

4767	Young, John, Tucson, Ariz.	7139	Ziepprecht, Carl W., Dubuque.
4858	Yager, Chas. W., Center Point.	7186	Zender, M. J., Omaha, Neb.
6234	Young, C. W., Isabel, S. D.	7364	Zastera, Frank, Cedar Rapids.
6265	Young, C. B., Kansas City.	7450	Zimmerman, Julius, Kelley.
6353	York, T. E., Creston.	7541	Zergen, Geo. F., Holywood, Kan.
6793	Young, Charles R., Toledo.	8189	Zinn, Edgar, Fort Dodge.
7185	Yocom, Wm. W., Marion.	8218	Zimmerman, Wm., Cedar Rapids.
7733	Young, Ralph R., St. Louis, Mo.	8489	Zopf, Peter, Jr., Waterloo.
9264	Yarnell, Elmer, Des Moines.	8791	Zastera, Joseph V., Cedar Rapids.
9708	Youngerman, Juliette Potter, Des Moines.	8853	Zender, Chas. H., Cresco.
10385	Young, Geo. W., Rock Island, Ill.	8901	Zastera, Chas. H., Cedar Rapids.
10471	Young, Stephen K., Centerville.	9265	Zopf, Geo. J., Onalaska, Wash.
Z			
5718	Zilling, John A., Dubuque.	10271	Zopf, Louis C., Iowa City.
6130	Zimmerman, Chas. F., Des Moines.	10291	Zahrndt, Earl L., Elkader.
6355	Zeiger, Frank W., Garner.	10338	Zimmerman, Carl, Des Moines.
6447	Zimmerman, Joe Jacob, Coffee Creek, Mont.	10398	Zimmer, Milton J., Rock Island, Ill.
6640	Zimmerman, W. J., Des Moines.	10473	Zarnow, Herman S., Des Moines.
7067	Zimmerman, Chas. J., Waterloo.	10507	Zinser, Alfrieda, Sioux City.

State of Iowa

1930

REPORT OF THE

State Mine Inspector

FOR THE

Biennial Period Ending December 31, 1929

INSPECTORS

W. E. HOLLAND, Centerville, Iowa

R. T. RHYS, Ottumwa, Iowa

EDWARD SWEENEY, Des Moines, Iowa

W. A. SCHECK, Secretary, Des Moines, Iowa

Published by
THE STATE OF IOWA
Des Moines

REPORT OF THE
LETTER OF TRANSMITTAL

HON. JOHN HAMMILL, *Governor of Iowa.*

Sir: We have the honor to submit herewith, for your consideration and approval, our report of mining conditions in the State of Iowa for the biennial period covering the calendar year 1928 and 1929.

Very respectfully submitted,

W. E. HOLLAND,
R. T. RHYS,
EDWARD SWEENEY,
Iowa Mine Inspectors.

Des Moines, Iowa, April, 1930

REPORT OF IOWA MINE INSPECTORS

During the biennium ending December 31st, 1929, the total production of coal in Iowa was 8,096,558 tons, which is an increase of 260,514 tons over the preceeding biennium.

In over forty years the production of coal in our state reached its lowest stage in 1927. Since that year the production has steadily increased, and from all indications it will continue to increase until a normal out-put is again reached within our borders. This upward trend of production may be justly ascribed to the mutual efforts of the operators and miners to produce clean coal, and to the successful campaign, aided by Governor John Hammill and a large number of prominent business and professional men of our state, to increase the sale of Iowa coal.

In the later part of 1925, Governor Hammill, appointed a commission known as "The Agricultural and Industrial Commission of Iowa" of which Judge Frederick F. Faville, was chairman. This commission devoted particular attention to the production and sale of Iowa coal, and its conclusions did much to remove some of the prejudice that existed against our home product. The commission reported "That Iowa coal may be used, except only where a high sulphur content is prejudicial to the commodity being manufactured, with equal efficiency and greater economy than the imported commodity." It also reported "That the prevalent idea that Iowa coal is pecuniary liable to spontaneous combustion is mythical."

On July 30th, 1929, the Commercial Club of Albia, initiated a movement for the purpose of forming an organization to promote the sale of Iowa coal. In order to aid and to give impetus to the above movement Governor Hammill invited mining and business men, and all others interested, to meet at Des Moines, on August 13th, 1929. Over two hundred persons attended this meeting, and after various phases of the coal industry in our state was discussed by several prominent men, a committee was appointed by the Governor to confer with the committee selected by the Commercial Club of Albia, and as a result of the joint conference of these two groups a permanent organization was formed, known as "The Iowa Coal Institute." The Institute inaugurated an extensive campaign to acquaint the people of our state with the true merits and of the economy of using Iowa coal. The good results therefrom were much greater than it was thought possible to achieve in the short

REPORT IOWA MINE INSPECTORS

TONS OF DIFFERENT KINDS OF COAL MINED IN IOWA 1928-1929

Districts	Number of tons prepared for shipment	Number of tons of run of mine coal produced	Number of tons of slack coal produced	Total number of tons of coal produced
First District	538,916	401,237	56,087	996,240
Second District	329,040	736,565	246,875	1,312,480
Third District	675,732	433,942	341,131	1,450,805
Totals	1,543,688	1,571,744	644,093	3,759,525

1929

First District	555,322	641,445	54,068	1,250,835
Second District	369,427	767,221	236,760	1,373,408
Third District	846,825	370,589	474,756	1,692,170
Totals	1,771,574	1,779,255	765,184	4,315,913

ACCIDENTS RELATING TO TONNAGE

Showing Tonnage of Iowa Mines, Accidents and Employees for Period of Thirty-four Years

Years	Number of Fatal Accidents	Tons of Coal Produced	Tons of Coal Per Accident	Number of Employees	Fatality Rate Per 1,000 Employees
1896	22	3,525,490	160,254	11,451	1.9
1897	21	3,769,734	180,464	11,678	1.8
1898	26	4,587,722	176,451	10,550	2.5
1899	30	4,949,510	164,983	11,029	2.7
1900	29	5,117,285	176,458	13,041	2.2
1901	27	5,441,863	201,550	13,175	2.0
1902	55	5,514,806	100,253	12,002	4.6
1903	21	6,155,734	294,550	13,192	1.6
1904	31	6,214,379	200,464	16,915	1.8
1905	24	6,806,011	283,584	17,624	1.4
1906	27	7,017,485	259,901	16,825	1.6
1907	35	7,968,425	227,654	17,045	2.0
1908	38	7,155,434	188,301	17,312	2.2
1909	28	7,346,353	262,366	18,002	1.5
1910	39	7,222,480	185,192	18,000	2.2
1911	36	7,729,674	214,713	16,890	2.1
1912	30	6,839,828	227,961	16,215	1.8
1913	24	7,415,757	309,389	15,685	1.5
1914	34	7,812,734	230,080	15,740	2.1
1915	34	7,530,088	221,473	16,269	2.0
1916	31	7,217,979	232,838	15,195	2.0
1917	36	9,049,806	251,385	15,464	2.3
1918	32	8,219,515	256,833	14,563	2.2
1919	17	5,571,630	327,743	15,896	1.1
1920	26	7,809,365	299,599	12,787	2.1
1921	22	5,173,490	235,159	13,155	1.6
1922	18	4,679,685	259,983	13,700	1.3
1923	19	6,120,332	322,123	13,129	1.4
1924	18	5,544,950	308,053	12,553	1.4
1925	19	4,883,631	257,033	11,241	1.6
1926	15	4,770,316	318,102	9,619	1.5
1927	16	5,063,728	316,455	9,682	1.6
1928	21	3,759,545	179,026	7,214	2.9
1929	15	4,337,013	289,134	8,103	1.8

STATISTICS OF IOWA MINING

COAL PRODUCTION IN IOWA

For Calendar Years 1928 and 1929

FIRST DISTRICT

Counties	1928		1929	
	Tons of coal of all grades produced	Average number of employees	Tons of coal of all grades produced	Average number of employees
Appanoose.....	484,250	1,440	588,029	1,688
Lucas.....	327,447	408	442,471	634
Monroe (Part).....	115,050	294	156,372	385
Wayne.....	20,304	70	15,370	89
Adams.....	13,259	75	18,128	92
Page.....	20,500	82	20,236	90
Taylor.....	15,370	55	8,838	60
Totals.....	996,240	2,424	1,251,435	2,904

SECOND DISTRICT

Marion	558,634	965	705,671	1,057
Monroe (Part)	246,796	498	369,921	504
Jasper	44,964	100	57,535	118
Wapello	287,184	240	103,814	251
Mahaska	58,678	176	56,741	204
Van Buren	11,175	40	13,333	42
Jefferson	1,829	12	3,486	21
Davis	8,226	18	2,917	13
Totals	1,312,480	1,984	1,309,408	2,210

THIRD DISTRICT

Polk	591,752	953	569,681	898
Dallas	273,470	560	419,597	648
Boone	399,458	873	483,401	967
Warren	163,250	288	308,961	375
Webster	9,096	29	1,150	8
Greene	4,918	19	7,069	23
Guthrie	8,901	51	9,409	50
Totals	1,450,805	2,806	1,692,170	2,989

TOTAL BY DISTRICTS

First District	996,240	2,424	1,251,435	2,904
Second District	1,312,480	1,984	1,309,408	2,210
Third District	1,450,805	2,806	1,692,170	2,989
Totals	3,759,525	7,214	4,337,013	8,103

REPORT IOWA MINE INSPECTORS

COAL PRODUCTION OF IOWA

Calendar Year 1928

Counties	Mines in County	Prepared Lump Coal	Run of Mine Coal	Slack Coal	Total Production
Appanoose.....	70	485,791	30,115	36,404	484,250
Lucas.....	5	13,911	297,800	15,796	327,447
Monroe (Part).....	9	19,781	73,392	21,947	115,060
Wayne.....	5	20,304			20,304
Taylor.....	3	15,370			15,370
Page.....	5	20,560			20,560
Adams.....	7	13,259			13,259
Jasper.....	8	23,748	8,500	12,716	44,964
Marion.....	25	108,226	527,130	163,288	858,634
Wapello.....	29	51,018	15,937	20,229	87,184
Monroe (Part).....	8	49,024	161,913	35,859	246,796
Mahaska.....	30	22,984	22,279	20,415	65,678
Van Buren.....	7	7,759	2,750		10,509
Davis.....	2	2,000		1,220	3,220
Jefferson.....	2	1,281	150	398	1,829
Polk.....	19	191,894	318,406	81,363	591,732
Dallas.....	4	167,428	6,911	99,131	273,470
Boone.....	9	248,019	34,095	117,344	399,458
Warren.....	6	58,068	62,644	42,578	163,290
Webster.....	4	625	8,211	200	9,036
Greene.....	3	2,698	706	515	4,919
Guthrie.....	7	6,080	2,881		8,961
Totals.....	267	1,543,708	1,571,744	644,003	3,759,545

Calendar Year 1929

Counties	Mines in County	Prepared Lump Coal	Run of Mine Coal	Slack Coal	Total Production
Appanoose.....	63	494,907	68,012	25,110	588,029
Lucas.....	8	14,930	411,426	16,115	442,471
Monroe (Part).....	8	16,055	129,050	13,268	158,373
Wayne.....	6	10,296	4,900	175	15,370
Taylor.....	3	927	7,901		8,828
Page.....	4	17,008	3,228		20,236
Adams.....	8	1,300	16,928		18,128
Jasper.....	7	36,637	7,735	13,153	57,525
Marion.....	33	97,519	564,249	133,903	755,671
Wapello.....	27	58,013	21,254	24,547	103,814
Monroe (Part).....	9	134,805	156,373	68,743	359,921
Mahaska.....	30	28,092	15,279	13,370	56,741
Van Buren.....	7	10,366	448	2,519	13,333
Davis.....	2	1,478	1,883	125	3,486
Jefferson.....	2	2,517		400	2,917
Polk.....	20	211,309	244,833	113,639	569,681
Dallas.....	4	266,048	123	153,226	419,397
Warren.....	8	63,790	79,877	58,396	202,063
Webster.....	3		1,150		1,150
Greene.....	3	6,373	335	261	7,009
Guthrie.....	6	6,742	2,667		9,409
Boone.....	11	292,663	41,604	149,134	483,401
Totals.....	271	1,771,674	1,779,255	786,184	4,337,013

STATISTICS OF IOWA MINING

MINE OUTPUT AND EMPLOYEES

The Output of Coal, Miners and Loaders and All Other Employees
Calendar Years 1928 and 1929

District No. 1, 1928

Counties	Mines in County	Amount of Coal of All Grades Produced	Number of Miners and Loaders Employed	Number of Other Inside Employees	Number of Outside Employees	Total Number of Employees
Appanoose.....	70	484,250	1,102	211	127	1,440
Lucas.....	5	327,447	232	130	41	403
Monroe (Part).....	9	115,060	211	56	27	294
Wayne.....	5	20,304	54	8	8	70
Adams.....	7	13,259	62	4	10	82
Page.....	5	20,560	54	18	5	55
Taylor.....	3	15,370	44	6		
Totals.....	104	996,240	1,759	438	227	2,424

District No. 1, 1929

Appanoose.....	62	588,029	1,288	255	145	1,688
Lucas.....	8	442,471	413	179	42	634
Monroe (Part).....	8	158,373	187	44	24	255
Wayne.....	6	15,370	67	13	9	89
Adams.....	8	18,128	67	5	10	82
Page.....	4	20,236	57	24	9	90
Taylor.....	3	8,828	35	27	4	66
Totals.....	99	1,251,435	2,114	547	243	2,904

District No. 2, 1928

Marion.....	25	858,634	684	216	65	965
Monroe (Part).....	8	246,796	340	63	35	438
Wapello.....	29	87,184	167	34	29	240
Mahaska.....	30	65,678	130	16	30	176
Jasper.....	8	44,964	64	20	16	100
Van Buren.....	7	11,175	29	4	7	40
Davis.....	2	3,220	9	2	3	13
Jefferson.....	2	1,829	9	0	3	12
Totals.....	111	1,312,490	1,432	358	197	1,984

District No. 2, 1929

Marion.....	33	795,671	746	243	68	1,067
Monroe (Part).....	9	359,921	382	82	40	504
Wapello.....	27	103,814	187	30	24	251
Mahaska.....	30	56,741	145	29	30	204
Jasper.....	7	57,525	76	8	21	118
Van Buren.....	7	13,333	31	1	8	42
Davis.....	2	2,917	9	3	3	13
Jefferson.....	2	3,486	15	1	3	21
Totals.....	117	1,393,408	1,591	412	207	2,210

REPORT IOWA MINE INSPECTORS

MINES, OUTPUT AND EMPLOYEES

Number of Mines, Output of Coal, Number of Miners and Other Employees for the Calendar Years 1928 and 1929

District No. 3, 1928

Counties	Mines in County	Amount of Coal of All Grades Produced	Number of Miners and Loaders Employed	Number of Other Inside Employees	Number of Outside Employees	Total Number of Employees
Polk	19	591,752	673	203	77	953
Boone	9	399,458	609	135	48	792
Dallas	4	273,470	447	109	37	593
Warren	6	163,200	180	79	29	288
Guthrie	7	8,901	43	8	5	56
Greene	2	4,918	17	2	1	20
Webster	4	9,036	14	10	5	29
Totals	52	1,450,825	2,064	536	206	2,806

District No. 3, 1929

Counties	Mines in County	Amount of Coal of All Grades Produced	Number of Miners and Loaders Employed	Number of Other Inside Employees	Number of Outside Employees	Total Number of Employees
Polk	20	569,681	648	189	61	898
Boone	11	483,401	731	177	59	967
Dallas	4	419,397	499	111	38	648
Warren	8	202,063	240	106	29	375
Guthrie	6	9,409	39	3	5	56
Webster	2	1,150	5	2	1	8
Greene	3	7,069	20	2	1	23
Totals	54	1,692,170	2,182	590	217	2,989

1928

District No.	Mines	Amount of Coal of All Grades Produced	Number of Miners and Loaders Employed	Number of Other Inside Employees	Number of Outside Employees	Total Number of Employees
District No. 1	104	996,240	1,759	438	227	2,424
District No. 2	111	1,312,480	1,432	355	197	1,984
District No. 3	52	1,450,825	2,064	536	206	2,806
Totals	267	3,759,545	5,255	1,329	630	7,214

1929

District No.	Mines	Amount of Coal of All Grades Produced	Number of Miners and Loaders Employed	Number of Other Inside Employees	Number of Outside Employees	Total Number of Employees
District No. 1	99	1,351,435	2,114	547	243	2,904
District No. 2	117	1,386,408	1,591	412	207	2,310
District No. 3	54	1,692,170	2,182	590	217	2,989
Totals	270	4,437,013	5,887	1,549	667	8,103

Grand Total for the Years 1928 and 1929

Districts	Mines	Amount of Coal of All Grades Produced	Number of Miners and Loaders Employed	Number of Other Inside Employees	Number of Outside Employees	Total Number of Employees
Districts No. 1, 2 & 3, 1928	267	3,759,545	5,255	1,329	630	7,214
Districts No. 1, 2 & 3, 1929	270	4,437,013	5,887	1,549	667	8,103
Totals	537	8,096,558	11,142	2,878	1,297	15,317

STATISTICS OF IOWA MINING

COAL PRODUCTION AND DISTRIBUTION IN IOWA BY COUNTIES

1928

Counties	Mines in County	Tons of Coal of All Grades Produced	Sold to Local Trade, Not Shipped	Shipped to Points Within the State	Shipped to Points Outside the State	Sold to Railroads	Used at the Mines for Mine Purposes
Appanoose	20	484,250	166,373	146,012	103,831	1,774	
Lucas	5	327,447	1,310	13,750	303,116	9,271	
Monroe (Part)	9	115,050	11,841	19,224	81,436	1,736	
Wayne	5	30,304	20,294			10	
Adams	7	13,259	13,259			59	
Page	5	30,560	16,769	3,450	941	54	
Taylor	3	15,370	11,114	4,166	40	54	
Marion	25	558,694	64,924	214,586	558	560,696	37,570
Monroe (Part)	8	246,706	24,024	158,219	1,020	60,892	2,641
Wapello	29	87,184	85,630	1,219		335	
Mahaska	30	58,675	58,507			171	
Jasper	8	44,964	35,487	6,162	368	2,947	
Van Buren	7	11,175	6,665	4,385		125	
Davis	2	3,230	3,020			210	
Jefferson	2	1,829	1,811			18	
Boone	9	399,458	67,627	219,994	1,075	106,539	4,223
Dallas	4	273,470	7,017	103,559	93,999	67,578	1,317
Greene	3	4,918	4,678			240	
Guthrie	7	8,901	8,871			30	
Polk	19	591,752	285,394	255,202	45,023	8,183	
Warren	6	163,200	9,914	84,806	205	62,310	6,066
Webster	4	9,036	8,886			180	
Totals	267	3,759,545	813,282	1,253,185	244,731	1,591,421	56,926

