5,641
8	King Coal Co.				4,300	4,300
9	La Crosse Coal & Mining Co.				3,000	3,000
10	Linn County Coal Co.		7,703	8,321		16,026
11	Pleasanton Coal & Mining Co.		6,273	1,826	6,106	14,206
12	Reeves Coal Co., W. H.		300			300
13	Stanton Coal Co.				4,772	4,772
14	State Line Coal Co.				3,000	3,000
15	Van Kupp Coal Co.				2,300	2,300
16	Walshour Coal Co.				10,117	10,117
	Totals		21,830	13,854	58,559	94,242

Mine Inspection Department.

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PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES USED, AND ACCIDENTS FOR DEEP MINES OF LINN COUNTY,  
FOR THE YEAR ENDING DECEMBER 31, 1922--Continued.

Office No.	Employees.					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 nonfatal accidents.	
1	6	2	8	1	9	263	279	100			
2	3	1	4	2	6	90	34	100			
3	14	10	24	4	28	241½	1,417	3,752			New mine; began operating July, 1922.
4	3		3	1	4	160	100	50			Estimated.
5	10		11	1	12	165	500	600			Estimated.
6	10	1	11	1	12	87	332	150			Succeeded by Van Kupp Coal Co., July, 1922.
7	6	3	9	2	11	140	325				Listed last year as Kinser Coal Co.
8	25		25	5	30	140	100				Listed last year as American Eagle Coal Co.
9	7	1	8	2	10	125	684	2,815			Estimated. Listed last year as Kaw Valley Coal & Mining Co.
10	23	7	30	5	35	170	500	200			
11	16	9	25	3	28	256	300	660			
12	2		2	1	3	100	29	200			
13	6	2	8	1	9	235	437	85	1		
14	7	2	9		9	160	135	400			
15	10	1	11	1	12	77	220	600			
16	36	4	40	3	43	181	936	559			Successor to Gremmell Coal Co., July, 1922.
Totals.	184	44	228	33	261	2,384	6,339	10,171		1	

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Count of Industrial Relations.

## State inspector of coal mines reports

COAL PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES, ACCIDENTS, AVERAGE DEPTH OF MINES, AND AVERAGE HEIGHT OF COAL,  
BY COUNTIES FOR KANSAS, FOR THE YEAR ENDING DECEMBER 31, 1922.

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) .....	475,127	718,512	965,487	2,159,126	61.37	5,011	1,172	6,183	339	6,722	69.81
Crawford (strip mines) .....	68,905	83,732	109,889	259,446	7.37				351	351	3.65
Cherokee (deep mines) .....	63,763	43,423	283,485	394,671	11.22	779	160	939	154	1,093	11.36
Cherokee (strip mines) .....	37,642	37,244	79,207	154,093	4.58				258	258	2.68
Leavenworth (deep mines) .....	45,072	25,945	94,503	165,520	4.85	108	57	165	22	187	1.94
Osage (deep mines) .....	72,230		20,357	92,787	2.64	361	109	470	34	504	5.24
Lin (deep mines) .....	21,829	13,854	38,530	94,212	2.67	184	44	228	33	261	2.71
Miscellaneous mines* .....			300,000	300,000	8.69	330	25	355	23	378	3.93
<b>Totals .....</b>	<b>786,478</b>	<b>920,628</b>	<b>1,811,127</b>	<b>3,518,233</b>	<b>100%</b>	<b>6,643</b>	<b>1,567</b>	<b>8,210</b>	<b>1,416</b>	<b>9,626</b>	<b>100%</b>

\* This includes mines in other counties, and small mines not reporting to Mine Inspection Department.

Mine Inspection Department.