1929

Counties	Mines in County	Tons of Coal of All Grades Produced	Sold to Local Trade, Not Shipped	Shipped to Points Within the State	Shipped to Points Outside the State	Sold to Railroads	Used at the Mines for Mine Purposes
Appanoose	63	588,029	77,574	251,008	161,232	95,506	2,599
Lucas	8	442,471	6,850	17,465	408,226	9,090	
Monroe (Part)	8	158,373	14,510	17,161	627	124,145	1,980
Wayne	6	15,370	13,185	960	1,015	800	10
Adams	8	18,128	18,068			60	
Page	4	30,236	20,238			43	
Taylor	3	8,828	8,470	358		20	
Marion	33	795,671	71,618	216,931	814	488,772	17,641
Monroe (Part)	9	359,921	20,628	231,970	4,384	102,119	1,435
Wapello	27	108,814	108,033	158		623	
Mahaska	30	56,741	55,834	700	500	207	
Jasper	7	57,835	48,088	4,000		4,537	
Van Buren	7	13,233	13,200			189	
Davis	2	2,917	2,667			250	
Jefferson	2	3,480	3,480			20	
Boone	30	569,681	286,341	242,339	32,221	8,780	
Dallas	4	419,397	13,261	307,655		96,842	1,639
Greene	3	7,069	6,954			115	
Guthrie	6	9,409	9,381			28	
Boone	11	483,401	70,227	271,482	150	127,851	2,681
Warren	8	202,063	12,714	111,439	148	73,411	4,363
Webster	2	1,150	1,150				
Totals	271	4,437,013	877,297	1,673,016	168,890	1,559,983	67,827

AVERAGE DAYS OF EMPLOYMENT

1928

Counties	Miners and Loaders		Other Under-ground Employees		Surface Employees	
	Average Days in Shipping Mines	Average Days in Local or Wagon Mines	Average Days in Shipping Mines	Average Days in Local or Wagon Mines	Average Days in Shipping Mines	Average Days in Local or Wagon Mines
Appanoose	163	111	169	70	169	161
Lucas	159	140	165	140	167	140
Monroe (Part)	139	102	160	49	163	118
Wayne		161		111		136
Adams				56		164
Page	230	72	230	72	236	72
Taylor	186	150	222	236	172	167
Marion	250	151	266	278	262	172
Monroe (Part)	190	165	211	213	213	165
Wapello		135		167		146
Mahaska		141		157		143
Jasper		153		204		235
Van Buren		127		212		155
Davis		176		176		152
Jefferson		126		87		126
Boone	138	109	138	87	138	110
Dallas	138		159	30	159	112
Greene		112		89		124
Guthrie		129		132		146
Polk	225	148	250	68	218	60
Warren	179	108	206	60		79
Webster		117				
Totals	182	131.2	197	130	190.7	134.1

1929

Appanoose	139.2	119.1	148.2	84.3	151.4	108.4
Lucas	208.6	119.5	214.0	91.6	219.2	139.4
Monroe (Part)	234.0	138.0	250.0	106.3	284.0	132.0
Wayne	70.0	128.0	85.0	98.0	76.0	141.6
Page		140.9		80.0	216.0	95.9
Taylor	172.0	95.9	172.0	80.1	77.1	136.4
Adams		172.2		80.0	87.0	138.4
Wapello	87.0	117.0		82.2	258.6	135.4
Mahaska		136.0		53.6	300.0	140.2
Marion	248.2	134.5	261.0	102.2	136.2	141.4
Monroe	184.0	127.4	206.0	79.1	141.4	136.1
Jasper		121.4		150.0	142.4	115.5
Van Buren		130.6		123.0	275.0	135.5
Davis		171.4		226.2	252.2	131.2
Jefferson		150.0		69.1	257.4	91.0
Polk		131.3		142.3	141.2	134.1
Dallas	198.0	114.0	244.0	84.0	54.0	55.0
Warren	238.0	147.2	144.1	83.0	55.0	55.0
Boone	137.0	84.0		58.4	156.0	
Webster		136.2				
Greene		138.4				
Guthrie						
Totals	148.1	129.5	157.3	89.6	162.6	117.1

MINES, OUTPUT AND EMPLOYEES BY COUNTIES

Local or Wagon Mines

1928

Counties	Wagon or Local Mines	Tons of Coal of All Kinds Produced	Miners and Loaders Employed	Other Under-ground Employees	Surface Employees	Total Number of Employees
Appanoose	45	77,481	314	56	49	419
Lucas	2	1,314	9	2	2	13
Monroe (Part)	7	7,468	33	2	8	43
Wayne	4	20,304	54	8	8	70
Page	2	2,100	7	6	3	16
Taylor	2	2,190	9	2	2	11
Adams	8	13,259	62	4	9	75
Mahaska	30	58,678	180	16	2	176
Davis	2	3,230	6	2	2	13
Wapello	29	87,184	167	34	39	240
Monroe (Part)	3	6,516	8	3	7	11
Van Buren	7	11,175	29	4	7	40
Jefferson	2	1,829	9	3	3	12
Warren	21	42,162	87	11	17	115
Marion	8	44,964	64	30	16	110
Jasper	16	552,772	330	90	43	462
Polk	5	36,212	80	13	9	102
Boone						
Dallas	4	6,086	36	6	3	35
Warren	7	8,901	43	8	2	51
Guthrie	3	4,918	17	17	8	19
Greene	4	9,036	14	10	5	29
Webster						
Totals	214	697,829	1,501	284	267	2,052

1929

Appanoose	40	80,196	297	52	43	392
Lucas	5	5,335	16	3	12	19
Monroe (Part)	7	39,591	69	14	10	95
Wayne	8	18,138	67	5	9	82
Adams	4	20,236	57	24	2	90
Page	2	1,011	5	1	2	8
Taylor	5	12,045	37	8	6	51
Wayne	29	41,273	113	26	19	158
Marion	36	108,150	184	30	23	247
Wapello	30	96,741	145	29	30	204
Mahaska	4	5,743	11	3	5	19
Monroe (Part)	7	57,525	76	21	21	118
Jasper	7	13,333	31	3	8	42
Van Buren	2	2,917	9	1	3	14
Davis	2	3,486	15	3	3	21
Jefferson	5	15,247	48	13	7	68
Boone						
Dallas	17	239,868	267	104	34	505
Polk	6	6,945	38	9	6	53
Warren	6	9,400	39	3	8	50
Guthrie	3	7,060	20	2	1	22
Greene	2	1,150	5	2	1	8
Webster						
Totals	217	738,528	1,649	350	261	2,260

SHIPPING MINES

Mines, Output and Employment by Counties

1928

Counties	Number of Mines	Tons of Coal of All Grades Produced	Miners and Loaders Employed	Other Underground Employees	Surface Employees	Total Number of Employees
Appanoose.....	29	406,769	788	155	78	1,021
Lucas.....	4	326,133	223	133	39	395
Monroe (Part).....	2	107,582	178	54	19	251
Wayne.....	1	18,400	47	12	7	66
Page.....	1	13,180	35	6	3	44
Taylor.....	4	816,472	597	305	48	950
Adams.....	5	240,280	333	63	32	427
Marion.....						
Monroe (Part).....						
Van Buren.....						
Mahaska.....						
Jasper.....						
Wapello.....						
Jefferson.....						
Davis.....						
Polk.....			343	113	35	491
Dallas.....	4	273,470	447	109	37	593
Boone.....	4	363,246	610	122	39	771
Warren.....	2	157,204	154	73	36	263
Guthrie.....						
Greene.....						
Webster.....						
Totals.....	60	3,061,716	3,754	1,045	363	5,162

1929

Counties	Number of Mines	Tons of Coal of All Grades Produced	Miners and Loaders Employed	Other Underground Employees	Surface Employees	Total Number of Employees
Appanoose.....	29	507,908	991	203	102	1,296
Lucas.....	3	438,936	397	176	42	615
Monroe (Part).....	1	118,782	118	30	12	160
Wayne.....	1	3,325	30	5	3	38
Page.....	1	7,817	30	26	2	58
Taylor.....	4	754,308	683	217	49	949
Adams.....	1	664	3		1	4
Marion.....						
Monroe (Part).....	5	354,178	371	79	33	483
Van Buren.....						
Mahaska.....						
Jasper.....						
Wapello.....						
Jefferson.....						
Davis.....						
Polk.....	3	329,513	281	85	27	393
Dallas.....	4	419,397	499	111	58	668
Boone.....	6	468,154	683	164	52	899
Warren.....	2	195,118	202	97	23	322
Guthrie.....						
Greene.....						
Webster.....						
Totals.....	54	3,598,485	4,238	1,193	406	5,837

Mines, Output and Employment by Counties

1928

Counties	Mines in County	Amount of Coal of All Grades Produced	Number of Miners and Loaders Employed	Number of Other Inside Employees	Number of Outside Employees	Total Number of Employees
Appanoose.....	70	484,250	1,102	211	127	1,440
Lucas.....	5	327,447	532	135	41	708
Monroe (Part).....	9	115,060	211	56	27	294
Wayne.....	5	20,304	54	8	8	70
Adams.....	7	13,259	62	4	9	75
Taylor.....	3	15,379	44	6	5	55
Page.....	5	20,569	54	18	10	82
Marion.....	25	858,634	684	216	65	965
Monroe (Part).....	8	246,796	340	63	35	438
Van Buren.....	29	87,184	167	34	39	240
Mahaska.....	30	58,678	130	16	30	176
Jasper.....	8	44,964	64	20	16	100
Van Buren.....	7	11,175	39	4	7	49
Davis.....	2	3,320	9	2	3	13
Jefferson.....	2	1,829	9		3	12
Polk.....	19	501,752	673	203	77	953
Boone.....	9	399,458	690	135	48	873
Dallas.....	4	273,470	447	109	37	593
Warren.....	6	163,290	180	79	29	288
Guthrie.....	7	8,901	43		8	51
Webster.....	4	9,036	14	10	5	29
Greene.....	5	4,918	17		2	19
Totals.....	267	3,759,545	5,255	1,329	630	7,214

1929

Counties	Mines in County	Amount of Coal of All Grades Produced	Number of Miners and Loaders Employed	Number of Other Inside Employees	Number of Outside Employees	Total Number of Employees
Appanoose.....	63	588,029	1,288	255	145	1,688
Lucas.....	8	442,471	413	179	42	634
Monroe.....	8	106,573	187	44	24	255
Wayne.....	6	15,370	67	13	9	89
Adams.....	8	18,128	67	5	10	82
Taylor.....	3	8,828	35	27	4	66
Page.....	4	20,236	57	24	9	90
Marion.....	33	796,671	746	243	68	1,057
Monroe (Part).....	9	359,921	382	82	49	504
Wapello.....	27	106,814	187	30	54	271
Mahaska.....	30	56,741	145	29	30	204
Jasper.....	7	57,525	76	21	21	118
Van Buren.....	7	13,333	81	8	8	97
Davis.....	2	2,917	9	1	3	13
Jefferson.....	2	3,496	15	3	3	21
Polk.....	20	569,681	648	180	61	889
Boone.....	11	483,491	731	177	59	967
Dallas.....	4	419,397	499	111	35	645
Warren.....	8	202,063	240	106	29	375
Guthrie.....	6	9,499	39	3	8	50
Webster.....	2	1,150	5	2	1	8
Greene.....	3	7,069	20	2	1	23
Totals.....	271	4,337,013	5,897	1,549	667	8,103

POWDER, DYNAMITE, PERMISSIBLE EXPLOSIVES, MINING MACHINES, HORSES AND MULES, DAYS IDLE, ETC.

1928

Counties	Kegs of black powder used at mines	Pounds of dynamite used at mines	Pounds of permissible explosives used at mines	Number of mining machines in use	Number of horses and mules used at the mines	Days mines were closed down because of strikes or disagreements	Curtailment in tons produced because of such strikes or disagreements
Appanoose	92	1,768		20	122	885	53,000
Lucas	11,981	40,550	23,700	7	19	4	4,440
Monroe (Part)	7,941	5,291			23	322	86,300
Wayne		150		1	4		
Adams		1,340					
Page		2,960		4			
Taylor		2,200					
Marion	51,634	26,285		3	84	11	10,310
Monroe (Part)	20,218	23,567		1	41		
Wapello	5,374	3,345		1	38		
Mahaska	3,690	3,685	25		33		
Jasper	1,351	185		5	9		
Van Buren	917	650			3	18	150
Davis	447	50			2		
Jefferson	174	200					
Boone	23,859	11,640					
Dallas	11,086	3,100	35,850	6	52	1	1,400
Greene	217	19					38
Guthrie	21	35					
Polk	18,164	35,647	43,456	20	88	2	400
Warren	843	2,750	113,450	10	23	2	1,300
Webster	170	385					
Totals	158,129	165,793	216,481	80	572	1,246	158,027

1929

Counties	Kegs of black powder used at mines	Pounds of dynamite used at mines	Pounds of permissible explosives used at mines	Number of mining machines in use	Number of horses and mules used at the mines	Days mines were closed down because of strikes or disagreements	Curtailment in tons produced because of such strikes or disagreements
Appanoose	8	1,885		29	151	30	1,500
Lucas	17,426	18,560		11	48		
Monroe	11,119	9,483			28		
Wayne		250			8	1	90
Adams		1,180					
Page	300	2,880		2			
Taylor		1,330					
Marion	50,330	17,230	1,400	6	36	6	6,400
Monroe (Part)	20,219	34,565			44		
Wapello	5,356	2,340	410	2	30		
Mahaska	4,096	4,437	4,130		31		
Jasper	1,632	250		4	9		
Van Buren	856	420	250		4		
Davis	498	50			2		
Jefferson	250	55	1,255		1		
Boone	28,875	12,716		2	33	2	2,000
Greene	360						
Guthrie	2	100					
Dallas	11,608	2,945	5,504	10	39		
Polk	22,765	32,817	2,887	26	83	15	1,100
Warren	5,576	2,770	1,375	11	20	18	15,000
Webster							
Totals	187,566	146,268	17,211	103	607	72	26,060

SUMMARY OF IOWA COAL PRODUCTION AND DISTRIBUTION
1928

Number of tons prepared lump coal produced	1,543,708
Number of tons of mine run coal produced	1,571,744
Number of tons of slack coal produced	644,093

Total number of tons of coal produced	3,759,545
Average number of miners and loaders employed	5,255
Average number of all other underground employees	1,329
Average number of surface employees	630

Total number of employees	7,214
Average number of days miners and loaders were employed in shipping mines	178.3
Average number of days other underground employees were employed in shipping mines	202
Average number of days surface employees were employed in shipping mines	203.8
Average number of days miners and loaders were employed local or wagon mines	133.3
Average number of days other underground employees were employed in local or wagon mines	122.3
Average number of days surface employees were employed in local or wagon mines	136
Number of kegs of powder used in Iowa mines	158,129
Number of pounds of dynamite used in Iowa mines	165,793
Number of pounds of permissible explosives used in Iowa mines	216,481
Number of mining machines in operation in Iowa mines	80
Average number of horses and mules worked in Iowa mines	572
Average number of days mines were closed down because of strike or disagreement with the miners	1,247
Estimate of curtailment of output on account of such strike or disagreement	158,027
Number of days miners were idle because of lack of orders or sales	2,128
Estimate total loss of output because of lack of orders or sales	513,167

DISTRIBUTION OF IOWA COAL PRODUCED IN 1928

Sold to local trade, not shipped	873,282
Shipped to points within the state	1,253,185
Shipped to points outside the state	244,731
Sold to railroads	1,391,421
Used at mines for mine purposes	56,926

Total 3,759,545

SUMMARY OF IOWA COAL PRODUCTION AND DISTRIBUTION 1929

Number of tons prepared lump coal produced.....	1,771,574
Number of tons of mine run coal produced.....	1,779,255
Number of tons of slack coal produced.....	786,184

Total number of tons of coal produced.....	4,337,013
Average number of miners and loaders employed.....	5,887
Average number of all other underground employees.....	1,549
Average number of surface employees.....	667

Total number of employees.....	8,103
Average number of days miners and loaders were employed in shipping mines.....	168.3
Average number of days other underground employees were employed in shipping mines.....	180.4
Average number of days surface employees were employed in shipping mines.....	184.2
Average number of days miners and loaders were employed in local or wagon mines.....	127.5
Average number of days other underground employees were employed in local or wagon mines.....	88.3
Average number of days surface employees were employed in local or wagon mines.....	116.4
Number of kegs of powder used in Iowa mines.....	187,564
Number of pounds of dynamite used in Iowa mines.....	146,268
Number of pounds of permissible explosives used in Iowa mines.....	17,211
Number of mining machines in operation in Iowa mines.....	103
Average number of horses worked in Iowa mines.....	607
Average number of days mines were closed down because of strike or disagreement with employees.....	72
Estimate of curtailment of output on account of disagreement.....	36,960
Number of days miners were idle because of lack of orders or sales.....	2,639
Estimate total loss of output because of lack of orders or sales.....	679,456

DISTRIBUTION OF IOWA COAL PRODUCED IN 1929

Sold to local trade, not shipped.....	877,297
Shipped to points within the state.....	1,673,016
Shipped to points outside the state.....	163,890
Sold to railroads.....	1,559,933
Used at mines for mine purposes.....	57,827
Total.....	4,337,013

GYPSUM PRODUCTS OF IOWA

1929

County	Tons of gypsum products produced	Miners and loaders employed	Other underground employees	Surface employees	Total number of employees	Number of mining machines in use	Number of horses and mules used at the mines
Webster.....	701,661	82	34	176	302	17	18
Appanoose.....	8,236	6	6	14	29	0	3
Total.....	709,897	91	40	190	321	17	21

1929

County	Tons of gypsum products produced	Total number of employees	Average days miners and loaders worked	Average days other underground employees worked	Average days surface men worked	Kegs of black powder used at mines	Pounds of dynamite used at mines
Webster.....	701,661	292	1,113	1,079	1,208	1,196	342,846
Appanoose.....	8,236	29	340	340	240	0	18,540
Total.....	709,897	321	1,453	1,319	1,538	1,196	361,386

GYPSUM MINING INDUSTRY

A number of years ago the mining laws of Iowa were amended by the legislature to include the inspection of the gypsum mines of the state by the mine inspection department. Since that time regular inspections of the gypsum mines as to safety and sanitary conditions have been made by this department, and reports of the same placed on file in the Mine Inspector's Office.

In these inspections the gypsum mines of the state have been generally found in excellent condition. Where recommendations have been made, we have found the managers of the mines willing to comply with requests made. There has also been an excellent spirit of co-operation in carrying out the laws of the state relating to gypsum mining. We are also glad to note a desire on the part of the management of these mines to keep the mines in such condition that accidents may be reduced to a minimum. Owing to the thickness of the gypsum rock the character of the roof is good, thus lessening accidents occurring from falls of roof.

The Gypsum industry is confined to Webster and Appanoose counties. Webster produces about 95.5 per cent of the total production in Iowa.

The rock is from 20 to 50 feet below the surface in Webster county, and about 550 feet in Appanoose.

The U. S. Gypsum Co. are using the strip method and are removing from 20 to 50 feet of earth from over the rock. This has been working quite satisfactorily.

The above table shows the output, etc., of the gypsum mines in Iowa.

REPORT OF FIRST INSPECTION DISTRICT

W. E. Holland, Inspector, Centerville, Iowa

This district is composed of the following counties: APPANOOSE, MONROE (part) LUCAS, WAYNE, TAYLOR, PAGE and ADAMS. The total number of men and boys employed in and around the mines of the district is approximately 2,904.

The total number employed has increased over the last biennial period, while the total number of mines has decreased. The sinking of one of the largest mines in the state in Lucas county during 1929, is responsible for the increased number of employees in the district. The output from this mine will more than compensate in tonnage, the loss of some mines which have been abandoned. The total tonnage shows an increase of 255,195 over the last year.