COAL PRODUCTION, EMPLOYEES, DAYS WORKED, EXPLOSIVES, ACCIDENTS, AVERAGE DEPTH OF MINES, AND AVERAGE HEIGHT OF COAL,  
BY COUNTIES FOR KANSAS, FOR THE YEAR ENDING DECEMBER 31, 1922—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.			Nonfatal.					
		Number of 25-pound kegs.	Percentage of total powder used in state.	Number of pounds.	Percentage of total dynamite used in state.	No.	Percentage of total number of accidents.	Number of tons of coal produced per accident.	No.	Percentage of total number of accidents.	Number of tons of coal produced per accident.		Feet.	Inches.
Crawford (deep mines).....	137	164,273	79.39	1,700,640	89.17	5	55.66	431,825	581	94.61	3,716	79	3	.....
Crawford (strip mines).....	116	4,266	2.06	20,357	1.07	.....	.....	.....	7	1.14	37,064	2	4	.....
Cherokee (deep mines).....	188	27,138	13.13	148,174	7.76	2	22.22	197,335	23	3.73	17,159	42	3	6
Cherokee (strip mines).....	86	2,385	1.15	15,782	.83	1	11.11	154,063	2	.32	77,046	2	8	.....
Leavenworth (deep mines).....	183	.....	.....	2,050	.11	.....	.....	.....	1	.16	153,908	718	1	10
Osage (deep mines).....	133	.....	.....	3,022	.16	.....	.....	.....	3	.48	30,929	76	1	5
Linn (deep mines).....	178	6,359	3.07	10,171	.53	.....	.....	.....	1	.16	94,252	72	2	9
Miscellaneous mines*.....	140	2,500	1.21	7,000	.37	1	11.11	200,000	.....	.....	.....	.....	.....	.....
Totals.....	129	206,901	100%	1,907,205	100%	9	100%	390,915	618	100%	5,693	197	2	6

\* This includes mines in other counties, and small mines not reporting to Mine Inspection Department.

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### FATAL ACCIDENTS.

FOR THE YEAR ENDING, DECEMBER 31, 1922.

1. (Investigated by White.) PATRICK DUNNIGAN, motorman, was killed at Mine No. 7 of the Pete Russell Coal Company on January 12, 1922, at about 11:15 a. m. From the evidence obtained on the investigation of this accident by Deputy Inspector White, it appears that one of the pit mules had been taken out to the bottom, and another mule was sent down from the top to take its place, and started into the inside. When the mule that had been taken out got to the bottom, it started back inside, and Mike Gallagher, an employee at this mine, started in ahead of the motor to drive the mules in. The motorman had lost some cars on his trip coming out, and Gallagher presumed he would bring the motor back in without any cars, but he brought a trip of empties back in with him, intending to push the lost loads back to the parting. When the motor overtook Gallagher he got into the first car and crawled back to the back car. After they had gone a short distance he felt a jar, and looking up he saw one of the mules on the front of the motor. The motor stopped just an instant, and started up again, and the mule got to one side of the motor. The motor went on for some distance and stopped again. Gallagher started towards the motor, and found Dunnigan lying on one side of the track, not caught in any way, but he was dead. One of the mules was standing up in the first car and the other mule was under the motor. Gallagher went in to the parting and got Abe Skeith, the mine foreman, and three drivers, and they came back to the scene of the accident and put the body of Dunnigan in an empty car and got the motor off the mule, and took Dunnigan's body out of the mine. It seems that Dunnigan must have gotten on top of the motor when it struck the first mule, and was caught between the motor and the roof, as there was a space of only 7 inches between the motor and the roof at that point.

2. (Investigated by White.) ANDY JOHNSON, coal shooter, at mine No. 23 of the Crowe Coal Company, a steam-shovel strip pit, was injured at that mine on February 14, 1922, at about 10 a. m., by a premature explosion of powder, and died as a result of his injuries on Tuesday, February 28, 1922. He was injured while loading a shot hole with black powder. The shot had previously been sprung with dynamite, and in some unknown manner the powder was ignited, either by some fire in the hole or by a spark from the engine of the shovel, as the shot was drilled close to the shovel. Deputy Inspector White recommended that the shovel be stopped while the shooting is being done, which they said was usually done.