APPANOOSE COUNTY

This county shows an increase of 103,779 tons over the year 1928. The county produced in 1928, 484,250 tons of coal of all kinds, while in 1929 the amount was 588,029 tons. This county is unique among the coal producing counties of the state in that it is underlaid with perhaps the largest connected acreage of clean workable coal of any county in the state. The increase in last years tonnage was largely due to the railroads again taking a stipulated weekly tonnage from the mines here, after a lapse of many months in which none was taken. This is of paramount importance as it enables the mines to work part time during the summer months, which is not only beneficial but absolutely necessary for the economical operation of longwall mines. At the present time the price of local coal F. O. B. at the mine seems to have settled at \$2.50 per ton, with a slightly higher price to the railroads. When the present price of mining and day work in the mines is taken into consideration, this is positively a justifiable and bedrock price for commercial coal. Nevertheless, there has prevailed in this county for a number of years in the past, the tactics of trying by unscrupulous means to obtain an unfair advantage over the other competitors to the trade, by lowering the price of commercial coal below what the cost of production plus a reasonable profit on the property investment would judiciously warrant.

Cut throat competition has so completely ruined every industry that it was ever allowed to enter, and did it so thoroughly that the combined enemies of it that remained were as harmless and inoperative as soda water. It is in the strictest sense a positive evil, but not a necessary one. However, it has hitherto successfully resisted every effort for its removal; and left in its wake a trail of suffering, jealousy and recrimination that for comparable intensity is unparalleled.

Its distinctive characteristics have been carefully and scientifically diagnosed, antidotes for the relief of the scourge have been tried, some seemed to give temporary relief only to have it return later in a more malignant and aggravated state. In comparison it is like leprosy for being incurable, and if ultimately some permanent cure is found for the pestilential progress of them both, it will be hailed with joy unspeakable and endless delight.

The above table shows the output of the Appanoose mines in 1929.

The Appanoose district is composed of the following counties: APPANOOSE, MONROE (part) LUCAS, WAYNE, TAYLOR, PAGE and ADAMS.

The total number of men and boys employed in and around the mines of the district is approximately 2,904.

The total number employed has increased over the last biennial period, while the total number of mines has decreased.

The sinking of one of the largest mines in the state in Lucas county during 1929, is responsible for the increased number of employees in the district.

The output from this mine will more than compensate in tonnage, the loss of some mines which have been abandoned.

The total tonnage shows an increase of 255,195 over the last year.

The above table shows the output of the Appanoose mines in 1929.

LUCAS COUNTY

This county will, during the coming year, place itself among the leading counties of the state and continue there for some time. The Central Iowa Fuel Company have two large mines that are capable of producing more than a thousand tons each, per day. One is electrically equipped throughout, and the other one has a steam hoist.

The Consolidated Indiana Coal Co. put down a new mine in this county last year. The shaft is timbered with 6x6 dressed timbers from top to bottom. The mine bottom is concreted the entire length of both loaded and empty tracks, with steel cross bars overhead. It is ventilated by a Jeffries multiblade fan capable of producing 75,000 cubic feet of air per minute. This will be ample to care for the needs of the mine during its entire operation. The daily tonnage from this mine alone will approximate 2,000 tons daily. These three mines are equipped with hollow tile wash houses, showers and everything necessary for the convenience of the employees. They are located about ten miles northeast of Chariton.

The other counties are small producers as they are mostly wagon mines. There being only one railroad mine in Wayne county, one in Taylor county, one in Page and none in Adams county. The vein in Taylor, Page and Adams counties lies at a variable distance from the surface of the ground. This ranges from 40 to 250 feet. It is overlaid in most cases with rock or very strong bastard material that is practically just as good as rock, while beneath the vein there is an abundance of fireclay for mining purposes. These conditions make it possible to operate the mines successfully by the longwall method of mining.

The Hospital for the Insane at Clarinda was furnished for many years with coal from Page and Taylor Counties, but is now being furnished with coal from Appanoose County. A new mine was put down last summer about four miles west of Clarinda by the New Market Coal Co. of Taylor County. This will increase the output in Page County during the coming year.

REPORT OF FIRST INSPECTION DISTRICT

W. E. Holland, Inspector

Centerville, Iowa

FATAL ACCIDENTS IN DISTRICT NO. 1

1928

Date and Hour of Accident	Name and Occupation	Age	Married or Single	No. of Children	Cause of Death	Employing Company and County
April 26, 8:00 a. m.	C. B. Paine, timberman	49	Single		Slate fall	Central Iowa Fuel Co., Lucas
April 28, 3:00 p. m.	Frank Briggs, miner	40			Slate fall	Briggs Coal Co., Lucas
Dec. 13, 12:15 p. m.	R. L. Caldwell, foreman	51	Married		Slate fall	Central Iowa Fuel Co., Lucas

FATAL ACCIDENTS IN DISTRICT NO. 1

1929

Date and Hour of Accident	Name and Occupation	Age	Married or Single	No. of Children	Cause of Death	Employing Company and County
May 21, 10:15 a. m.	J. Maholic, miner	31	Married	1	Fall of slate	Central Iowa Fuel Co., Lucas
Aug. 6, 9:30 a. m.	F. Mattioda, driver		Married		Fall of rock	Sunshine Coal Co., Appanoose

NON-FATAL ACCIDENTS IN DISTRICT NO. 1

1928

Date and Hour of Accident	Name and Occupation	Cause of Accident	Nature of Injury	Employing Company and County
Jan. 12, 10:00 a. m.	R. B. Lafollette, miner	Struck knee with pick	Infection of knee	McConville & Sons C. Co., Appanoose
Jan. 15, 3:45 p. m.	Floyd Gates, machine man	Fall of brushing	Contusion knee joint	McConville & Sons C. Co., Appanoose
Jan. 25, 8:00 a. m.	Otis Clark, loader	Caught between cars	Laceration fingers	McConville & Sons C. Co., Appanoose
Feb. 2, 10:30 a. m.	Jack Fox, driver	Caught between cars	Injured right ankle	Numa Coal Co., Appanoose
Feb. 3, 9:00 a. m.	Ira Lawson, machine runner	Fall of coal at face	Injured right leg	Numa Coal Co., Appanoose
Feb. 4, 11:00 a. m.	John Alt, loader	Fall of coal	Injured right wrist	Numa Coal Co., Appanoose
Feb. 6, 11:00 a. m.	J. Goodman, loader	Fall of coal	Injured thigh	McConville & Sons C. Co., Appanoose
Feb. 6, 3:50 p. m.	E. F. McKachan, mach. shove	Fall of coal	Fracture 10th rib	McConville & Sons C. Co., Appanoose
Feb. 14, 10:00 a. m.	J. Hufface, loader	Fall of coal	Infection knee and groin	McConville & Sons C. Co., Appanoose
Feb. 23, 2:15 p. m.	Jas. Acwalt, machine shoveler	Fall of coal at face	Rib broken, bruised otherwise	Liberty Coal Co., Appanoose
Feb. 27, 2:30 p. m.	P. J. Richmond, loader	Fall of coal	Laceration left leg	McConville & Sons C. Co., Appanoose
Feb. 28, 2:00 p. m.	J. Stearnes, machine man	Fall of coal	Injured leg	Fairlawn Coal Co., Appanoose
Mar. 8, 9:00 a. m.	L. Graves, miner	Loading coal at face	Injured fingers	Armstrong Coal Co., Appanoose
Mar. 22, 10:15 a. m.	C. Hoover, miner	Spropping after machine	Broken leg	Diamond Lump Coal Co., Appanoose
Apr. 9, 1:00 p. m.	C. Hasselme, loader	Fall of black bat	Back sprained	Numa Coal Co., Appanoose
Apr. 29, 9:00 a. m.	C. Kniss, loader	Caught between cars	Injured muscles left leg	McConville & Sons C. Co., Appanoose
May 4, 11:45 a. m.	B. Henderson, miner	Fall of coal	Broken leg	Numa Coal Co., Appanoose
May 12, 11:00 a. m.	W. H. Allen, mine supt.	Nail puncture	Finger amputated	Numa Coal Co., Appanoose
June 22, 3:00 p. m.	L. Crenis, miner	Fall of coal	Broken collar bone	Appanoose Co. Coal Co., Appanoose
July 18, 3:00 p. m.	V. Johnson, miner	Fall of coal	Broken left arm	Numa Coal Co., Appanoose
July 17, 8:00 a. m.	M. Seddon, roustabout	R. R. tie fell on thumb	Cut and mashed thumb	Hi Test Coal Co., Appanoose
Aug. 21, 1:30 p. m.	C. E. Belser, driver	Faulty trip	Shoulder fractured	McConville & Sons C. Co., Appanoose
Aug. 27, 1:00 p. m.	Ray Ervin, miner	Fall of coal	Injured right leg	Armstrong Coal Co., Appanoose
Sept. 6, 9:00 a. m.	M. Cross, miner	Fall of coal at face	Injured right ankle	Numa Coal Co., Appanoose
Sept. 7, 3:30 p. m.	J. Stratton, loader	Fall of coal	Contusion left leg	McConville & Sons C. Co., Appanoose
Sept. 25, 10:00 a. m.	P. Baugher, driver	Lifting car coal	Ruptured ligaments, back	McConville & Sons C. Co., Appanoose
Oct. 11, 9:30 a. m.	J. G. Mitchell, miner	Pick handle struck face	Lip cut, tooth out	Hi Test Coal Co., Appanoose
Oct. 18, 10:30 a. m.	H. Elliott, cager	Coal fell down shaft	Spine dislocated	Hi Test Coal Co., Appanoose
Oct. 18, 1:30 a. m.	L. Peel, chucker	Fall of coal down chute	Scraped hand, infected	McConville & Sons C. Co., Appanoose
Oct. 28, 8:30 a. m.	R. Harvey, miner	Fall of dirt	Small finger broken	Appanoose C. & M. Co., Appanoose
Nov. 1, 10:20 a. m.	Ely, miner	Fall top brushing	Back injured ankle	Appanoose C. & M. Co., Appanoose
Nov. 3, 8:00 p. m.	C. Farley, machine runner	Caught in chain	Middle finger taken off	Numa Coal Co., Appanoose
Nov. 12, 10:00 a. m.	S. Napier, miner	Fall of coal near face	Right arm broken	Appanoose C. & M. Co., Appanoose
Nov. 16, 9:00 a. m.	G. Van Blaricon, loader	Fall of coal from car	Finger crushed	McConville & Sons C. Co., Appanoose
Nov. 28, 2:30 p. m.	Geo. Fisher, miner	Fall of coal at face	Injured left hand	Appanoose C. & M. Co., Appanoose

NON-FATAL ACCIDENT IN DISTRICT NO. 1, 1928—Continued

24

REPORT IOWA MINE INSPECTORS

Date and Hour of Accident	Name and Occupation	Cause of Accident	Nature of Injury	Employing Company and County
Dec. 8, 2:00 p. m.	Jas. Scott, miner	Flying coal particle	Lodged in eye	Hi Test Coal Co., Appanoose
Dec. 8, 12:00 m.	Ira Reese, miner	Fall of coal at face	Injured right leg	Armstrong Coal Co., Appanoose
Dec. 8, 8:15 a. m.	W. Stickler, track layer	Fall of rock	Back sprained	Armstrong Coal Co., Appanoose
Dec. 22, 2:00 p. m.	P. Corley, loader	Fall of black bat	Rib fractured	McConville & Sons C. C., Appanoose
Dec. 26, 10:00 a. m.	T. Kozelski, day man	Flying coal particle	Usher right eye	McConville & Sons C. C., Appanoose
Feb. 21, 8:00 a. m.	R. Oswalt, miner	Fall of coal from car	Injured finger	Graham Coal Co., Monroe
Mar. 8, 7:30 a. m.	A. C. Huston, top man	Fell on rod in pan	Two ribs broken	Graham Coal Co., Monroe
Aug. 21, 2:00 p. m.	H. Bowdre, timberman	Cutting, axe slipped	Thumb split	Graham Coal Co., Monroe
Aug. 27, 2:00 p. m.	L. A. Walraven, miner	Fall of slate	Chest and back injured	Graham Coal Co., Monroe
Sept. 15, 9:00 a. m.	W. C. Barton, miner	Lifting coal	Sprained side	Graham Coal Co., Monroe
Oct. 18, 8:30 a. m.	M. Longcor, miner	Fall of coal	Toe broken	Graham Coal Co., Monroe
Oct. 19, 8:30 a. m.	F. Lewis, miner	Fall of slate	Sprained back	Graham Coal Co., Monroe
Nov. 8, 10:30 a. m.	E. Holden, driver	Caught between car and rib	Injured right hand	Graham Coal Co., Monroe
Dec. 3, 9:00 a. m.	H. Hicks, driver	Car jumped track	Fractured foot	Hocking Coal Co., Monroe

NON-FATAL ACCIDENTS IN DISTRICT NO. 1 1929

Date and Hour of Accident	Name and Occupation	Cause of Accident	Nature of Injury	Employing Company and County
Jan. 19, 2:00 p. m.	Bert Clark, miner	Fall of black bat	Leg broken	New Rock Val. Coal Co., Appanoose
Feb. 15, 6:30 p. m.	Ed Marroy, machine man	Fall of coal	Right knee cap crushed	Liberty Coal Co., Appanoose
Aug. 6, 9:00 a. m.	F. Matoda, driver	Fall of rock	Back dislocated	Sunshine Coal Co., Appanoose
June 17, 2:00 p. m.	A. Anderson, miner	Lifting coal	Back sprained	Consolidated Indiana C. Co., Lucas
June 18, 2:00 p. m.	Jas. Tighe, miner	Loading coal on car	Left leg sprained	Consolidated Indiana C. Co., Lucas
June 6, 5:00 p. m.	R. F. Erickson, miner	Gravel in shoe	Abease right leg	Consolidated Indiana C. Co., Lucas
July 29, 9:30 a. m.	Harry Hope, miner	Fall of slate	Sprained and bruised ankle	Consolidated Indiana C. Co., Lucas
Aug. 8, 9:30 a. m.	S. Nelson, miner	Flying particle sulphur	Injured left eye	Consolidated Indiana C. Co., Lucas
Aug. 15, 9:30 a. m.	Wm. Lennie, miner	Poison ivy	Contracted setting props	Consolidated Indiana C. Co., Lucas
Sept. 10, 10:00 a. m.	W. A. Thomas, miner	Flying particle sulphur	Cut right eyeball	Consolidated Indiana C. Co., Lucas
Sept. 24, 10:00 a. m.	G. Robrer, miner	Fall of slate	Back sprained	Consolidated Indiana C. Co., Lucas
Sept. 15, 10:00 a. m.	O. Light, miner	Coupling cars	Left hand crushed	Consolidated Indiana C. Co., Lucas
Oct. 17, 2:00 p. m.	D. Scott, miner	Flying particle sulphur	Injured right eye	Consolidated Indiana C. Co., Lucas
Oct. 28, 3:45 p. m.	J. D. Davis, driver	Coupling cars	Finger crushed	Consolidated Indiana C. Co., Lucas
Oct. 31, 1:00 p. m.	E. Carlson, miner	Fall of coal	Left leg broken	Consolidated Indiana C. Co., Lucas
Jan. 10, 11:00 a. m.	R. B. Snodgrass, driver	Caught between cars	Injured right foot, knee	Graham Coal Co., Monroe
Jan. 22, 2:00 p. m.	J. Morley, miner	Cutting fuses	Finger badly cut	Graham Coal Co., Monroe
Mar. 26, 7:45 a. m.	W. C. Barton, miner	Fall of slate	Right leg broken	Graham Coal Co., Monroe
Mar. 29, 9:00 a. m.	R. Lee, miner	Fall of slate	Left knee injured	Graham Coal Co., Monroe
April 9, 10:45 a. m.	R. Childster, miner	Fall of slate	Breast, shoulder injured	Graham Coal Co., Monroe
July 2, 8:00 a. m.	C. A. Dever, miner	Caught between car and gob	Bruised about hips	Graham Coal Co., Monroe
Mar. 18, 4:10 p. m.	J. Whitehead, shot firer	Shot blowout	Face and hands burned	Hocking Coal Co. No. 5, Monroe
Mar. 18, 4:10 p. m.	T. Kanslorich, shot firer	Shot blowout	Face and back burned	Hocking Coal Co. No. 5, Monroe
Sept. 5, 3:30 p. m.	T. Morgan, miner	Contact trolley wire	Severe shock	Hocking Coal Co. No. 5, Monroe
Sept. 20, 9:30 a. m.	C. A. Patterson, driver	Car run over hand	Two fingers crushed	Old King Cole Co., Appanoose
Dec. 21, 3:00 p. m.	J. Coates, miner	Fall of coal	Leg fractured	Hill Side Coal Co., Appanoose

STATISTICS OF IOWA MINING

25

FATAL ACCIDENTS IN DISTRICT NO. 1
Classified by Causes of Accident and Occupation of Injured
For the Years 1928 and 1929

26

REPORT IOWA MINE INSPECTORS

Cause of Accidents (U. S. Bureau of Mines Classification)	Occupation of Injured														
	Miners	Loaders	Drivers	Top men	Machine men	Entry men	Company men	Shot fire	Track men	Foreman	Engineer	Miner	Timberman	Loader	Driver
1. Fall of roof (rock, slate, etc.)															
2. Fall of roof (rock, slate, etc.)															
3. Fall of roof (rock, slate, etc.)															
4. Fall of coal:															
5. Mine cars and locomotives:															
6. Electricity:															
7. Animals:															
8. Miscellaneous:															
9. Explosives:															
10. Hand tools:															
Unknown															

(e) Squeezed by a mule.															
(f) Shoeing mule or pony.															
8. Miscellaneous:															
(a) Caught in cage.															
(b) Flying particles hitting eye.															
(c) Loading coal, rock, slate and dirt.															
(d) Falling rails and timbers.															
(e) Caught in tail rope.															
(f) Caught in conveyors and cables.															
(g) Caught in trap door.															
(h) Repairing machinery.															
(i) Pieces broken machinery flying.															
(j) Persons falling down shaft.															
(k) Objects falling down shaft.															
(l) Using blow torch.															
(m) Persons falling or stumbling.															
9. Explosives:															
(a) Premature and windy shots.															
(b) Dust explosion, fire and gas.															
10. Hand tools:															
Axes, bars, picks, shovels, nails, wedges, mining machines, weighing apparatus and mechanical devices.															
Unknown															

STATISTICS OF IOWA MINING

27

REPORT OF SECOND INSPECTION DISTRICT

R. T. RHYS, Inspector

The counties comprising the second inspection district are as follows: Marion, Monroe (part), Wapello, Mahaska, Jasper, Van Buren, Keokuk, Davis and Jefferson. The number of mines, number employees and the output of the mines are arranged by counties and districts in the front part of this report.