3. (Investigated by Glennon and Keegan.) FRANK PODBREGAR, a miner, was instantly killed by a fall of rock in mine No. 45 of the Central Coal and Coke Company, on Tuesday, March 14, 1922. The accident happened in the fourth working room in the eighth south back entry on the west side of the mine. The rock which fell on him was a huge rock, measuring 21 feet 10 inches long, 9 feet 8 inches wide at the widest point, 4 feet 10 inches wide at the north end and 8 feet wide at the south end. The rock averaged about 18 inches in thickness and would weigh approximately 16½ tons. Podbregar was caught under the north end of the rock. There were two props set together, 7 feet 5 inches back from the face, at the north end of the rock. There were 10 props in position, and 8 props that had been set by the men who took him out from under the rock. His room was 23 feet wide at the face, and he was 28 feet 7 inches inside of a horseback. This horseback was 48 feet from his switch, making his room driven up a distance of 76 feet 7 inches. We were accompanied on the investigation of this accident by W. C. Ernhart, superintendent; William Scott, mine foreman; J. L. Thomas, Frank Burnett, Gus Dirks, and John Mast.

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4. (Investigated by White.) WILLIAM PLATTS, Jr., a miner, was fatally injured by a fall of rock in mine No. 1 of the Mike Simone Coal Company, at about 2:30 p. m., July 1, 1922, and died that evening. The accident happened in room 4 off the main south. The rock was 8 feet long, 4 feet 6 inches wide and about 6 inches thick. The rock fell while he was loading a car, and broke off from a bunch of 6 props about 4 feet from the face, on the side of the track on the left rib, and two props within 4 feet of the right rib and within 12 feet of a fall in an old room. His place was 12 feet wide. He was taken to his home in Weir and was attended by Doctor McClellan, of Weir. His place was well timbered; there were 13 props and several cap pieces in the place. The coal was 4 feet high.

5. (Investigated by Glennon.) LOUIS LANARI, a miner, was killed by a fall of rock in mine No. 1 of the Doubleday Coal Company, at about 12:30 p. m., July 3, 1922. The accident happened at the face of the eighth east straight entry on the south side of the mine, which entry was worked by Lanari. The rock was 7 feet long, 3 feet wide on the outside end, 5 feet wide in the center, and 4 feet wide on the inside end. The rock was 16 inches thick about half-way throughout its length, and tapered out to about 4 inches thick from the center to the inside end. The brushing was 11 feet back from the face, and it was 4 feet from the face to the inside edge of the rock. The rock was cut by a slip angling across on the left rib, and one on the side of the roadway, just about over the right-hand rail and running with the entry. The slip on the rib was crossing at about a 60-degree angle. He had cut a horseback 11 feet back from the face and had started to widen out. The entry was in 6-foot work, but he had started a crosscut inside of the horseback. There were no props set, but there were 8 props and 8 cap pieces lying in the place. The coal was 3 feet high where he had started the crosscut and 2 feet 10½ inches high on the left rib. The props were 2 feet 8 inches long. He had a V-shaped hole shot out where he started the crosscut.

6. ED JACKSON, a miner, was killed by a fall of rock in a small mine he was operating near Pomona, in Franklin county, Kansas, on Friday, September 22, 1922. Deputy Inspector Glennon went to Franklin county a few days after the accident, but could not get to the mine. Mr. Jackson had been a miner around Mulberry, Kan., for several years, and during the strike went to Franklin county and began operating the mine at which he was killed.

7. (Investigated by Sherwood.) ERNEST BROADHURST, a mine operator, was killed by a fall of rock at a mine he was operating, known as the Broadhurst Coal Company mine, located one and one-half miles east of Frontenac, Kan., on Thursday, October 5, 1922, at about 9:30 a. m. Deputy Inspector Glennon and P. E. Keegan, clerk, went to the mine soon after the accident happened and could not find anyone at the mine. Deputy Inspector Gilday went to the mine later the same day and could not find anyone at the mine. State Mine Inspector Sherwood went to the mine on Monday, October 9, 1922, and made an investigation of the accident. The shaft had just been sunk and the sump had not yet been made. They had just broken away from the shaft a short distance. The accident happened on the west side of the shaft bottom. The rock was 8 feet long, 5 feet wide on the inside end, and 4 feet wide on the outside end, and was about 4 inches thick. A slip crossed the place, giving the rock two loose ends. The rock probably fell without warning, as the shaft was wet and the water undoubtedly loosened the rock. The rock fall occurred 10 feet from the face.