FATAL ACCIDENTS IN DISTRICT NO. 2

1928

Date and Hour of Accident	Name and Occupation	Age	Married or Single	No. of Children	Cause of Death	Employing Company and County
Feb. 14, 10:30 a. m.	John Mercer, miner	29	Married	1	Slate fall	Red Rock Coal Co., Marion
Sept. 18, 2:30 p. m.	W. H. Bainbridge, driver	46	Married	5	Slate fall	Dawson Coal Co., Wapello
Nov. 3, 11:15 a. m.	D. Jamieson, driver	35	Married	1	Unknown	Cons. Indiana Coal Co., Marion
Mar. 29, 3:45 p. m.	Elmer Clouse, shot firer	28	Married	3	Dust explosion from shot	Carbon Coal Co., Monroe
Mar. 29, 3:45 p. m.	H. Phillips, shot firer	33	Married	2	Dust explosion from shot	Carbon Coal Co., Monroe

FATAL ACCIDENTS IN DISTRICT NO. 2

1929

Date and Hour of Accident	Name and Occupation	Age	Married or Single	No. of Children	Cause of Death	Employing Company and County
Oct. 15, 8:30 a. m.	Geo. Keller, miner	45	Married	2	Fall of slate	Rex Fuel Co., Monroe
Oct. 16, 8:40 a. m.	W. Welsh, driver	41	Married	2	Crushed by car of coal	Carbon Coal Co., Monroe
Oct. 21, 10:30 a. m.	J. Lucas, miner	31	Married	3	Fall of slate	Cons. Indiana Coal Co., Marion
Dec. 2, 10:30 a. m.	W. Swin, miner	66	Married	2	Fall of slate	Rex Fuel Co., Monroe

NON-FATAL ACCIDENTS IN DISTRICT NO. 2

1928

Date and Hour of Accident	Name and Occupation	Cause of Accident	Nature of Injury	Employing Company and County
Jan. 5, 8:15 a. m.	C. Coughlan, driver	Kicked by mule	Injured left side	Pershing Coal Co., Marion
Jan. 8, 1:15 p. m.	D. J. Jamieson, driver	Fall of slate	Injured back and hand	Consolidated Ind. Coal Co., Marion
Jan. 11, 11:15 a. m.	C. Thomas, loader	Lifting coal	Sprained back	Consolidated Ind. Coal Co., Marion
Jan. 17, 10:00 a. m.	C. Benson, miner	Pinched between coal and car	Injured finger right hand	Consolidated Ind. Coal Co., Marion
Jan. 18, 9:30 a. m.	J. Burns, driver	Caught between cars	Injured legs	Consolidated Ind. Coal Co., Marion
Jan. 20, 9:00 a. m.	J. Peterson, miner	Flying sulphur	Struck right eye	Consolidated Ind. Coal Co., Marion
Jan. 20, 9:00 a. m.	A. Marshall, miner	Fall of coal	Injured right foot and toes	Pershing Coal Co., Marion
Jan. 24, 2:30 p. m.	A. Marshall, miner	Burst blow off pipe	Face and arm burned	Pershing Coal Co., Marion
Jan. 30, 10:30 a. m.	C. Cecil, fireman	Fell on tie	Injured breast	Consolidated Ind. Coal Co., Marion
Jan. 30, 7:30 a. m.	C. Thomas, miner	Pick struck foot	Left foot injured	Pershing Coal Co., Marion
Feb. 13, 10:00 a. m.	J. Morris, miner	Powder explosion	Infection set in	Consolidated Ind. Coal Co., Marion
Feb. 14, 3:00 p. m.	Chas. Wise, miner	Blistered left hand	Injuring knee cap	Pershing Coal Co., Marion
Feb. 14, 10:00 a. m.	Wm. Nichols, miner	Coal struck knee	Injured back and legs	Consolidated Ind. Coal Co., Marion
Feb. 30, 2:00 p. m.	A. Williams, miner	Fall of slate	Injured right hand	Pershing Coal Co., Marion
Feb. 23, 9:00 a. m.	L. Jones, miner	Coal fell on hand	Injured right hand	Pershing Coal Co., Marion
Feb. 24, 3:30 p. m.	J. Harding, miner	Falling timber	Injured head	Hamilton Coal Co., Marion
Feb. 27, 9:15 a. m.	J. Bolton, timberman	Falling timber	Injured head	Hamilton Coal Co., Marion
Mar. 7, 10:00 a. m.	A. Prusapak, miner	Fall of slate	Injured shoulders, head, hands	Pershing Coal Co., Marion
Mar. 9, 11:00 a. m.	W. G. Jones, miner	Flying coal from shot	Finger cut and bruised	Pershing Coal Co., Marion
Mar. 12, 1:00 p. m.	A. Moses, miner	Slipped from car wheel	Injured right side	Pershing Coal Co., Marion
Mar. 14, 11:00 p. m.	Alex. Benson, motorman	Collision mine cars	Injured head and hips	Pershing Coal Co., Marion
Mar. 16, 11:15 a. m.	R. Dayton, coupler	Coupling cars	Right wrist fractured	Consolidated Ind. Coal Co., Marion
Mar. 28, 9:30 p. m.	Thos. McLeod, miner	Flying sulphur	Injured right eye	Consolidated Ind. Coal Co., Marion
Mar. 29, 2:00 p. m.	Ben Henry, miner	Falling rock	Injured right shin	Consolidated Ind. Coal Co., Marion
Mar. 31, 12:40 p. m.	T. Llewellyn, boiler man	Falling coal	Injured fingers	Consolidated Ind. Coal Co., Marion
April 16, 3:00 p. m.	N. Long, miner	Sledging slate	Injured through abdomen	Pershing Coal Co., Marion
April 17, 2:00 p. m.	W. Nichols, miner	Lifting sulphur	Injured back and hips	Pershing Coal Co., Marion
April 19, 10:30 a. m.	R. Smith, miner	Fall of slate	Injured shoulders and hand	Pershing Coal Co., Marion
April 22, 10:00 a. m.	C. Goodwin, miner	Fall of slate	Right foot injured	Consolidated Ind. Coal Co., Marion
April 28, 11:00 a. m.	B. M. Dhabolt, trimmer	Fell from car	Injured right shoulder	Pershing Coal Co., Marion
May 3, 9:30 a. m.	J. Heath, miner	Flying sulphur	Injured right eye	Consolidated Ind. Coal Co., Marion
May 17, 3:00 p. m.	P. Roco, miner	Prop fell	Injured back	Pershing Coal Co., Marion
May 23, 10:30 a. m.	J. Morland, miner	Flying sulphur	Injured back and legs	Consolidated Ind. Coal Co., Marion
May 23, 10:00 a. m.	H. W. Smith, miner	Lifting black jack	Injured back and legs	Consolidated Ind. Coal Co., Marion
May 24, 2:30 p. m.	O. J. Dodd, miner	Caught between car and prop	Injured back and legs	Consolidated Ind. Coal Co., Marion

NON-FATAL ACCIDENTS IN DISTRICT NO. 2, 1928—Continued

Date and Hour of Accident	Name and Occupation	Cause of Accident	Nature of Injury	Employing Company and County
June 14, 2:00 p. m.	Jeff Hicks, miner	Flying coal	Struck right eye	Consolidated Ind. Coal Co., Marion
June 15, 9:00 a. m.	L. Rhinard, miner	Fall of slate	Injured shoulder and back	Pershing Coal Co., Marion
June 22, 10:00 a. m.	C. Hopkins, miner	Flying sulphur	Injured right eye	Consolidated Ind. Coal Co., Marion
June 25, 9:30 a. m.	Geo. Wise, miner	Lifting slate	Back strained	Consolidated Ind. Coal Co., Marion
June 26, 11:00 a. m.	Geo. Gruver, miner	Lifting coal	Strained left shoulder	Consolidated Ind. Coal Co., Marion
June 26, 9:00 a. m.	T. Barhill, driver	Car wheel struck foot	Injured right foot	Consolidated Ind. Coal Co., Marion
July 2, 8:30 a. m.	J. Heath, Jr., miner	Fall of dirt	Injured left foot	Pershing Coal Co., Marion
July 11, 2:15 p. m.	Wm. Cox, miner	Fall of coal	Injured left hand and leg	Consolidated Ind. Coal Co., Marion
July 12, 9:00 a. m.	J. Hicks, miner	Fall of slate from car	Hand cut and bruised	Consolidated Ind. Coal Co., Marion
July 27, 3:30 p. m.	G. McFall, miner	Flying sulphur	Injured right eye	Consolidated Ind. Coal Co., Marion
Aug. 5, 2:00 p. m.	R. E. Miller, driver	Fall of coal	Injured left hand	Consolidated Ind. Coal Co., Marion
Aug. 9, 10:30 p. m.	P. Neal, top man	Foot caught in latch	Injured right foot	Pershing Coal Co., Marion
Sept. 1, 12:45 p. m.	T. Howland, Jr., motorman	Coal fell from chute	Injured left foot	Consolidated Ind. Coal Co., Marion
Sept. 4, 10:30 a. m.	G. Patterson, miner	Electricity flashed	Eyes burned	Pershing Coal Co., Marion
Sept. 7, 1:00 p. m.	W. Courtney, miner	Blocking car	Finger crushed under wheel	Pershing Coal Co., Marion
Sept. 20, 2:00 p. m.	B. Brum, miner	Lifting slate	Sprayed back	Consolidated Ind. Coal Co., Marion
Sept. 23, 8:45 a. m.	O. Gray, stable boss	Fall of coal	Fingers injured	Pershing Coal Co., Marion
Sept. 23, 9:00 p. m.	J. Laws, Jr., miner	Spragging ears	Finger injured under wheel	Pershing Coal Co., Marion
Oct. 18, 3:30 p. m.	F. Shepley, miner	Flying substance	Injured right eye	Consolidated Ind. Coal Co., Marion
Oct. 22, 8:30 a. m.	A. Klarich, miner	Falling prop	Injured back and hip	Consolidated Ind. Coal Co., Marion
Oct. 23, 3:00 p. m.	John Laws, Sr., miner	Falling slate	Sprained back	Consolidated Ind. Coal Co., Marion
Nov. 1, 3:00 p. m.	J. Barbour, miner	Fall of slate	Injured left foot	Consolidated Ind. Coal Co., Marion
Nov. 1, 1:30 p. m.	W. Oldham, miner	Flying sulphur	Injured right eye	Consolidated Ind. Coal Co., Marion
Nov. 7, 12:30 p. m.	J. Sldlock, Jr., driver	Car left rail	Injured right foot	Pershing Coal Co., Marion
Nov. 13, 3:45 p. m.	H. Fosenburg, driver	Chain unhooked and caught	Injured left foot	Consolidated Ind. Coal Co., Marion
Nov. 19, 1:00 p. m.	M. Allen, miner	Finger caught on lump coal	Little finger amputated	Consolidated Ind. Coal Co., Marion
Nov. 19, 11:30 a. m.	J. Barbour, miner	Fall of coal	Right foot injured	Consolidated Ind. Coal Co., Marion
Nov. 23, 2:00 p. m.	A. Anderson, miner	Dropped leg powder	Left leg injured	Consolidated Ind. Coal Co., Marion
Nov. 28, 7:40 a. m.	V. Luksetich, miner	Caught, coal and hook on car	Finger lacerated	Consolidated Ind. Coal Co., Marion
Dec. 10, 1:00 p. m.	V. Dlagaga, trapper	Car left rail struck foot	Right foot injured	Pershing Coal Co., Marion
Dec. 20, 2:00 p. m.	J. Windras, miner	Fall of slate	Injured instep	Consolidated Ind. Coal Co., Marion
Dec. 27, 5:40 p. m.	J. Klobueher, laborer	Prop fell	Injured right eye	Consolidated Ind. Coal Co., Marion
Dec. 28, 10:00 a. m.	F. O. Harkin, miner	Chip from file	Finger broken	Smoky Hollow Coal Co., Monroe
Jan. 21, 1:30 p. m.	Wm. Carter, timberman	Loading slate	Toe of left foot broken	Rex Fuel Co., Monroe
Feb. 9, 9:00 a. m.	L. Johnson, timberman	Breaking rock	Cut finger right hand	Rex Fuel Co., Monroe
Feb. 3, 2:00 p. m.	S. Matrovich, timberman	Timbering	Leg broken and lacerated	Carbon Coal Co., Monroe
Aug. 6, 3:30 p. m.	B. Ostling, driver	Tail chain unhooked		

Sept. 10, 2:00 p. m.	G. Luke, mine foreman	Jack slipped, struck knee	Knee severely bruised	Carbon Coal Co., Monroe
Sept. 22, 2:00 p. m.	M. Ridgeway, driver	Fell under car	Feet and legs injured	Carbon Coal Co., Monroe
Oct. 4, 4:00 p. m.	Jess Shelly, machine man	Caught, load and roof	Two ribs broken	Union Coal Co., Wapello
Oct. 5, 10:00 a. m.	H. Howe, machine man	Fall of slate	Left ankle broken	Union Coal Co., Wapello
Oct. 15, 2:00 p. m.	W. T. Sullivan, machine man	Fall of coal	Right ankle fractured	Union Coal Co., Wapello
Oct. 5, 9:00 a. m.	V. Wanshove, driver	Fell under car	Knee cap injured	Roberts Bros., Mahaska
Nov. 19, 3:45 p. m.	C. Conway, Jr., miner	Fall of rock	Crushed big toe	Prairie City Coal Co., Jasper
Dec. 5, 8:00 a. m.	L. Zachery, top man	Fell down steps	Injured back and legs	Prairie City Coal Co., Jasper

NON-FATAL ACCIDENTS IN DISTRICT NO. 2, 1929

Sept. 12, 11:00 a. m.	John Fridley, miner	Fall of coal	Left arm broken	Stribling Coal Co., Wapello
Jan. 30, 3:00 p. m.	M. Ouder, miner	Lifting coal	Sprained back	Lovilla Coal Co., Monroe
June 26, 10:00 a. m.	J. H. Davidson, miner	Fall of coal	Two ribs fractured	Smoky Hollow Coal Co., Monroe
Feb. 7, 9:00 a. m.	Wm. Bennett, top man	Fall of coal	Head cut	Smoky Hollow Coal Co., Monroe
Feb. 19, 2:00 p. m.	L. Friday, top man	Loading boom	Finger crushed	Smoky Hollow Coal Co., Monroe
Mar. 28, 11:30 a. m.	J. McGrath, top man	Loading boom	Finger crushed	Smoky Hollow Coal Co., Monroe
Mar. 6, 11:00 a. m.	Wm. Dunner, driver	Caught, car and roof	Shoulder injured	Roberts Bros., Mahaska
Jan. 10, 10:00 a. m.	H. Haney, miner	Fall of slate	Body injury	Pershing Coal Co., Marion
Jan. 12, 10:00 a. m.	C. Coghlan, driver	Fall of slate	Left hand cut	Pershing Coal Co., Marion
Jan. 14, 2:30 p. m.	Joe Durky, timberman	Axe slipped	Finger cut	Pershing Coal Co., Marion
Jan. 25, 10:00 a. m.	Wm. Moses, machine man	Battered hand, cutting	Infection	Pershing Coal Co., Marion
Feb. 20, 3:45 p. m.	C. Goodwin, Sr., miner	Flying particle slate	Right eye injured	Pershing Coal Co., Marion
Feb. 18, 2:00 p. m.	Joe Tonda, miner	Lifting coal	Finger injured	Pershing Coal Co., Marion
Feb. 26, 1:00 p. m.	D. Dallerio, miner	Fall of slate	Back injured	Pershing Coal Co., Marion
Feb. 15, 2:30 p. m.	W. Nichols, miner	Fall of slate	Back and legs injured	Pershing Coal Co., Marion
Feb. 7, 9:30 a. m.	H. Hunt, slate man	Fall of slate	Head injured	Pershing Coal Co., Marion
Mar. 6, 10:00 a. m.	Wm. Pyle, miner	Slipped loading coal	Back sprained	Pershing Coal Co., Marion
Mar. 8, 10:30 a. m.	H. L. Connors, miner	Flying particle coal	Eye injured	Pershing Coal Co., Marion
Mar. 9, 10:00 a. m.	John Kerr, miner	Pick struck hand	Hand bruised	Pershing Coal Co., Marion
Mar. 13, 2:00 p. m.	Chas. Kissinger, miner	Flying particle coal	Eye injured	Pershing Coal Co., Marion
Feb. 26, 1:00 p. m.	D. Dallerio, miner	Fall of slate	Back injured	Pershing Coal Co., Marion
Mar. 16, 3:30 p. m.	John Hlad, motorman	Caught, car and motor	Hand crushed	Pershing Coal Co., Marion
Mar. 18, 9:00 a. m.	R. Smith, miner	Lifting coal	Back sprained	Pershing Coal Co., Marion
May 14, 10:00 a. m.	H. Russell, miner	Lifting coal	Hand injured	Pershing Coal Co., Marion
May 9, 7:45 a. m.	Tony Shrome, miner	Fall of prop	Body injury	Pershing Coal Co., Marion
May 28, 9:00 a. m.	E. Saxton, miner	Axe slipped	Three fingers cut	Pershing Coal Co., Marion
May 28, 10:30 a. m.	Jas. Cummins, Jr., miner	Fall of coal	Right hand injured	Pershing Coal Co., Marion
May 23, 9:30 a. m.	John Hlad, motorman	Timbers fell on road	Back injured	Pershing Coal Co., Marion
June 25, 10:00 a. m.	Chas. Dooley, miner	Fall of rock	Foot injured	Pershing Coal Co., Marion
July 24, 8:00 a. m.	F. Walters, miner	Struck with pick	Leg injured	Pershing Coal Co., Marion
July 5, 10:00 a. m.	D. Melin, miner	Fall of rock	Groins injured	Pershing Coal Co., Marion
Sept. 25, 12:30 p. m.	B. Gustafsen, miner	Fall of slate	Right leg broken	Pershing Coal Co., Marion
Dec. 19, 2:30 p. m.	F. Vanderhorst, miner	Rising, struck coal face	Back injured	Consolidated Ind. Coal Co., Marion