8. (Investigated by Sherwood, Glennon and Keegan.) BARNEY FORNELLI, a miner, was killed by a fall of rock at mine No. 1 of the R. & M. Coal Company, on Tuesday, November 14, 1922, at about 11:10 a. m. Sherwood, Glennon and Keegan arrived at the mine shortly after the body had been brought out of the mine. Geo. B. Dinneen, inspector for the Associated Companies, was in the mine at the time the accident occurred, and he and Doctor Conley, of Pittsburg, worked with Fornelli until Doctor Conley pronounced him dead. His back was broken and he was mashed internally. The accident occurred in

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the cut-off of the straight north off the west in a room pillar between rooms Nos. 4 and 5, which pillar was being worked by Barney Fornelli and his brother, Mike Fornelli. The rock fell off the edge of the brushing, and measured 16 feet 4 inches in length. The rock was almost uniform in thickness, being 13 inches thick, and was 27 inches wide in the middle, 20 inches wide at the inside end, and came to a point at the outside end. Barney Fornelli was on his knees shoveling at the time the rock fell, and Mike Fornelli was shoveling into the same car, and barely escaped being caught by the rock. There were no props set under the rock, but there were three props set about 6 inches from where the rock broke off. The coal measured from 3 feet 5 inches to 3 feet 7 inches in height. There were five props in the place, and all but one were too long. The props lying in the place measured as follows: one 3 feet 6 inches long, one 4 feet 5 inches long, and three 4 feet 4 inches long. There were three cap pieces in the place. George Mertz, the mine foreman, testified that the men were always supplied with props when ordered of the driver, but Mike Fornelli testified that he had to go to another part of the mine and carry the props into his place that he had set up. Tony Dellabetta pulled Fornelli out from under the rock while Mike Fornelli and Louis Metzner held the rock up. Fornelli was 25 years of age. He lived in Chicopee and leaves a wife and an infant child.

9. (Investigated by Glennon and Keegan.) MARK G. TIMMONS, a miner, was killed by a fall of rock at mine No. 4 of the Patton Coal and Mining company on Tuesday, November 14, 1922, at about 12:35 p. m. The accident occurred in the second room from the face of the first south back entry on the west side. The rock was a circular-shaped pot rock, measuring about 7 feet 6 inches in diameter, and was 16 inches thick in the center, tapering to a feather-edge all around. The fall occurred in about the middle of the place, right at the face. The room was 15 feet 3 inches wide at the face, and it was 37 feet 3 inches from his switch to the outside edge of the rock. There were three props in position, 9 feet 7 inches from the face, and there were two 3-foot 4-inch props, sixteen 3-foot 6-inch props, and 25 cap pieces lying in the place. A pit car was standing just outby the rock. No one working around Timmons heard the rock fall, and the accident was not discovered until the driver came into his place. In my opinion, this would be considered an unforeseen accident, and one that might happen to any miner.

### NONFATAL ACCIDENTS.

#### JANUARY.

##### *Carbon Coal Company, Mine No. 2 (Shovel).*

1. (Investigated by White.) Joe Schoff, coal shooter, was burned about the face, hands and arms while preparing a shot on the coal face. From the evidence obtained it was learned that he had sprung a hole in a body of coal and had poured in a quantity of black powder and was reaching for his tamping bar, when a spark from the smokestack of the loader fell over the hole, igniting the powder, causing the accident. They use every possible precaution at this shovel to prevent accidents of this kind, by shutting down the loader when the wind is blowing from the boiler towards the shot, but the wind twisted around, causing the spark to ignite the powder. The accident happened January 30, 1922.

##### *Central Coal and Coke Company, Mine No. 45.*

2. William J. Meek, boss driver; foot mashed, caught between car and door; January 10, 1922.

3. E. W. Edmonds, driver; cars jumped track and caught him between them; January 17, 1922.





*Central Coal and Coke Company, Mine No. 48.*

4. S. L. Worley, timberman; big toe of left foot injured by car; January 19, 1922.

*Central Coal and Coke Company, Mine No. 49.*

5. Lawrence Trout, miner; ran piece of steel in thumb of left hand; January 18, 1922.

6. Earl Mullikin, tailer; caught between two cars; January 28, 1922.

*Central Coal and Coke Company, Mine No. 51.*

7. Geo. Rankin, miner; right foot bruised by fall of coal; January 19, 1922.

8. Earl Mays, cager; ruptured by lifting car of rock on track; January 28, 1922.

*Howe Coal Company, Mine No. 9.*

9. Joe Bell, miner; left hip and shoulder burned by running into steam pipe; January 31, 1922.

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

10. (Investigated by Glennon and Keegan.) August Schneider, miner, was seriously injured by a fall of rock on Friday, January 13, 1922, at about 8:30 a.m. The rock was 13 feet 6 inches long, 10 feet 6 inches wide in the middle, 10 feet 3 inches wide on one end, 4 feet 6 inches wide on the other end, and was from 8 inches to 1 foot thick. The rock would weigh nearly six tons. The rock fell in the center of the roadway, 59 feet back from the face and 27 feet from the switch. There was a slip along the outside edge of the rock, and the nearest props in position were 8 feet from this slip. The room was 13 feet 3 inches wide at the outside edge of the rock, 25 feet wide at the inside edge of the rock, and 30 feet wide at the face. The coal was 3 feet high where the rock fell. There was one prop set on the right-hand side of the track, 8 feet from the slip. There were seven 3-foot props and 4 cap pieces lying near the rock, in addition to a number of props lying in the gob. There were three props set outside of the rock. This was an unforeseen accident and one that might happen to anyone.

11. B. J. Watson, driver; foot sprained and bruised, pinched by car; January 19, 1922.

12. James Fisher, miner; left hand fractured by fall of coal in room; January 24, 1922.

*Katy Coal Company, Mine No. 2.*

13. William Lightholder, miner; hit in eye by a piece of coal while mining a shot; January 31, 1922.

*Pittsburg Coal Company, Mine No. 3.*

14. (Investigated by Gilday.) Carlo Reggo, miner, was injured by a fall of rock on January 24, at about 9:30 o'clock a.m. He was at work in his place, room 16 in the first south back entry off the east. The place is in about 35 feet. He had cut a horseback 8 feet from the face. On the right-hand side of the place there is a slip and on the left-hand side he had stripped the horseback, which caused the fall. The rock fell from rib to rib, and was 7 feet 9 inches by 7 feet 5 inches, and from 6 inches to 11 inches thick. He had some loose coal in his place which held part of the weight of the rock off him, and undoubtedly saved him from being crushed to death. His right arm was broken in two places above the elbow, and his legs and body were badly bruised.

*Robinson Coal Company, (John, Jr.).*

15. (Investigated by White.) Joe Bushnell was injured at the above mine on January 26, 1922, at 11:50 a.m. He had gotten on top of a car of coal on the cage. The engineer, not knowing Bushnell was on the car, started to hoist

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the cage. The rope is a three-way rope, and Bushnell, while in the shaft, caught hold of the feed rope and got his left hand caught in the wheel on top of the cage, cutting off the little finger of his left hand. He also got his right hand caught, cutting off three fingers of his right hand. As soon as Bushnell hollered, the engineer stopped the cage, which was near the ground landing, and Bushnell stepped off the cage. At the time of Mr. White's investigation the company had enclosed the wheel on top of the cage, to prevent future accidents of this kind.