NON-FATAL ACCIDENTS IN DISTRICT NO. 2, 1929—Continued

32

REPORT IOWA MINE INSPECTORS

Date and Hour of Accident	Name and Occupation	Cause of Accident	Nature of Injury	Employing Company and County
Dec. 31, 9:00 a. m.	G. Anderson, miner.	Fall of slate.	Fractured right pelvis.	Consolidated Ind. Coal Co., Marion
Dec. 27, 3:30 p. m.	Jesse Willis, miner.	Fall of slate.	Fractured right arm.	Consolidated Ind. Coal Co., Marion
April 2, 10:00 a. m.	C. Jeffreys, miner.	Fall of coal.	Right leg injured.	Consolidated Ind. Coal Co., Marion
April 9, 10:30 a. m.	C. Foster, laborer.	Flying particle sulphur.	Right eye injured.	Consolidated Ind. Coal Co., Marion
April 15, 2:30 p. m.	H. Smith, miner.	Fall of coal.	Large toe fractured.	Consolidated Ind. Coal Co., Marion
April 13, 3:00 p. m.	M. F. Mitchell, driver.	Car left rails.	Right ankle injured.	Consolidated Ind. Coal Co., Marion
Jan. 7, 1:00 p. m.	M. Clein, helper.	Lifting car.	Right side sprained.	Consolidated Ind. Coal Co., Marion
Jan. 11, 2:45 p. m.	J. M. Perry, miner.	Fall of slate.	Left leg broken.	Consolidated Ind. Coal Co., Marion
Mar. 25, 11:00 a. m.	F. Beston, miner.	Fall of coal.	Toes left foot injured.	Consolidated Ind. Coal Co., Marion
Mar. 11, 12:20 p. m.	Thos. Spolan, miner.	Fall of slate.	Head injured.	Consolidated Ind. Coal Co., Marion
Mar. 23, 8:30 a. m.	W. Jeffreys, timberman.	Fall of slate.	Knee cap injured.	Consolidated Ind. Coal Co., Marion
Mar. 1, 10:00 a. m.	Wm. Thomas, driver.	Pinned, mule and car.	Left side injured.	Consolidated Ind. Coal Co., Marion
Feb. 19, 3:00 p. m.	Wm. Kersey, miner.	Fall of slate.	Left leg injured.	Consolidated Ind. Coal Co., Marion
Mar. 5, 2:00 p. m.	A. Maitre, miner.	Rolling rock.	Ruptured left side.	Consolidated Ind. Coal Co., Marion
Mar. 30, 9:00 a. m.	Jas. Crowe, helper.	Fall of slate.	Leg fractured.	Consolidated Ind. Coal Co., Marion
Feb. 18, 2:00 p. m.	John Cetina, miner.	Fall of slate.	Left foot injured.	Consolidated Ind. Coal Co., Marion
Feb. 8, 10:00 a. m.	Robt. Child, miner.	Fall of slate.	Left knee injured.	Consolidated Ind. Coal Co., Marion
Feb. 22, 8:45 a. m.	Wm. Perry, miner.	Flying particle sulphur.	Left eye injured.	Consolidated Ind. Coal Co., Marion
Feb. 3, 3:20 p. m.	F. Fonieta, timberman.	Fall of slate.	Fractured right toes.	Consolidated Ind. Coal Co., Marion
Feb. 6, 11:00 a. m.	O. Carlson, miner.	Flying particle sulphur.	Right eye injured.	Consolidated Ind. Coal Co., Marion
Feb. 7, 10:30 a. m.	Chas. Ellis, miner.	Flying particle sulphur.	Left eye injured.	Consolidated Ind. Coal Co., Marion
May 24, 11:15 a. m.	P. Kanglarich, laborer.	Caught, car and rib.	Left leg injured.	Consolidated Ind. Coal Co., Marion
May 18, 9:00 a. m.	J. Kanglarich, miner.	Fall of coal.	Right knee injured.	Consolidated Ind. Coal Co., Marion
May 28, 10:30 a. m.	J. Richards, miner.	Caught under car.	Right leg injured.	Consolidated Ind. Coal Co., Marion
May 15, 11:00 a. m.	L. Johnson, laborer.	Caught, car and rib.	Legs injured.	Consolidated Ind. Coal Co., Marion
May 24, 8:00 a. m.	Albert Howe, miner.	Fall of slate.	Finger crushed.	Consolidated Ind. Coal Co., Marion
June 3, 9:30 a. m.	Cleo Foster, helper.	Fall of slate.	Right hip injured.	Consolidated Ind. Coal Co., Marion
June 11, 8:00 a. m.	F. O. Harkins, miner.	Fall of coal.	Left toes injured.	Consolidated Ind. Coal Co., Marion
June 10, 11:00 a. m.	J. Candino, driver.	Kicked by mule.	Left leg injured.	Consolidated Ind. Coal Co., Marion
June 10, 10:15 a. m.	J. Moreland, driver.	Mule stepped on foot.	Foot cut and bruised.	Consolidated Ind. Coal Co., Marion
July 30, 9:00 a. m.	W. Kirfman, driver.	Fall of slate.	Fingers left hand injured.	Consolidated Ind. Coal Co., Marion
Aug. 20, 8:00 a. m.	J. Gardiner, driver.	Handling props.	Poison ivy, arms and face.	Consolidated Ind. Coal Co., Marion
Sept. 29, 11:15 a. m.	Frank Fonieta, timberman.	Fall of slate.	Back injured.	Consolidated Ind. Coal Co., Marion
Oct. 5, 10:30 a. m.	B. Vanderhorst, miner.	Lifting car.	Back injured.	Consolidated Ind. Coal Co., Marion
Sept. 16, 12:15 p. m.	J. Kanglarich, miner.	Rolling car.	Crushed thumb.	Consolidated Ind. Coal Co., Marion
July 12, 8:30 a. m.	C. G. Day, miner.	Fall of slate.	Right foot injured.	Consolidated Ind. Coal Co., Marion
May 7, 4:00 p. m.	Chas. Spore, driver.	Kicked by mule.	Neck and chest injured.	Consolidated Ind. Coal Co., Marion
May 25, 10:00 a. m.	F. Fonieta, timberman.	Flying particle sulphur.	Right eye injured.	Consolidated Ind. Coal Co., Marion
Dec. 18, 12:00 noon	Wm. Dunner, driver.	Opening trap door.	Ankle dislocated.	Roberts Bros. Coal Co., J. Mahaska

Dec. 15, 10:00 a. m.	E. E. Thomas, timberman.	Fall of slate.	Leg broken, body injured.	Smoky Hollow Coal Co., 12, Monroe
Sept. 12, 11:00 a. m.	J. Fridley, miner.	Fall of coal.	Arm fractured.	Stribling Coal Co., Wapello
Nov. 11, 10:30 a. m.	W. Dooley, driver.	Kicked by mule.	Five ribs fractured.	Pershing Coal Co., Marion
Nov. 21, 2:30 p. m.	Jas. Reed, miner.	Axe slipped.	Knee badly cut.	Pershing Coal Co., Marion
Oct. 31, 10:00 a. m.	J. Lucas, miner.	Fall of slate.	Back injured.	Consolidated Ind. Coal Co., Marion
Nov. 6, 10:00 a. m.	D. McRoberts, miner.	Flying Particle coal.	Eye injured.	Consolidated Ind. Coal Co., Marion
Nov. 26, 10:10 a. m.	J. Spolan, miner.	Fall of slate.	Arm, leg, hand injured.	Consolidated Ind. Coal Co., Marion
Dec. 10, 10:30 a. m.	A. Kanglarich, miner.	Struck with sledge.	Thumb crushed.	Consolidated Ind. Coal Co., Marion
Oct. 28, 9:30 a. m.	P. Snarleh, miner.	Fall of coal.	Toe fractured.	Consolidated Ind. Coal Co., Marion
Dec. 17, 7:50 a. m.	R. Truman, miner.	Fall of coal.	Right foot crushed.	Consolidated Ind. Coal Co., Marion
Dec. 4, 2:00 p. m.	L. Ulrich, driver.	Screen fell.	Back injured.	Union Coal Co., Wapello
Dec. 3, 10:00 a. m.	A. Jones, miner.	Fall of slate.	Back injured.	Pershing Coal Co., Marion
Dec. 16, 11:00 a. m.	M. Long, miner.	Flying particle coal.	Eye injured.	Pershing Coal Co., Marion

STATISTICS OF IOWA MINING

33

FATAL ACCIDENTS IN DISTRICT NO. 2
Classified by Cause of Accident and Occupation of Injured
For the Years 1928 and 1929

34

REPORT IOWA MINE INSPECTORS

Cause of Accidents (U. S. Bureau of Mines Classification)		Miners	Loaders	Drivers	Top men	Machine men	Entry men	Company men	Shot fire	Track men	Foremen	Engineer	Miner	Timbermen	Loader	Driver	Machine men	Entry men	Company men	Track men	Shot fire	Cager	Check weighmen	Top men	Engineer	Mechanic	Spragger	Trapper	Electrician	Foremen
1.	Fall of roof (rock, slate, etc.) At working face																													
2.	Fall of roof (rock, slate, etc.) In room or chamber			1																										
3.	Fall of roof (rock, slate, etc.) In road or entry																													
4.	Fall of coal: (a) Fall of coal at face (b) Fall of pillar coal																													
5.	Mine cars and locomotives: (a) Run over by car (b) Caught between car and rib (c) Caught between car and timber (d) Caught between car and top (e) Putting car on track (f) Fall from car or motor (g) Switching or spragging (h) Coupling cars (i) Fall from railroad car (j) Runaway car on trip (k) Caught between cars (l) Pushing cars (m) Cars jumping track and collisions			1																										
6.	Electricity: (a) High tension or mining machines (b) Electric welders, etc.																													
7.	Animals: (a) Caught in harness (b) Mule fell down (c) Kicked by mule (d) Mule run away																													
	(e) Squeezed by a mule (f) Shoeing mule or pony																													
8.	Miscellaneous: (a) Caught in cage (b) Flying particles hitting eye (c) Loading coal, rock, slate and dirt (d) Falling rails and timbers (e) Caught in tail rope (f) Caught in conveyors and cables (g) Caught in trap door (h) Repairing machinery (i) Pieces broken machinery flying (j) Persons falling down shaft (k) Objects falling down shaft (l) Using blow torch (m) Persons falling or stumbling																													
9.	Explosives: (a) Premature and windy shots (b) Dust explosion, fire and gas			2																										
10.	Hand tools: Axes, bars, picks, shovels, nails, wedges, mining machines, weighing apparatus and mechanical devices																													

STATISTICS OF IOWA MINING

35

REPORT THIRD INSPECTION DISTRICT

EDWARD SWEENEY, Inspector
Des Moines, Iowa

The third inspection district is composed of the following counties: Polk, Boone, Dallas, Warren, Greene, Guthrie and Webster counties. The total amount of coal of all grades produced in said district during 1929 exceeds that of 1928 by 241,345 tons, total tonnage for 1929 being 1,692,170 tons. The coal companies of this district gave employment to 2,989 miners and other employees during 1929, same being an increase of 183 men over that of the previous year. A few years ago Story and Hardin counties were a part of District No. 3 but in recent years all mines in said counties have been abandoned and have been eliminated from this district.

Eight fatal accidents occurred in 1929 as against thirteen in 1928, a decrease of five accidents.

Strikes and disagreements between miners and operators which occurred in District No. 3 during 1929 were of minor importance. Only 72 days were lost during the year owing to such trouble and all misunderstandings were amicably settled between both parties concerned within a very few days after strikes were called.

Webster county produced about 85 per cent of the gypsum mined in the state in 1929. There are six gypsum mines located in the vicinity of Ft. Dodge with a total tonnage of 701,661 tons. This is an increase over our previous record of 58,882 tons. These mines have been working practically full time and no labor trouble. The rock is found at a depth of about 20 to 50 feet below the surface and 17 mining machines are in use. The gypsum mines of Webster county gave employment to 321 employees during 1929.

POLK COUNTY

Compilation of reports for the third inspection district show Polk county to be the highest coal producing county in said district. During 1928 there were 19 coal mines in active operation, 16 local and 3 shipping, producing a total tonnage of 591,762 tons of all grades.

During 1929 there were 20 coal mines in active operation, 17 local and 3 shipping, producing a total tonnage of 569,681 tons of all grades. The tonnage in 1929 shows a decrease under 1928 of 22,071 tons, although there was one more mine in operation during 1929 than in 1928. The decrease in production in Polk county we believe is due to the enormous increase in production of the shipping mines in nearby counties. The consumption of coal in Des Moines and surrounding territory was doubtless greater during 1929 than in 1928.

Polk county ranks third in coal production in the state. Marion county taking first place in quantity production and Appanoose county being second.

There are 7 counties composing District No. 3, all of which show a decided gain in production excepting Polk and Webster counties, both of which show a slight decrease in 1929.

For the calendar year ending December 31, 1929, the mining companies of Polk county gave employment to 898 miners and other employees.

Coal mining in Polk county has been carried on continuously for about 85 years, as the first record of mining done in said county show operations as early as 1850. The beds of coal that have been worked show an average thickness of about 4½ feet, although the workable seams vary in thickness of from 2 to 7 feet. The more important mines now operating are in the immediate vicinity of Des Moines, but only those located within the city limits do a local business entirely, the others, having railroad connections, are doing shipping business. The majority of mines in Polk county now being operated are within a radius of six miles of the center of Des Moines.

At one time in its history Polk county mined nearly 2,000,000 tons of coal, most of which was shipped to points north and west. In recent years however the tonnage has dropped off until there is slightly over one-half million tons mined.

The coal mined in Polk county is a good bituminous product, equal to that produced elsewhere in the United States. It stores well and is in demand as a furnace fuel. It is claimed that it will store much better than the foreign coals which are shipped into Iowa each year.

Repeated analyses of coal produced in Polk county shows it to be high in heat unit value which runs from 11,000 to 13,000 B. T. U. to the pound. This puts Polk county coal on a level with many of the eastern coals shipped into the state, which by reason of high freight rates from other points, must sell for much higher prices than the coal mined in this county.

It would be difficult to place an estimate on the value of the coal industry to the people of Polk county, and especially to the city of Des Moines. The mining industry means much to the farmer by reason of the money received in royalties. It means much to the city of Des Moines because of the money paid to employees of the mining companies which finds its way into the trade channels of our city.

BOONE COUNTY

Boone county ranks second in coal production in the third inspection district in 1929 with a total production of 483,401 tons of all grades, an increase over 1928 of 83,943 tons. During 1928 Boone county took third place for the year's production, the total amount being 399,458 tons. During 1929 there were 11 mines in active operation of which 6 were shipping and 5 were local. For the calendar year of 1929 the mining companies of Boone county gave employment to 967 miners and other employees.

It is gratifying to note the splendid increase in the coal production in Boone county during 1929.

Boone county was one of the first counties of the state to assume prominence in the coal industry and mining has gone on steadily in the county for more than a third of a century. In the central part of the county where coal has been taken out for the greatest length of time, two principal seams have been opened up. In the southwestern part of the county around Angus, several veins are known to exist.

The principal mining in Boone county is done in the vicinity of Madrid near the southern border of the county. The Scandia Coal Co. operate two large producing mines of a high grade coal in this vicinity. Formerly there was a great deal of coal mined in the vicinity of Angus, and while the veins there average from 4 to 6 feet in thickness, there is usually a large body of water and sand overlying a thin strata of slate, making a bad roof, and coal cannot be mined at a profit. Near Ogden the seam runs from 3 to 5 feet in thickness and is found at a depth of 270 feet, the coal is of excellent quality, containing but little ash. Mining machines are being used in the mines here.

Most of the coal mined in this vicinity is mined on the longwall system and few accidents have occurred in the mines of Boone county during the biennial period.

No new mines have opened up in Boone county during the biennial period. However the old Ogden Coal Co. workings which ceased operations several years ago, was taken over by the Ft. Dodge, Des Moines & Southern R. R. Co. and reopened late during the summer of 1929 and the future prospects are that this mine will be one of the large coal producing mines of Boone county.

DALLAS COUNTY

Dallas county ranks third in production of coal for the calendar year of 1929. During 1928 this county ranked second, but in 1929

Boone county surpassed Dallas county by a total of 64,004 tons. During 1929 there were 4 mines in active operation in Dallas county, all of which are shipping mines having railroad connections.

For the year ending December 31, 1929, records show a total production of 419,397 tons of all grades. This is an increase of 145,927 tons over the previous year. During 1928 the total production of all grades of coal was 273,470 tons.

The mining companies during 1929 gave employment to 668 miners and other employees. The above is a splendid record for Dallas county and we trust the same good record can be maintained in future years.

Coal has been mined in Dallas county in a small way along the Raccoon river for many years at shallow depths, but it was not until 1907 that any large operations were undertaken in the county. Prospecting during 1907 at a greater depth than formerly, resulted in the Scandia Coal Co. sinking a shaft to a depth of 170 feet to a fine vein of coal, near the present sight of Scandia. Later the Dallas Coal Co. opened up a large mine north of Granger. Still later the Norwood White Coal Co. opened up a large mine with railroad connections at Moran. This was followed by the sinking of a shaft near Waukeet by the Shuler Coal Co. This shaft was driven to a depth of 373 feet to a splendid vein of coal. This mine is one of the deepest in the state.

All of the mines mentioned above are large producers and have added much to the wealth of Dallas county, which is classed as one of the richest farming counties in the state.

WEBSTER COUNTY

Webster county has practically ceased as a coal producing county. During 1928 there were but 4 mines in active operation producing a total tonnage of 9,036 tons. During 1929 there were but 2 mines operating the early part of the year, with a total tonnage of 1,150 tons or a decrease of 7,886 tons.

These two mines ceased operation early in the spring of 1929, and failed to reopen the following fall, therefore presume they are definitely closed.

There is considerable coal underlying Webster county south of Ft. Dodge and along the Des Moines river in the immediate vicinity of Coalville, Kalo, Otho and Lehigh, but not of sufficient quantity to induce capital to invest in a large way.

Webster county is also a large producer of commercial gypsum in paying quantities. There are 6 gypsum mines in active operation in the vicinity of Ft. Dodge.

GUTHRIE COUNTY

There is little or no change in the coal activities of Guthrie county since our last biennial report was issued. During 1928 there were 7 small local mines in operation producing a total tonnage of 8,901 tons. During 1929 there were 6 mines in operation producing a total of 9,409 tons, an increase of 508 tons. All mines in Guthrie county are small local mines, beginning operations about September of each year and are fairly active during the winter but cease operation during the summer months and do not open up again until the following fall. These mines supply local trade only within the vicinity wherein the mine is located. From 3 to 10 men are employed in the mines in this county, and in most part the gin method is used for hoisting. Mining is done on the longwall system as natural conditions favor this system. Coal thus mined is nearly all lump and of good quality, being very hard, bright and a free burner. Coal is found at a depth of 50 to 100 feet.

WARREN COUNTY

Warren county has shown a satisfactory increase in coal production in 1929 over the previous year. During 1929 the total tonnage of all

grades of coal amounted to 202,063 tons; during 1928, 163,290 tons, which shows an increase of 38,773 tons.

Eight mines are in active operation in Warren county, 2 of which are shipping and 6 local. The Great Western Coal Co. mine located near Orillia, and the Indian Valley Gloss Coal Co. mine located near Hartford, are the two mines with railroad connections and the increase in production of coal in Warren county is due to the mines mentioned above. The six small local mines are active during the fall and winter months and cease operations during the summer months, supplying local trade only.

Practically all of the mining in Warren county is in the northern part of the county, near Orillia, Carlisle and Hartford. However, there are a few small local mines in the southeastern corner near Lacona. A few years ago there were mines near Spring Hill and Summerset, but the mines in these localities have been abandoned.

The mining companies of this county gave employment to 375 miners and other employees during the year 1929.

Warren county has made a good showing for 1929 and we hope in the future to see a decided increase from year to year in the output of coal in said county.

GREENE COUNTY

Greene county is recognized as a small coal producing county. There were but three mines in operation in Greene county during the biennial period of 1928-29. The total tonnage for 1928 was 4,918 tons and for 1929 the tonnage was 7,069 tons, an increase of 2,151 tons. Operations begin in the fall and continue through the winter, but cease operations during the summer months, supplying the local trade within the vicinity of the mine. The gin system is used for hoisting. The tonnage for Greene county for 1929 is the largest since 1918 as records show a total tonnage of 9,976 tons that year and since then has run about 2,000 to 3,000 tons each year.