#### *Western Coal and Mining Company, Mine No. 14.*

16. (Investigated by White.) Midas Lenne, fireman, was injured on January 28, 1922. He was cut on the head, burned on left side and bruised on the hip. There was about 100 pounds of steam pressure on the boiler, and Lenne, in operating the valve, opened it wide, and the sudden pressure burst the "L," blowing the steam and water against the wall of the middle boiler. The engineer, C. C. Bates, stated that he had repeatedly told Lenne to be careful when opening the valve to open it gradually, and avoid danger of bursting the pipe running from the valve outside the boiler room.

#### *Western Coal and Mining Company, Mine No. 15.*

17. James Tomany, minor; sprained back; crank slipped off thread bar; January 25, 1922.

18. Jack Griffin, motor helper; hips bruised, right knee, elbow and back injured, by derailment; January 31, 1922.

#### *Western Coal and Mining Company, Mine No. 21.*

19. Francis Fern, jr., driver; kicked in stomach by mule; January 7, 1922.  
20. Elmer Cunningham, blacksmith; piece of steel in left eye; January 18, 1922.

21. Dan Ryan, miner; blister on hand, becoming infected, had to be lanced; January 20, 1922.

22. John Gallagher, miner; piece of coal in right eye; January 21, 1922.

23. H. C. Snodgrass, miner; head and left leg injured by fall of rock; January 26, 1922.

#### *Wear Coal Company, Mine No. 21.*

24. Bert Lance, boss driver; injured internally by track tie slipping; January 26, 1922.

25. W. L. Delaney, driver; right foot sprained; caught by trip; January 31, 1922.

### FEBRUARY.

#### *Central Coal and Coke Company, Mine No. 48.*

26. Joe Stener, driver; car ran up on foot, bruising same, February 15, 1922.

27. E. L. McGuire, miner; was mining shot, and struck pick in left foot; February 23, 1923.

28. Ralph Walker, miner; bruised left leg; February 27, 1922.

#### *Central Coal and Coke Company, Mine No. 49.*

29. Frank Demair, sr., miner; loading car and wrenched back; February 1, 1922.

30. William Dance, motorman; trip jumped track and bruised both his legs; February 2, 1922.

31. Stanley Peterson, cager; cleaning turntable and caught first finger of right hand, mashing same; February 9, 1922.

32. Chas. E. Montee, miner; hit on nose by small piece of rock; February 9, 1922.

33. Frank Meadel, driver; car jumped track and caught his finger between car and rib; February 9, 1922.





- 34. Wm. Jones, miner; small piece of rock fell on his hand; middle finger on left hand mashed; February 11, 1922.
- 35. David Montee, miner; car jumped track and caught little finger of right hand between car and top, bruising same; February 13, 1922.
- 36. Walter Williamson, spragger; stepped in front of loads, bruising right foot; February 23, 1922.
- 37. Chas. H. Dunston, engineer; caught by belt of engine, bruising left shoulder, back and legs; February 26, 1922.

*Central Coal and Coke Company, Mine No. 51.*

- 38. Mack O'Reily, miner; cutting coal and bruised left hand; February 2, 1922.
- 39. Ivor Zimmerman, miner; was digging up bottom when a piece of rock struck him in eye; February 8, 1922.
- 40. Carl Kelly, miner; was mining shot and stuck pick in his foot; February 8, 1922.
- 41. Ed Brooks, miner; dropped loads on bottom and wrenched left shoulder; February 14, 1922.
- 42. Thomas Storey, blacksmith helper; caught hand in belt while soaping it; bone broken in right hand; February 17, 1922.
- 43. Bryan Zurek, miner; while pushing car, foot slipped and bruised leg and knee; February 21, 1922.
- 44. Frank Simoneic, miner; while loading rock, piece fell on right foot, bruising same; February 23, 1922.

*Howe Coal Company, Mine No. 9.*

- 45. F. Winningham, miner; first finger on left hand caught between cars and broken; February 21, 1922.

*Hamilton Coal and Mercantile Company, Mine No. 9.*

- 46. (Investigated by White.) V. C. Majors, shot-firer, was burned on February 9, 1922, in the first north back entry off the first east. There were no indications of disturbance, but there was evidently a great deal of fire, as the fire caught Majors about 20 feet from the doghole in this back entry. His buddy was in the doghole, and they put on the breathing apparatus and went to the bottom, where his buddy left him, and went on top and got blankets and first-aid supplies and took him on top. He was taken from there to Mt. Carmel hospital. There was a shot in the second room from the face, which apparently had been overcharged with black powder, and the indications were that the fire came from this shot.

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

- 47. B. Billiard, miner; cut left hand with pick; February 22, 1922.

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

- 48. Harry Andrews, miner; left hand bruised and fractured by fall of rock; February 3, 1922.
- 49. Pat Devine, miner; left leg bruised by fall of coal; February 7, 1922.
- 50. Hugh Friel, miner; left leg bruised by fall of rock; February 14, 1922.
- 51. James Devine, miner; right eye cut by piece of sulphur; February 15, 1922.

*Katy Coal Company, Mine No. 2.*

- 52. A. Moore, miner; leg bruised by fall of rock; February 1, 1922.
- 53. Louis Wise, driver; left hand caught by tail-chain hook; February 17, 1922.

*Morgan Spur Coal Company, Mine No. 1.*

- 54. (Investigated by Sherwood.) Ed Ingles, miner, was injured by a fall of rock on February 6, 1922, at about 8:45 a. m. The accident happened in the first room off the east entry, the room being up its distance. The accident



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was caused by a fall of draw slate near the face. The rock that lay on him when found was 3 feet 7 inches long, 3 feet 4 inches wide and 2 inches thick, but the draw slate had fallen all the way in to the face, about the same thickness. There were two rows of props about 12 feet from the face. This accident could probably have been prevented had props and good cap pieces been set close to the face. His pelvic bone was broken.

*Pittsburg Coal Company, Mine No. 3.*

55 and 56. (Investigated by Sherwood, Glennon and Keegan.) John McCabe and Louis Caput, shot-firers, were injured by an explosion at the above mine on February 2, 1922. (See details under heading of explosions.)

*Western Coal and Mining Company, Mine No. 13.*

- 57. W. L. Davis, miner; sprained his wrist grabbing hold of car; February 2, 1922.
- 58. Jacob Sikle, miner; fell against car and injured left side and chest; February 21, 1922.
- 59. Joe Papish, miner; instep of right foot sprained; February 22, 1922.
- 60. Jess Wade, driver; got dirt in both eyes; February 27, 1922.

*Western Coal and Mining Company, Mine No. 15.*

- 61. Frank Potochnek, miner; sulphur in right eye; February —, 1922.
- 62. John Shriver, miner; right foot sprained; February —, 1922.
- 63. A. Gamble, miner; fell on bucket and bruised left side and breast; February 2, 1922.
- 64. Merle Beam, miner; left hand bruised; February 6, 1922.
- 65. Jule Jillett, driver; hurt two ribs on left side; February 8, 1922.
- 66. C. A. Myers, miner; right knee bruised by piece of coal; February 10, 1922.
- 67. Anthony Barnard, miner; bruised palm of right hand while pushing a loaded car; February 10, 1922.
- 68. Albert Holeman, spragger; palm of left hand cut while uncoupling cars; February 13, 1922.
- 69. Alex Fruit, miner; bruised palm of left hand while lifting a car on the track; February 16, 1922.
- 70. J. W. Ritterbach, laborer; right eye bruised; February 20, 1922.
- 71. Thomas Draper, miner; laceration of forehead by fall of rock; February 21, 1922.
- 72. Nolan Wright, miner; left leg burned by steam; February 23, 1922.
- 73. Geo. Dibble, miner; infection of right ear; February 27, 1922.