REPORT OF THIRD INSPECTION DISTRICT
EDWARD SWEENEY, Inspector
 Des Moines, Iowa
FATAL ACCIDENTS IN DISTRICT NO. 3
 1928

Date and Hour of Accident	Name and Occupation	Age	Married or Single	No. of Children	Cause of Death	Employing Company and County
Mar. 22, 11:30 a. m.	Chas. White, miner.....	51	Married.....	3	Fall of slate.....	Norwood White Coal Co., Polk
Aug. 27, 9:45 a. m.	Santeen Vignaroli, miner.....	24	Single.....	5	Fall of slate.....	Norwood White Coal Co., Polk
Oct. 30, 3:52 p. m.	Lee Wolf, miner.....	48	Married.....	5	Electrocuted.....	Norwood White Coal Co., Polk
Nov. 9, 2:00 p. m.	Wm. Heathcote, miner.....	46	Single.....	2	Fall of slate.....	Bennett Bros. Coal Co., Polk
Dec. 19, 2:30 p. m.	A. W. Poe, miner.....	40	Married.....	2	Thrown under car.....	Beck Coal Co., Polk
Dec. 3, 8:30 a. m.	Wm. Alton, miner.....	29	Married.....	4	Slate fall.....	Midway Coal Co., Warren
May 8, 3:45 p. m.	E. Robertson, machine man.....	26	Single.....	1	Electrocuted.....	Indian Val. Gloss Coal Co., Warren
Mar. 21, 5:00 p. m.	W. C. Carla, shot firer.....	26	Single.....	1	Coal shot.....	Shuler Coal Co., Dallas
Aug. 28, 3:15 p. m.	N. W. Parting, driver.....	47	Married.....	1	Crushed by car.....	Shuler Coal Co., Dallas
Sept. 7, 1:00 p. m.	Lee Roy Thomas, driver.....	27	Single.....	1	Unknown.....	Shuler Coal Co., Dallas
Sept. 11, 10:00 a. m.	Tony Mendina, miner.....	21	Single.....	1	Slate fall.....	Scandia Coal Co., Boone
Oct. 30, 10:00 a. m.	A. Robinson, miner.....	50	Married.....	1	Slate fall.....	Scandia Coal Co., Boone
Aug. 31, 3:15 p. m.	Geo. Johnson, driver.....	47	Married.....	1	Struck by car.....	Shuler Coal Co., Dallas

1929

Date and Hour of Accident	Name and Occupation	Age	Married or Single	No. of Children	Cause of Death	Employing Company and County
Feb. 18, 4:30 p. m.	T. Papas, shot firer.....	37	Married.....	6	Firing shot.....	Beck Coal & Mining Co., Polk
Mar. 6, 10:45 a. m.	A. Santl, miner.....	19	Single.....	1	Slate fall.....	Scandia Coal Co., No. 4, Boone
Mar. 18, 9:00 a. m.	C. Cooley, driver.....	30	Single.....	1	Crushed under car.....	Norwood White C. Co. No. 8, Polk
April 23, 9:15 a. m.	H. Chipchase, miner.....	50	Married.....	3	Slate fall.....	Bennett Bros. Coal Co., Polk
June 11, 3:00 p. m.	C. Christensen, foreman.....	60	Married.....	3	Crushed by car.....	Clover Leaf Coal & Mng. Co., Polk
June 23, 2:30 p. m.	D. Uttersen, miner.....	57	Married.....	1	Slate fall.....	Norwood White C. Co. No. 8, Polk
Oct. 7, 9:00 a. m.	C. Shires, mach. helper.....	38	Married.....	2	Slate fall.....	Central Service Co. No. 5, Polk
Oct. 29, 2:00 p. m.	D. Burton, miner.....	26	Married.....	1	Fall of boulder.....	Scandia Coal Co. No. 6, Boone

NON-FATAL ACCIDENTS IN DISTRICT NO. 3—1928

Date and Hour of Accident	Name and Occupation	Cause of Accident	Nature of Injury	Employing Company and County
Nov. 3, 3:00 p. m.	A. McCarty, miner.....	Fall of coal.....	Fractured toe.....	Central Service Co. No. 5, Polk
Nov. 9, 2:00 p. m.	W. Heathcote, miner.....	Fall of slate.....	Hip crushed.....	Bennett Bros. Coal Co. No. 2, Polk
Nov. 10, 11:45 p. m.	L. Oyres, miner.....	Lifting coal on car.....	Sprained back.....	Norwood White Coal Co. No. 8, Polk
Nov. 14, 10:00 a. m.	S. Bodgley, miner.....	Machine struck foot.....	Fractured toe.....	Central Service Co. No. 5, Polk
Nov. 17, 3:15 p. m.	A. Ansley, miner.....	Fall of coal.....	Injured fingers.....	Norwood White Coal Co. No. 8, Polk
Nov. 22, 3:00 p. m.	V. Tassin, miner.....	Back fire of engine.....	Right wrist fractured.....	Central Service Co. No. 5, Polk
Nov. 28, 9:00 a. m.	John Reed, miner.....	Fall of dirt.....	Finger fractured.....	Norwood White Coal Co. No. 8, Polk
Nov. 28, 10:00 a. m.	E. Enzer, miner.....	Pushing car.....	Left foot injured.....	Central Service Co. No. 5, Polk
Dec. 7, 12:30 p. m.	O. Carlson, blacksmith.....	Coal fell down shaft.....	Injured finger.....	Central Service Co. No. 5, Polk
Dec. 31, 2:00 p. m.	John Brown, eager.....	Fall of slate.....	Shoulder, hip, ankle inj'd.....	Scandia Coal Co. No. 4, Boone
Jan. 1, 10:30 a. m.	J. L. Spencer, miner.....	Trip landing bumped car.....	Injured head, foot, knee.....	Scandia Coal Co. No. 4, Boone
Jan. 23, 11:25 a. m.	O. Reese, superintendent.....	Flying coal particle.....	Injured right eye.....	Scandia Coal Co. No. 4, Boone
Feb. 21, 11:00 a. m.	R. Slaughter, miner.....	Fall of slate.....	Two ribs fractured.....	Scandia Coal Co. No. 4, Boone
Feb. 24, 1:00 p. m.	T. Anick, miner.....	Finger caught loading coal.....	Little finger crushed.....	Scandia Coal Co. No. 4, Boone
Feb. 29, 3:00 p. m.	V. Giotreddi, miner.....	Fall of slate.....	Right foot crushed.....	Scandia Coal Co. No. 4, Boone
Feb. 29, 9:30 a. m.	G. Vukovich, miner.....	Caught between rail and gob.....	Two fingers crushed.....	Scandia Coal Co. No. 4, Boone
Mar. 28, 8:30 p. m.	J. A. Jones, miner.....	Fall of coal.....	Injured left leg.....	Scandia Coal Co. No. 4, Boone
Mar. 7, 3:30 a. m.	L. Banks, miner.....	Lost control motor, jumped.....	Finger broken, head cut.....	Scandia Coal Co. No. 4, Boone
April 16, 7:05 a. m.	C. Sullivan, motorman.....	Coal fell from car.....	Left leg broken.....	Scandia Coal Co. No. 4, Boone
April 26, 2:00 p. m.	G. Blomdi, miner.....	Flying sulphur.....	Left ribs injured.....	Scandia Coal Co. No. 4, Boone
June 8, 1:00 p. m.	Fred Howard, miner.....	Fall of slate.....	Injured right eye.....	Scandia Coal Co. No. 4, Boone
June 18, 8:30 a. m.	G. Krusic, timberman.....	Flying coal particle.....	Left thumb injured.....	Scandia Coal Co. No. 4, Boone
June 20, 11:00 a. m.	H. Clevinger, miner.....	Fall of slate.....	Cut palm right hand.....	Scandia Coal Co. No. 4, Boone
June 20, 11:30 a. m.	A. Larson, miner.....	Loading car.....	Right foot crushed.....	Scandia Coal Co. No. 4, Boone
July 29, 1:00 p. m.	J. Davis, miner.....	Caught under car.....	Foot and ankle injured.....	Scandia Coal Co. No. 4, Boone
Aug. 14, 1:00 p. m.	D. Foster, miner.....	Fall of slate.....	Right wrist fractured.....	Scandia Coal Co. No. 4, Boone
Oct. 11, 11:00 p. m.	V. Glopeddi, miner.....	Loading car.....	Injured left eye.....	Scandia Coal Co. No. 4, Boone
Oct. 26, 8:00 a. m.	F. Spencer, engineer.....	Flying coal particle.....	Sprained back.....	Norwood White Coal Co. No. 8, Polk
Nov. 8, 6:30 a. m.	J. Parkins, miner.....	Lifting car.....	Body injury.....	Norwood White Coal Co. No. 8, Polk
Jan. 28, 10:00 p. m.	F. Gnader, miner.....	Fall of slate.....	Sprained left foot.....	Norwood White Coal Co. No. 8, Polk
Jan. 27, 9:00 p. m.	G. Potts, miner.....	Caught, timber and car.....	Infection left hand.....	Bennett Bros. Coal Co., Polk
Jan. 25, 10:00 a. m.	M. Raspick, driver.....	Miners shot.....	Sprained shoulder.....	Bennett Bros. Coal Co., Polk
Feb. 8, 1:30 p. m.	M. Rastovac, miner.....	Fall of coal.....	Sprained wrist.....	Bennett Bros. Coal Co., Polk
Feb. 18, 11:00 a. m.	M. Pitnic, miner.....	Cutting coal.....	Ankle injured.....	Norwood White Coal Co. No. 8, Polk
Feb. 23, 3:00 p. m.	S. Magnini, miner.....	Fall of slate.....	Bruised shoulder and finger.....	
Feb. 23, 9:15 a. m.	H. M. Hoops, miner.....	Fall of slate.....		
Feb. 27, 2:00 p. m.	T. H. Nesbit, miner.....	Fall of slate.....		

NON-FATAL ACCIDENTS IN DISTRICT NO. 3, 1928—Continued

42

Date and Hour of Accident	Name and Occupation	Cause of Accident	Nature of Injury	Employing Company and County
Mar. 3, 12:30 p. m.	N. Nelson, miner	Loading car, fell	Back injured	Norwood White Coal Co. No. 8, Polk
Mar. 10, 8:30 a. m.	A. Lamberti, miner	Lifting slate	Back sprained	Beck Coal & Mining Co., Polk
Mar. 12, 11:30 a. m.	W. Holmes, miner	Fall of slate	Injured right side and leg	Beck Coal & Mining Co., Polk
Mar. 17, 10:00 a. m.	C. Johnston, timberman	Fall of slate	Leg broken	Urbansdale Coal Co., Polk
April 1, 2:00 p. m.	C. King, miner	Slipped and fell	Injured side	Urbansdale Coal Co., Polk
April 16, 9:30 a. m.	T. Zelhin, miner	Slipped and fell	Rib fractured	Norwood White Coal Co. No. 8, Polk
April 24, 7:40 a. m.	M. Rappich, driver	Car over body	Dislocated shoulder	Norwood White Coal Co. No. 8, Polk
May 17, 12:00 noon	F. Gnader, miner	Fall of slate	Right hip injured	Norwood White Coal Co. No. 8, Polk
May 19, 2:00 p. m.	P. Dante, miner	Slipped and fell	Lacerated hip	Norwood White Coal Co. No. 8, Polk
May 21, 5:00 p. m.	S. Tazola, miner	Crawling through crosscut	Injured right knee	Norwood White Coal Co. No. 8, Polk
June 4, 11:30 a. m.	A. Carzoli, driver	Caught, car and rib	Injured left leg	Norwood White Coal Co. No. 8, Polk
June 9, 9:00 a. m.	M. Cajanovich, miner	Fall of coal	Injured leg	Norwood White Coal Co. No. 8, Polk
July 23, 10:00 a. m.	T. Oyers, spragger	Coal caused turn of ankle	Injured left knee	Norwood White Coal Co. No. 8, Polk
Aug. 20, 8:30 a. m.	S. Jones, driver	Mule stepped on foot	Toe broken	Gibson Coal Co., Polk
Sept. 6, 1:00 p. m.	A. Carpenter, miner	Dropped rail on hand	Finger injured	Norwood White Coal Co. No. 8, Polk
Sept. 24, 8:00 a. m.	S. Porter, miner	Lifting slate	Sprained back	Beck Coal & Mining Co., Polk
Sept. 25, 10:00 a. m.	L. Cross, miner	Bar slipped striking foot	Fractured left foot	Beck Coal & Mining Co., Polk
Sept. 29, 11:45 a. m.	J. Fillman, driver	Caught between car and rib	Chest injured, broken arm	Norwood White Coal Co. No. 8, Polk
Oct. 11, 8:00 a. m.	B. Vignaroli, miner	Struck lump coal	Fractured rib	Norwood White Coal Co. No. 8, Polk
Oct. 15, 9:30 a. m.	M. B. Wadsworth, miner	Pinched loading car	Two fingers injured	Norwood White Coal Co. No. 8, Polk
Oct. 15, 3:00 p. m.	V. Brown, driver	Fought foot, car and prop.	Ankle sprained	Urbansdale Coal Co., Polk
Nov. 23, 3:15 p. m.	J. Castello, miner	Fall of coal, loading	Injured left side	Scandia Coal Co. No. 4, Boone
Nov. 26, 8:00 a. m.	J. Hutchinson, miner	Fall of slate	Injured thumb and finger	Scandia Coal Co. No. 4, Boone
Nov. 28, 3:00 a. m.	B. Wilson, miner	Flying coal particle	Injured left eye	Scandia Coal Co. No. 4, Boone
Jan. 10, 10:00 a. m.	F. Pollish, driver	Caught, trip and rib	Right foot fractured	Dallas Products Co. No. 1, Dallas
Jan. 10, 9:00 a. m.	G. King, miner	Lifting coal	Sprained back	Norwood White C. Co. No. 7, Dallas
Jan. 12, 10:00 a. m.	J. Matoya, miner	Claimed bad air	Lungs affected	Norwood White C. Co. No. 7, Dallas
Feb. 8, 2:00 p. m.	F. Van Esghir, miner	Slipped pushing car	Left wrist fractured	Dallas Products Co. No. 1, Dallas
Feb. 8, 10:30 a. m.	N. Gaspar, trailer	Finger under trip	Finger lacerated	Dallas Products Co. No. 1, Dallas
Feb. 28, 3:00 p. m.	D. Battani, trapper	Finger in wheel and rope	Little finger amputated	Norwood White C. Co. No. 7, Dallas
Mar. 20, 10:00 a. m.	E. Vignaroli, miner	Fall of slate	Head and back injured	Norwood White C. Co. No. 7, Dallas
Mar. 21, 10:00 a. m.	T. Nigronette, miner	Fall of slate	Head cut and bruised	Dallas Products Co. No. 1, Dallas
Mar. 21, 11:00 a. m.	H. Lambrite, miner	Fall of coal	Large toe fractured	Dallas Products Co. No. 1, Dallas
Mar. 22, 10:30 a. m.	G. Skinner, dirt man	Unloading dirt	Sprained back	Scandia Coal Co. No. 8, Dallas
Mar. 29, 10:30 a. m.	R. Edwards, driver	Dropped foot on foot	Left foot injured	Norwood White C. Co. No. 7, Dallas
Oct. 2, 3:00 p. m.	F. Podavick, miner	Fall of slate	Head cut	Scandia Coal Co. No. 8, Dallas
Oct. 10, 1:00 p. m.	J. Ghine, coupler	Caught between cars	Left shoulder bruised	Norwood White C. Co. No. 7, Dallas
Oct. 16, 10:00 a. m.	E. Vignaroli, Cager	Finger caught, car and cage	Finger crushed	Norwood White C. Co. No. 7, Dallas

REPORT IOWA MINE INSPECTORS

Nov. 30, 3:00 p. m.	John Carzoli, driver	Caught between cars	Left ankle fractured	Norwood White C. Co. No. 7, Dallas
Dec. 6, 1:00 p. m.	Z. Valentini, miner	Fall of coal	Head cut, back sprained	Norwood White C. Co. No. 7, Dallas
Dec. 13, 10:00 a. m.	E. Vagnaroli, driver	Squeezed under car	Stomach injured	Norwood White C. Co. No. 7, Dallas
Sept. 8, 12:00 noon	T. Johnson, machine helper	Car wheel	End of finger cut off	Indian Valley Gloss Coal Co., Warren
Sept. 23, 11:00 a. m.	L. Lamar, miner	Fall of coal	Injured hand and shoulder	Indian Valley Gloss Coal Co., Warren
Nov. 23, 10:00 a. m.	F. Hills, helper	Loading machine on car	End finger amputated	Indian Valley Gloss Coal Co., Warren
Nov. 25, 7:00 p. m.	Chas. Little, driver	Kicked by mule	Shoulder injured	Indian Valley Gloss Coal Co., Warren
Nov. 10, 2:00 p. m.	B. Halterman, driver	Car left track	Finger injured	Indian Valley Gloss Coal Co., Warren

NON-FATAL ACCIDENTS IN DISTRICT NO. 3—1929

Nov. 16, 1:00 p. m.	T. Malcomb, miner	Fall of slate	Fracture left leg	Gibson Coal Co., Polk
Mar. 14, 10:00 a. m.	E. Branscomb, miner	Flying particle sulphur	Right eye injury	Beck Coal & Mining Co., Polk
Feb. 28, 3:00 p. m.	F. Hockins, miner	Fall of slate	Split large toe	Bennett Bros. Coal Co. No. 2, Polk
Feb. 11, 12:00 noon	J. Hockins, miner	Fall of slate	Toe right foot crushed	Bennett Bros. Coal Co. No. 2, Polk
Aug. 6, 11:00 a. m.	D. W. McDonald, timberman	Fall of coal	Back sprained	Bennett Bros. Coal Co. No. 2, Polk
Jan. 4, 2:00 p. m.	John Farrin, miner	Foot under loaded car	Toe fractured	Bennett Bros. Coal Co. No. 2, Polk
Jan. 19, 9:00 a. m.	L. Fuchini, miner	Loading cars	Shoulder injured	Bennett Bros. Coal Co. No. 2, Polk
Dec. 31, 10:00 a. m.	Todd Hill, miner	Fall of slate	Back sprained	Central Service Co. No. 5, Polk
Jan. 11, 11:00 a. m.	R. White, miner	Fall of slate	Head and shoulder injured	Central Service Co. No. 5, Polk
Jan. 22, 10:00 a. m.	T. Winfield, miner	Loading coal	Finger crushed	Central Service Co. No. 5, Polk
Jan. 29, 9:00 a. m.	N. Barreau, miner	Caught—car and rib	Arm crushed	Central Service Co. No. 5, Polk
Sept. 20, 3:30 p. m.	H. O. Martin, top man	Lifting car	Back sprained	Central Service Co. No. 5, Polk
Oct. 15, 9:30 a. m.	Sam Ceretta, miner	Flying particle sulphur	Eye injured	Central Service Co. No. 6, Polk
Oct. 15, 12:30 p. m.	A. Kasinsky, miner	Loading dirt	Hand injured	Central Service Co. No. 6, Polk
Oct. 23, 2:45 p. m.	R. Hill, machine man	Rope back fell	Finger fractured	Central Service Co. No. 6, Polk
Oct. 28, 9:00 a. m.	Glen Ray, driver	Caught—car and rib	Fingers fractured	Des Moines Coal Co., Polk
Mar. 5, 10:00 a. m.	Wm. Hoadley, miner	Fall of slate	Head and legs injured	Independent Coal Co., Polk
Feb. 8, 8:00 a. m.	H. Williams, cager	Caught car and post	Hip and legs injured	Norwood White C. Co. No. 8, Polk
July 25, 11:00 a. m.	H. Barnard, miner	Fall of slate	Back injured	Norwood White C. Co. No. 8, Polk
June 19, 3:00 p. m.	G. Mikolovich, miner	Slipped and fell	Left arm injured	Norwood White C. Co. No. 8, Polk
June 15, 4:30 p. m.	L. Brugonia, miner	Slipped and fell	Right arm injured	Norwood White C. Co. No. 8, Polk
June 15, 10:00 a. m.	F. Taraski, miner	Fall of slate	Right body injured	Norwood White C. Co. No. 8, Polk
June 24, 3:30 p. m.	P. Dante, miner	Caught under car	Right foot injured	Norwood White C. Co. No. 8, Polk
Feb. 18, 10:00 a. m.	A. Zarona, timberman	Loading coal	Finger bruised, infected	Norwood White C. Co. No. 8, Polk
Feb. 1, 11:00 a. m.	A. Coscia, miner	Fall of slate	Back injured	Norwood White C. Co. No. 8, Polk
Feb. 15, 9:15 a. m.	J. Shanahan, miner	Fall of coal	Left knee injured	Norwood White C. Co. No. 8, Polk
Feb. 1, 4:00 p. m.	C. Jackovich, machine man	Fall of coal	Left shoulder injured	Norwood White C. Co. No. 8, Polk
April 29, 8:00 a. m.	C. Puvind, miner	Fall of coal	Right foot, ankle injured	Norwood White C. Co. No. 8, Polk
April 11, 3:00 p. m.	O. Sorenson, miner	Fall of slate	Left wrist injured	Norwood White C. Co. No. 8, Polk
April 18, 10:00 a. m.	B. Chesel, miner	Fall of slate	Arm and leg injured	Norwood White C. Co. No. 8, Polk
Sept. 16, 1:45 p. m.	Joe Ziebert, miner	Caught—motor, door frame	Ribs fractured	Norwood White C. Co. No. 8, Polk
Aug. 1, 3:15 p. m.	A. B. Gribler, motorman	Fall of coal	Left ankle injured	Norwood White C. Co. No. 8, Polk
Oct. 24, 3:00 p. m.	J. Cunningham, miner	Fall of coal	Back injured	Norwood White C. Co. No. 8, Polk
Oct. 29, 2:00 p. m.	B. Chesel, miner	Loading dirt on car	Right foot injured	Norwood White C. Co. No. 8, Polk
Oct. 14, 3:00 p. m.	Ed. Cooley, miner	Fall of coal		