*Western Coal and Mining Company, Mine No. 18.*

- 74. Tony Marelli, blacksmith; right leg and ankle bruised; February 12, 1922.
- 75. Frank Drole, cager; finger caught between car hook and motor chain, bruising same; February 15, 1922.
- 76. Joe Sarout, miner; finger bruised; caught between car and rail; February 28, 1922.

*Western Coal and Mining Company, Mine No. 20.*

- 77. Clifford Smith, miner; left hand cut by nail; February —, 1922.
- 78. John Citron, miner, right hand bruised, February 8, 1922.
- 79. A. Reeves, miner, forehead and left arm burned, account lighting gas, February 10, 1922.
- 80. James O'Malley, miner; right arm injured by fall of coal; February 14, 1922.
- 81. Ed Smith, shot-firer; sore lungs, caused by putting too much powder in shot; February 15, 1922.



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- 82. C. A. Barnes, miner; left ankle bruised by fall of coal; February 16, 1922.
- 83. Sam Carvella, miner; slipped and hurt his head; February 29, 1922.
- 84. George Bell, driver; sprained back by lifting car on track; February 21, 1922.
- 85. Tom Stephen, miner; left foot bruised by fall of coal; February 21, 1922.
- 86. Vic Loth, day man; back bruised by fall of rock; February 27, 1922.

*Wear Coal Company, Mine No. 21.*

- 87. Frank Kuss, miner; left side bruised by fall of rock; February 8, 1922.
- 88. Pete Brookbanks, driver; finger bruised while coupling cars; February 11, 1922.

MARCH.

*Brundage & Long Coal Company (Strip Pit).*

89. (Investigated by White.) Emerson Green and Emery Seaton were injured at the above mine on March 21, 1922, at about 3:30 p. m., by a blast of powder. They had drilled a hole in the embankment of the strip pit and emptied two kegs of black powder into the hole. They then put a cap in one stick of dynamite with about two feet of fuse, which they lit and dropped into the hole. The shot went off before they had time to get away from the hole, and knocked Green about 40 feet southeast of the hole and knocked Seaton about 20 feet northeast of the hole.

*Central Coal and Coke Company, Mine No. 45.*

- 90. Frank Snider, miner; foot caught under car; March 20, 1922.
- 91. J. P. Francott, top boss; caught while fixing shaker, causing flesh wound; March 20, 1922.
- 92. D. Lehane, miner; pushing a car and slipped, slightly bruising knee; March 21, 1922.
- 93. James Kellogg, driver; leg bruised; caught between cars; March 23, 1922.
- 94. Joe Marlez, miner; finger mashed by piece of coal; March 23, 1922.
- 95. Alex McAllister, shot-firer, was shooting in the angle south, when a piece of rock flew from brushing shot and hit him, causing flesh wound on calf of left leg; March 28, 1922.

*Central Coal and Coke Company, Mine No. 48.*

- 96. S. L. Worley, timberman; rock cut little finger of right hand; March 2, 1922.
- 97. (Investigated by Glennon.) E. L. McGuire was injured by a trip on March 7, 1922, at about 2:30 p. m. He had been driving extra, but the day he was injured was his first day steady driving. He was coming down the hill in the first east straight entry and the tail chain became unhooked. The mule was about 10 feet ahead of the trip. He got off the trip to catch the mule and stepped on something that caught his heel and threw him against the rib. The cars ran upon him, bruising him about the body.
- 98. Fred Endicott, miner; bruised hand while cutting with pick; March 10, 1922.
- 99. Isaac Lane, miner; arms and face burned by gas; March 15, 1922.
- 100. Carl Roschay, blacksmith; lifting car on track, sprained his back; March 17, 1922.

*Central Coal and Coke Company, Mine No. 49.*

- 101. John Mayberry, miner; left arm and back of left hand bruised by fall of rock; March 8, 1922.
- 102. Frank Demair, shot-firer; claims windy shot threw him against something and bruised his side slightly; March 22, 1922.
- 103. Chas. Prideaux, miner; muscles of right shoulder bruised by fall of roll; March 31, 1922.