STATISTICS OF IOWA MINING

43

NON-FATAL ACCIDENTS IN DISTRICT NO. 3, 1929—Continued

44

REPORT IOWA MINE INSPECTORS

Date and Hour of Accident	Name and Occupation	Cause of Accident	Nature of Injury	Employing Company and County
Feb. 22, 10:30 a. m.	Joe Witt, laborer	Fell with prop.	Shoulder blade fractured.	Dallas Fuel Co., Dallas
Feb. 2, 10:30 a. m.	L. A. Walker, miner	Fall of coal	Right foot crushed.	Norwood White C. Co. No. 7, Dallas
Feb. 20, 10:30 a. m.	A. Bertina, miner	Flying particle coal	Left eye injured.	Norwood White C. Co. No. 7, Dallas
Feb. 2, 10:30 a. m.	M. Gibilino, miner	Fall of coal	Right foot injured.	Norwood White C. Co. No. 7, Dallas
Jan. 19, 11:00 a. m.	Joe Gilme, timberman	Pulling track	Back sprained	Norwood White C. Co. No. 7, Dallas
Mar. 7, 12:30 p. m.	John Carlson, miner	Fell on rails	Fingers crushed	Scandia Coal Co. No. 4, Dallas
Feb. 13, 8:30 a. m.	T. Tadey, miner	Cutting props	Thumb cut	Scandia Coal Co. No. 5, Dallas
Jan. 19, 9:30 a. m.	W. Treat, miner	Squeezed—car and rib	Back and ribs injured.	Scandia Coal Co. No. 5, Dallas
Sept. 28, 3:00 p. m.	M. Krueh, miner	Shoveling coal	Back sprained	Norwood White C. Co. No. 7, Dallas
Sept. 13, 3:00 p. m.	S. Centarino, miner	Flying particle coal	Left eye injured.	Norwood White C. Co. No. 7, Dallas
Nov. 24, 10:30 a. m.	C. Lambert, driver	Fall of slate	Left ankle crushed	Dallas Fuel Co., Dallas
Oct. 3, 9:30 a. m.	F. Renslow, miner	Warped timbers in cage	Leg fractured	Slpe Coal Co., Guthrie
Oct. 14, 3:00 p. m.	Tony Turk, miner	Unknown	Left knee injured.	Indian Valley Gloss Coal Co., Warren
Aug. 29, 3:00 p. m.	F. Rutberford, slate picker	Squeezed—car and tippie	Hips injured	Indian Valley Gloss Coal Co., Warren
Jan. 28, 10:30 a. m.	T. Johnson, machine man	Moving machine from truck	Right foot crushed.	Indian Valley Gloss Coal Co., Warren
Jan. 24, 11:00 a. m.	Tony Turk, miner	Fall of coal	Left ankle crushed	Indian Valley Gloss Coal Co., Warren
Mar. 2, 3:00 p. m.	V. Howard, machine man	Squeezed—car and rib	Finger lacerated	Indian Valley Gloss Coal Co., Warren
July 25, 9:00 a. m.	B. Halterman, driver	Contact electric wire	Severe shock	Indian Valley Gloss Coal Co., Warren
July 1, 2:00 p. m.	Geo. Potts, miner	Snubbing coal fall	Knee injured	Scandia Coal Co. No. 4, Boone
Jan. 13, 1:00 p. m.	T. Borovich, timberman	Flying particle coal	Left eye injured.	Scandia Coal Co. No. 4, Boone
Feb. 8, 1:00 p. m.	S. Jenkins, track man	Flying particle dirt	Left eye injured.	Scandia Coal Co. No. 4, Boone
Feb. 8, 7:00 a. m.	E. Miller, miner	Slipped on steps	Back, shoulders sprained.	Scandia Coal Co. No. 4, Boone
April 19, 9:30 a. m.	S. Brackett, miner	Fall of slate	Head, shoulders injured.	Scandia Coal Co. No. 4, Boone
May 23, 1:00 p. m.	J. Kuchonek, miner	Flying particle coal	Right eye injured.	Scandia Coal Co. No. 4, Boone
June 13, 2:00 p. m.	L. Gibbs, cager	Coal fell down shaft	Left foot fractured.	Scandia Coal Co. No. 4, Boone
June 16, 1:00 p. m.	M. Yursich, timberman	Fall of slate	Right arm fractured.	Scandia Coal Co. No. 4, Boone
July 5, 2:00 p. m.	R. Spray, miner	Flying particle coal	End of finger amputated.	Scandia Coal Co. No. 4, Boone
July 5, 12:30 p. m.	M. Tolgan, miner	Loading coal	Fingers lacerated	Scandia Coal Co. No. 4, Boone
July 16, 11:00 a. m.	J. B. Wilson, trip rider	Hand caught throwing latch	Finger crushed	Scandia Coal Co. No. 4, Boone
Aug. 14, 12:30 p. m.	D. Blodine, miner	Loading coal	Left thumb cut.	Scandia Coal Co. No. 4, Boone
Aug. 8, 8:00 a. m.	J. Hunt, miner	Axe slipped	Finger lacerated	Scandia Coal Co. No. 4, Boone
Aug. 22, 11:00 a. m.	Ray Gibbs, trip rider	Car run over block	Left eye injured.	Scandia Coal Co. No. 4, Boone
Aug. 27, 11:30 a. m.	W. Southall, miner	Flying particle coal	Cut—head, and shoulders.	Scandia Coal Co. No. 4, Boone
Sept. 10, 10:00 a. m.	M. Monfredini, miner	Fall of slate	Eye injured	Scandia Coal Co. No. 4, Boone
Oct. 4, 11:00 a. m.	J. Malone, miner	Flying particle coal	Right eye injured.	Scandia Coal Co. No. 6, Boone
Oct. 17, 2:00 p. m.	D. Isaacson, miner	Flying particle coal	Hand lacerated	Scandia Coal Co. No. 6, Boone
Jan. 9, 7:30 a. m.	J. Kadosioric, miner	Fall of slate		
Feb. 23, 8:30 a. m.	Joe Fargnoli, miner	Loading coal		
Feb. 14, 2:00 p. m.	Tom Pepel, miner			

Nov. 9, 10:00 a. m.	A. Murlison, miner	Flying particle coal	Right eye injured	Scandia Coal Co. No. 4, Boone
Nov. 12, 2:45 p. m.	J. S. Timmons, miner	Fall of coal	Finger crushed	Scandia Coal Co. No. 4, Boone
June 11, 2:00 p. m.	O. Smith, timberman	Fall of slate	Ankle sprained, face cut.	Riverside Coal Co., Webster
Nov. 19, 1:40 a. m.	D. Nizzi, timberman	Powder explosion	Hands, arms, face burned.	Central Service Co. No. 6, Polk
Nov. 19, 1:40 a. m.	O. Nizzi, timberman	Powder explosion	Hands, arms, face burned.	Central Service Co. No. 6, Polk
Nov. 19, 1:40 a. m.	R. Hill, miner	Powder explosion	Hands, arms, face burned.	Central Service Co. No. 6, Polk
Nov. 2, 3:00 p. m.	L. Bartottelle, miner	Kneeling on coal	Lost sight one eye.	Central Service Co. No. 6, Polk
Nov. 6, 3:30 p. m.	J. Capatine, miner	Fell on prop.	Knee injured	Scandia Coal Co. No. 6, Boone
Nov. 27, 2:10 p. m.	H. Steinbeck, timberman	Lifting timbers	Back injured	Scandia Coal Co. No. 6, Boone
Nov. 30, 10:30 a. m.	H. Lewis, miner	Kneeling on coal	Knee injured	Scandia Coal Co. No. 6, Boone
Nov. 7, 11:00 a. m.	T. Battani, miner	Caught between cars	Hip and leg injured.	Norwood White C. Co. No. 7, Dallas
Nov. 8, 11:00 a. m.	M. Blandich, miner	Fall of coal	Right foot injured.	Norwood White Coal Co. No. 8, Polk
Nov. 6, 1:30 p. m.	A. Lonsenburg, miner	Shoveling dirt in gob	Back injured	Norwood White Coal Co. No. 8, Polk
Nov. 9, 9:00 a. m.	W. Cobley, track layer	Cars broke from trip	Bruised knee cap.	Scandia Coal Co. No. 6, Boone
Dec. 11, 8:00 a. m.	J. Heathcot, miner	Flying particle coal	Right eye injured.	Scandia Coal Co. No. 6, Boone
Dec. 11, 10:00 a. m.	A. Hargus, miner	Fall of slate	Rib broken	Scandia Coal Co. No. 6, Boone
Dec. 16, 9:30 a. m.	R. Baker, miner	Fall of slate	Back and hips injured.	Scandia Coal Co. No. 4, Boone
Dec. 28, 10:25 a. m.	T. Petteslee, miner	Caught—car and rib	Hips and legs injured.	Scandia Coal Co. No. 4, Boone
Dec. 7, 10:00 a. m.	Wm. Daugherty, dirt man	Flying particle coal	Right eye injured.	Scandia Coal Co. No. 4, Boone
Dec. 14, 10:00 a. m.	J. Cavil, miner	Flying particle coal	Fractured bone of foot.	Dallas Fuel Co. No. 1, Dallas
Dec. 27, 9:00 a. m.	J. Hutehson, miner	Foot caught under car	Toe crushed	Urbandale Coal Co., Polk
Dec. 22, 3:30 p. m.	E. McIntire, top man	Fall of coal in room	Toe crushed	Urbandale Coal Co., Polk
Dec. 30, 1:00 p. m.	C. Wambgan, miner	Fall of slate	Face cut and bruised.	Urbandale Coal Co., Polk
Dec. 2, 2:00 p. m.	F. Johnson, miner	Kicked by mule	Fractured wrist	Urbandale Coal Co., Polk
Oct. 14, 8:00 a. m.	P. Brown, driver	Slipped and fell	Two fingers crushed.	Indian Valley Gloss Coal Co., Warren
Aug. 9, 9:00 a. m.	G. Erickson, miner	Caught in chain	Leg cut and bruised.	Central Service Co. No. 5, Polk
Nov. 21, 10:00 a. m.	Wm. Cole, Machine man	Fall of coal	Finger crushed	Central Service Co. No. 6, Polk
Dec. 9, 3:30 p. m.	Geo. Smith, driver	Loading coal	Finger crushed	
Dec. 11, 8:30 a. m.	W. Haynes, miner	Loading coal		
Dec. 20, 3:30 p. m.	A. Passnell, miner	Loading coal		

STATISTICS OF IOWA MINING

FATAL ACCIDENTS IN DISTRICT NO. 3
Classified by Cause of Accident and Occupation of Injured
For the Years 1928 and 1929

REPORT IOWA MINE INSPECTORS

Cause of Accidents (U. S. Bureau of Mines Classification)		Miners	Loaders	Drivers	Top men	Machine men	Entry men	Company men	Shot fire	Track man	Foreman	Engineer	Miner	Timberman	Loader	Driver	Machine man	Entry men	Company man	Track man	Shot fire	Cager	Check weighman	Top man	Engineer	Mechanic	Spragger	Trapper	Electrician	Foreman
1.	Fall of roof (rock, slate, etc.)																													
	At working face	1																												
2.	Fall of roof (rock, slate, etc.)																													
	In room or chamber	3				1																								
3.	Fall of roof (rock, slate, etc.)																													
	In road or entry	6																												
4.	Fall of coal:																													
	(a) Fall of coal at face																													
	(b) Fall of pillar coal																													
5.	Mine cars and locomotives:																													
	(a) Run over by car			2																										
	(b) Caught between car and rib																													
	(c) Caught between car and timber																													
	(d) Caught between car and top																													
	(e) Putting car on track																													
	(f) Fall from car or motor																													
	(g) Switching or spragging																													
	(h) Coupling cars																													
	(i) Fall from railroad car																													
	(j) Runaway car on trip																													
	(k) Caught between cars	1																												
	(l) Pushing cars			1																										
	(m) Cars jumping track and collisions																													
6.	Electricity:																													
	(a) High tension or mining machines	1				1																								
	(b) Electric welders, etc.																													
7.	Animals:																													
	(a) Caught in harness																													
	(b) Mule fell down																													
	(c) Kicked by mule																													
	(d) Mule run away																													
	(e) Squeezed by mule																													
	(f) Shoeing mule or pony																													
8.	Miscellaneous:																													
	(a) Caught in cage																													
	(b) Flying particles hitting eye																													
	(c) Loading coal, rock, slate and dirt																													
	(d) Falling rails and timbers																													
	(e) Caught in fall rope																													
	(f) Caught in conveyors and cables																													
	(g) Caught in trap door																													
	(h) Repairing machinery																													

STATISTICS OF IOWA MINING

LIST OF OPERATING COAL COMPANIES, SUPERINTENDENTS, ETC., IN DISTRICT NO. 1

APPANOOSE COUNTY

Name of Company and Number of Mine	Superintendent	Address	Shaft or Slope	Plan of Working	How Ventilated	Power Used	Shipping or Local
Appanoose Coal & Mining Co.	Robt. Hunter	Centerville	Shaft	Longwall	Fan	Electricity	S. I. U. Co.
Armstrong Coal Co.	Chas. Harrison	Cincinnati	Shaft	Room and Pillar	Fan	Steam	C., B. & Q. R. R.
Barrett Coal Co.	Jno. Barrett	Mystic	Slope	Longwall	Furnace	Electricity	C., M. & St. P. R. R.
Bradshaw Coal Co.	Don Bradshaw	Dean, Rt. 1	Shaft	Longwall	Furnace	Horse	Local
Battle Creek Coal Co.	Roy Stoner	Mystic, Rt. 2	Slope	Longwall	Furnace	Horse	Local
Big Slope Coal Co.	John Kennis	Centerville Rt. 3	Slope	Longwall	Furnace	Gas Engine	Local
Buban Coal Co.	John Buban	Mystic, Rt. 1	Slope	Longwall	Furnace	Horse	Local
Byte Coal Co.	V. Byte	Centerville Rt. 3	Slope	Longwall	Fan	Gas Engine	Local
Caldwell Coal Co.	R. Caldwell	Exline	Slope	Longwall	Furnace	Gas Engine	Local
Centerville Coal Co.	J. Pancrazio	Centerville	Slope	Longwall	Fan	Electricity	Local
Center Coal Co.	L. Anderson	Centerville	Shaft	Longwall	Fan	Electricity	C., R. I. & P. R. R.
Clark Coal Co.	Dan Clark	Centerville	Shaft	Longwall	Fan	Steam	Local
Citizens Coal Co.	H. G. Graham	Centerville	Shaft	Longwall	Fan	Electricity	S. I. U. Co.
Colgan Coal Co.	Jas. Colgan	Mystic	Shaft	Longwall	Fan	Electricity	Local
Columbus Coal Co.	C. Cuchira	Centerville	Slope	Longwall	Fan	Electricity	Local
Diamond Lump Coal Co.	W. M. Evans	Centerville	Shaft	Longwall	Fan	Electricity	C., B. & Q. R. R.
Domestic Coal Co.	A. Horrocks	Mystic	Shaft	Longwall	Fan	Steam	Local
Duff Coal Co.	W. H. Duff	Mystic, Rt. 2	Shaft	Longwall	Fan	Horse	Local
Egypt Coal Co.	A. V. Vinell	Centerville	Slope	Longwall	Furnace	Steam	C., M. & St. P. R. R.
Empire Coal Co.	W. Krapfel	Centerville	Shaft	Longwall	Fan	Electricity	S. I. U. Co.
Enterprise Coal Co.	A. A. Owens	Numa	Shaft	Longwall	Fan	Horse	Local
Fairlawn Coal Co.	T. Lundgren	Centerville	Shaft	Longwall	Fan	Electricity	Local
Fenton Coal Co.	W. Lyons	Centerville, Rt. 2	Shaft	Longwall	Fan	Horse	Local
Friendship Coal Co.	D. Richardson	Cincinnati	Shaft	Longwall	Furnace	Horse	Local
Garfield Coal Co.	Wm. Bradley	Centerville	Shaft	Longwall	Fan	Electricity	C., B. & Q. R. R.
Guinn Coal Co.	Ira Guinn	Coal City	Slope	Room and Pillar	Furnace	Horse	Local
Happy Hollow Coal Co.	O. L. Bozwell	Cincinnati, R. 2	Slope	Longwall	Fan	Horse	Local
Helman Coal Co.	Chas. Helman	Plano	Shaft	Longwall	Fan	Horse	Local
Herr Coal Co.	Ben Herr	Plano, R. 1	Shaft	Room and Pillar	Fan	Horse	Local
Hi Test Coal Co.	O. Young	Mystic	Shaft	Longwall	Fan	Electricity	C., M. & St. P. R. R.
Hillside Coal Co.	C. Blasrich	Mystic	Slope	Longwall	Furnace	Horse	Local
Iowa Block Coal Co.	Wm. Bradley	Exline	Shaft	Longwall	Fan	Steam	C., B. & Q. R. R.
Jerome Coal Co.	T. Tracey	Jerome	Shaft	Longwall	Fan	Electricity	C., M. & St. P. R. R.
Kincaid Coal Co.	E. Kincaid	Centerville, Rt. 4	Slope	Longwall	Furnace	Horse	Local
Koonitz Coal Co.	K. Koonitz	Centerville	Shaft	Longwall	Fan	Electricity	Local
Little Walnut Coal Co.	J. Hall	Mystic	Shaft	Longwall	Furnace	Horse	Local
Lee Hill Coal Co.	N. Stepowski	Mystic, Rt. 1	Slope	Longwall	Furnace	Horse	Local

Liberty Coal Co., No. 3	E. Moss	Mystic	Slope	Longwall	Fan	Mule	Local
Liberty Coal Co., No. 4	E. Moss	Mystic	Slope	Longwall	Furnace	Horse	C., M. & St. P. R. R.
Maddalozza Coal Co.	V. Maddalozza	Mystic	Slope	Longwall	Fan	Pony	Local
Marshall Coal Co.	Wm. Marshall	Mystic	Slope	Room and Pillar	Fan	Horse	Local
McConville & Sons Coal Co., No. 1	O. McConville	Centerville	Shaft	Longwall	Fan	Electricity	S. I. U. Co.
McConville & Sons Coal Co., No. 2	O. McConville	Centerville	Shaft	Longwall	Fan	Electricity	C., B. & Q. R. R.
McConville & Sons Coal Co., No. 3	O. McConville	Centerville	Shaft	Longwall	Fan	Electricity	S. I. U. Co.
Monitor Coal Co.	W. Hitchens	Centerville	Shaft	Longwall	Fan	Electricity	Local
Mystic Coal Co.	J. Horridge	Mystic	Shaft	Longwall	Fan	Steam	C., M. & St. P. R. R.
New Rock Valley Coal Co.	J. E. Campbell	Centerville, Rt. 1	Shaft	Room and Pillar	Fan	Horse	Local
New Star Coal Co.	Van Pugh	Centerville, Rt. 1	Shaft	Room and Pillar	Fan	Horse	Local
North Hill Coal Co.	F. M. McConoughy	Centerville	Shaft	Longwall	Fan	Electricity	Local
Numa Coal Co.	B. Arbogast	Numa	Shaft	Longwall	Fan	Electricity	C., R. I. & P. R. R.
Old King Coal Co.	Jacob Ritter	Centerville	Shaft	Longwall	Fan	Electricity	C., B. & Q. R. R.
Peacock Coal Co.	R. S. Lawton	Brazil	Slope	Longwall	Furnace	Horse	Local
Prospect Coal Co.	J. F. Danel	Exline	Slope	Longwall	Fan	Electricity	C., M. & St. P. R. R.
Rathburn Coal Co.	R. Rathburn	Rathburn	Slope	Longwall	Fan	Horse	Local
Red Bird Coal Co.	W. A. Rhodes	Seymour, Rt. 1	Slope	Longwall	Fan	Horse	Local
Star Coal Co.	J. Frost	Mystic	Slope	Longwall	Furnace	Electricity	C., B. & Q. R. R.
Simatovich Coal Co.	D. Simatovich	Centerville, Rt. 3	Slope	Longwall	Fan	Steam	C., B. & Q. R. R.
Sunshine Coal Co.	J. R. Hamn	Centerville	Shaft	Longwall	Fan	Gas Engine	Local
Thistle Coal Co.	Geo. Dinnun	Cincinnati	Shaft	Room and Pillar	Fan	Gas Engine	Local
Walnut Creek Coal Co.	A. Gillespie	Jerome	Shaft	Longwall	Furnace	Horse	Local
Walter Lilly Coal Co.	P. Blatina	Rathburn	Slope	Longwall	Furnace	Horse	Local
White Oak Coal Co.	John Seals	Exline	Shaft	Longwall	Furnace	Horse	Local
Lowce Coal Co.	W. Lowe	Brazil	Slope	Longwall	Furnace	Horse	Local

LUCAS COUNTY

Cedar Coal Co.	Wm. Briggs	Melrose, Rt. 4	Slope	Room and Pillar	Furnace	Horse	Local
Central Iowa Fuel Co., No. 4	W. M. Malone	Chariton	Shaft	Room and Pillar	Fan	Steam	C., R. I. & P. R. R.
Central Iowa Fuel Co., No. 5	W. M. Malone	Chariton	Shaft	Room and Pillar	Fan	Electricity	C., R. I. & P. R. R.
Consolidated Indiana Coal Co., No. 3	J. Hall	Melcher	Slope	Room and Pillar	Fan	Electricity	C., R. I. & P. R. R.
Nussbaum Coal Co.	F. F. Nussbaum	Lacona, Rt. 3	Slope	Longwall	Fan	Horse	Local
Union Coal Co.	B. Hartzhorn	Lacona	Shaft	Longwall	Fan	Horse	Local
Mederals Coal Co.	H. Mederals	Lacona, Rt. 1	Slope	Room and Pillar	Fan	Horse	Local

MONROE COUNTY

Chrisman Coal Co.	B. Chrisman	Albia, R. 3	Slope	Room and Pillar	Fan	Horse	Local
City Coal Co.	H. Owens	Albia	Shaft	Room and Pillar	Fan	Steam	Local

LIST OF OPERATING COAL COMPANIES, SUPERINTENDENTS, ETC., IN DISTRICT NO. 1—Continued

50

Name of Company and Number of Mine	Superintendent	Address	Shaft or Slope	Plan of Working	How Ventilated	Power Used	Shipping or Local
De Ross Coal Co.	H. De Ross	Albia, Rt. 3	Slope	Room and Pillar	Fan	Steam	Local
Graham Coal Co.	A. C. Bridges	Avery	Shaft	Room and Pillar	Fan	Steam	C., B. & Q. R. R.
Hocking Coal Co.	A. E. Hupton	Hocking	Shaft	Room and Pillar	Fan	Electricity	M. & St. L. R. R.
Federal Coal Co.	B. Chedister	Albia, Rt. 3	Slope	Room and Pillar	Fan	Horse	Local
Oak Black Coal Co.	W. J. Gregg	Albia, R. 6	Slope	Room and Pillar	Fan	Horse	Local
Plainview Coal Co.	J. Hupton	Albia	Slope	Room and Pillar	Fan	Horse	Local

WAYNE COUNTY

Bennett Coal Co.	F. Poll	Promise City, R. 2	Shaft	Longwall	Fan	Horse	Local
Hayhurst Coal Co.	A. Hayhurst	Promise City, R. 2	Shaft	Longwall	Fan	Horse	Local
Rissler Coal Co.	F. H. Rissler	Melrose, Rt. 3	Shaft	Longwall	Fan	Horse	Local
Sipes Coal Co.	S. Mascogni	Mystic	Slope	Longwall	Furnace	Pony	Local
Violet Valley Coal Co.	Wm. Steffy	Seymour	Shaft	Longwall	Fan	Gas Engine	Local
Whalan Coal Co.	R. Whalan	Seymour	Shaft	Longwall	Fan	Steam	C., R. I. & P.

ADAMS COUNTY

Ankney Coal Co.	J. Ankney	Villisca	Shaft	Longwall	Furnace	Gas Engine	Local
Black Diamond Coal Co.	E. G. Meggison	Nodaway, Rt. 1	Shaft	Longwall	Furnace	Gas Engine	Local
Henton Coal Co.	J. Henton	Carbon, Rt. 1	Shaft	Longwall	Furnace	Horse	Local
Larson Coal Co.	Corning, Rt. 6	C. Larson	Shaft	Longwall	Furnace	Horse	Local
McKee Coal Co.	R. McKee	Carbon, Rt. 6	Shaft	Longwall	Fan	Horse	Local
Ruth Coal Co.	J. F. Ruth	Carbon	Shaft	Longwall	Furnace	Horse	Local
Smith Coal Co.	O. Smith	Carbon	Shaft	Longwall	Furnace	Horse	Local
Wild Coal Co.	J. A. Wild	Carbon	Shaft	Longwall	Natural	Horse	Local

PAGE COUNTY

Evans Coal Co.	Geo. Evans	Clarinda	Shaft	Longwall	Fan	Electricity	Local
Clarinda Coal Co.	J. Pullen, Jr.	Clarinda	Shaft	Longwall	Fan	Electricity	Local
Pearson Coal Co.	H. Pearson	Clarinda	Shaft	Longwall	Fan	Electricity	Local
Sawhill Coal Co.	E. Sawhill	Clarinda	Shaft	Longwall	Fan	Electricity	Local

TAYLOR COUNTY

Bean Coal Co.	J. Bean	New Market	Shaft	Longwall	Fan	Horse	Local
New Market Coal Co.	J. Pullen, Sr.	New Market	Shaft	Longwall	Fan	Electricity	C., B. & Q. R. R.
Osborn Coal Co.	S. Osborn	New Market, Rt. 1	Shaft	Longwall	Furnace	Horse	Local

LIST OF OPERATING COAL COMPANIES, SUPERINTENDENTS, ETC., IN DISTRICT NO. 2

52

WAPELLO COUNTY

Name of Company and Number of Mine	Superintendent	Address	Shaft or Slope	Plan of Working	How Ventilated	Power Used	Shipping or Local
Indian Head Coal Co., No. 1	Edw. Sparin	Ottumwa	Shaft	Room and Pillar	Fan	Electricity	Local
Union Coal Co.	W. Sullivan	Ottumwa	Shaft	Room and Pillar	Fan	Electricity	Local
Big Four Coal Co.	J. Genochia	Ottumwa	Shaft	Room and Pillar	Fan	Steam	Local
Wapello Coal Co.	John Howard	Ottumwa	Shaft	Room and Pillar	Fan	Steam	Local
Glendale Coal Co.	John Whitham	Ottumwa	Shaft	Room and Pillar	Fan	Horse	Local
Akers (Chas.) Coal Co.	Chas. Akers	Ottumwa	Slope	Longwall	Natural	Horse	Local
Utterback (A. H.) Coal Co.	A. H. Utterback	Ottumwa, Rt. 6	Shaft	Room and Pillar	Fan	Horse	Local
Simpson Bros. Coal Co.	Wm. Simpson	Ottumwa	Shaft	Room and Pillar	Fan	Steam	Local
Miers & Houk Coal Co.	Wm. Miers	Ottumwa, Rt. 8	Shaft	Room and Pillar	Fan	Horse	Local
Wm. Rogers Coal Co.	Wm. Rogers	Ottumwa, Rt. 8	Shaft	Room and Pillar	Fan	Horse	Local
Gibbs Bros. Coal Co.	Thos. Gibbs	Ottumwa, Rt. 8	Shaft	Room and Pillar	Fan	Horse	Local
Kirkville Coal Co.	R. Lipovac	Ottumwa, 614 W. Main St.	Slope	Room and Pillar	Natural	Horse	Local
Lafayette Coal Co.	Wm. Griffith	Ottumwa, Rt. 8	Slope	Room and Pillar	Fan	Horse	Local
Airline Coal Co.	J. Genochia	Ottumwa, 415 So. Willard	Shaft	Room and Pillar	Fan	Steam	Local
Munternville Coal Co.	R. Griffith	Blakesburgh, R. F. D.	Shaft	Room and Pillar	Fan	Horse	Local
Rowley Coal Co.	H. Rowley	Blakesburgh, R. F. D.	Shaft	Room and Pillar	Fan	Steam	Local
Thode Coal Co.	J. Serter	Blakesburgh, R. F. D.	Shaft	Room and Pillar	Fan	Gas	Local
Dawson Coal Co.	J. W. Dawson	Kirkville	Shaft	Room and Pillar	Fan	Horse	Local
Carr Bros. Coal Co.	E. Carr	Eldon	Shaft	Room and Pillar	Fan	Horse	Local
Weist Coal Co., No. 2	H. Weist	Eldon	Shaft	Room and Pillar	Natural	Horse	Local
Weist Coal Co., No. 3	H. Weist	Eldon	Shaft	Room and Pillar	Fan	Horse	Local
Stribling Coal Co.	M. Stribling	Eldon	Shaft	Room and Pillar	Fan	Horse	Local
Hartwig (Harley) Coal Co.	H. D. Hartwig	Eldon, Rt. 2	Slope	Room and Pillar	Natural	Horse	C. R. I. & P. R. R.
Hartwig (Chas.) Coal Co.	C. Hartwig	Florida	Slope	Room and Pillar	Natural	Horse	Local
Santen (Chas.) Coal Co.	C. Santen	Ottumwa, 1237 E. Haynes	Shaft	Room and Pillar	Fan	Horse	Local
Happy Hollow Coal Co.	Topey Evans	Ottumwa, R. F. D.	Slope	Room and Pillar	Natural	Horse	Local

REPORT IOWA MINE INSPECTORS

MAHASKA COUNTY

Evans Bros. Coal Co.	D. Evans	Eddyville	Slope	Room and Pillar	Natural	Horse	Local
Sweetzer Coal Co.	C. Sweetzer	Eddyville	Shaft	Room and Pillar	Fan	Steam	Local
Hynick Coal Co.	J. Hynick	Given, R. F. D.	Shaft	Room and Pillar	Fan	Steam	Local
Ellis (A. M.) Coal Co., No. 2	A. M. Evans	Given	Slope	Room and Pillar	Fan	Gas	Local
Given Coal Co., No. 2	Roy Ellis	Given	Slope	Room and Pillar	Natural	Horse	Local
Lewis (Tom) Coal Co.	Tom Lewis	Given	Slope	Room and Pillar	Natural	Gas	Local
Cromwell & Wilson Coal Co.	Geo. Cromwell	Oskaloosa	Slope	Room and Pillar	Natural	Horse	Local
Mathes Coal Co.	H. Mathes	Oskaloosa	Slope	Room and Pillar	Natural	Steam	Local
De Frehn Coal Co.	W. De Frehn	Oskaloosa	Shaft	Room and Pillar	Fan	Horse	Local
Roberts Bros. Coal Co.	R. Roberts	Oskaloosa	Slope	Room and Pillar	Natural	Horse	Local
Swanson & Hohn Coal Co., No. 1	M. Hohn	Oskaloosa	Slope	Room and Pillar	Natural	Horse	Local
Hansel (C. A.) Coal Co.	C. A. Hansel	Rose Hill	Slope	Room and Pillar	Natural	Horse	Local
Oskaloosa Coal Co.	J. Hastings	Oskaloosa, 616 N. 4th St.	Slope	Room and Pillar	Fan	Gas	Local
Mitchell Coal Co.	C. H. Mitchell	Oskaloosa, 922 1st Ave. W.	Slope	Room and Pillar	Fan	Horse	Local
Edwards Bros. Coal Co., No. 2	M. Edwards	Oskaloosa	Slope	Room and Pillar	Natural	Horse	Local
Edwards Bros. Coal Co., No. 3	M. Edwards	Oskaloosa, 607 N. B. St.	Shaft	Room and Pillar	Natural	Gas	Local
O'Brien & Edwards Coal Co.	D. Edwards	Evans	Slope	Room and Pillar	Natural	Horse	Local
Evans (Thos.) Coal Co.	Thos. Evans	Evans	Slope	Room and Pillar	Natural	Horse	Local
Morrissey Coal Co.	D. D. Morrissey	Oskaloosa, 802 So. 11th St.	Slope	Room and Pillar	Natural	Steam	Local
Martison (J. M.) Coal Co.	J. M. Martison	Oskaloosa, R. F. D.	Slope	Room and Pillar	Natural	Horse	Local
Thatcher (W. T.) Coal Co.	W. T. Thatcher	Oskaloosa, R. F. D.	Slope	Room and Pillar	Natural	Horse	Local
Ahweller Coal Co.	C. Ahweller	Oskaloosa, R. F. D.	Slope	Room and Pillar	Natural	Horse	Local
Ferguson & White Bros. Coal Co.	G. H. White	Rose Hill	Shaft	Room and Pillar	Natural	Gas	Local
Williams (E. F.) Coal Co.	E. F. Williams	New Sharon	Slope	Room and Pillar	Natural	Gas	Local
Gasper Coal Co.	S. Gasper	Truax	Slope	Room and Pillar	Natural	Gas	Local
Owens & Griffiths Coal Co.	D. J. Griffiths	Beacon	Slope	Room and Pillar	Natural	Horse	Local
Lockhart (Arthur) Coal Co.	A. Lockhart	Oskaloosa, R. F. D.	Slope	Room and Pillar	Natural	Gas	Local
Blomgren Bros. Coal Co.	E. Blomgren	Lovilia, R. F. D.	Slope	Room and Pillar	Natural	Horse	Local
Fedora (Mike) Coal Co.	M. Fedora	Given, R. F. D.	Slope	Room and Pillar	Natural	Horse	Local

MARION COUNTY

Consolidated Indiana Coal Co., No. 2	John Hall	Melcher	Shaft	Room and Pillar	Fan	Electricity	C. R. I. & P. R. R.
Red Rock Coal Co.	C. Anderson	Melcher	Shaft	Room and Pillar	Fan	Steam	C. R. I. & P. R. R.
Pershing Coal Co.	J. E. Williams	Pershing	Shaft	Room and Pillar	Fan	Steam	Wabash R. R. Co.
McElrea Coal Co.	W. McElrea	Dallas	Slope	Room and Pillar	Natural	Gas	Local
McAllister & Gilechrist Coal Co.	M. J. McAllister	Dallas	Slope	Room and Pillar	Natural	Horse	Local
Nall (W. L.) Coal Co.	W. L. Nall	Knoxville	Shaft	Room and Pillar	Fan	Gas	Local

STATISTICS OF IOWA MINING

53

LIST OF OPERATING COAL COMPANIES, SUPERINTENDENTS, ETC., IN DISTRICT NO. 2—Continued

54

REPORT IOWA MINE INSPECTORS

Name of Company and Number of Mine	Superintendent	Address	Shaft or Slope	Plan of Working	How Ventilated	Power Used	Shipping or Local
Fortner (Chas.) Coal Co.	Chas. Fortner	Knoxville	Slope	Room and Pillar	Natural	Horse	Local
Hudson (Roy) Coal Co.	Roy Hudson	Knoxville, R. 8.	Slope	Room and Pillar	Natural	Horse	Local
Kendall Coal Co.	E. Kendall	Marysville	Slope	Room and Pillar	Natural	Horse	Local
Success Coal Co.	J. Langdon	Otley	Slope	Room and Pillar	Fan	Steam	Local
Bishop Coal Co.	Phl. Bishop	Knoxville, R. F. D.	Slope	Room and Pillar	Natural	Gas	Local
Bradley Bros. Coal Co.	L. H. Bradley	Knoxville, R. F. D.	No. 1	Room and Pillar	Natural	Steam	Local
Hays Bros. Coal Co.	C. H. Hays	Knoxville	Shaft	Room and Pillar	Natural	Horse	Local
Vancoultrock Bros. Coal Co., No. 3	F. Vancoultrock	Knoxville	Slope	Room and Pillar	Fan	Horse	Local
Swan Coal Co.	C. McAllister	Swan	Shaft	Room and Pillar	Fan	Steam	Local
Miller Coal Co.	John Miller	Pleasantville	Shaft	Room and Pillar	Fan	Gas	Local
Riggen Coal Co.	C. A. Riggen	Harvey	Slope	Room and Pillar	Fan	Gas	Local
Hamilton Coal Co.	C. Bolton	Hamilton	Slope	Room and Pillar	Fan	Steam	Local
Horse Shoe Coal Co.	O. Villant	Bussey	Shaft	Room and Pillar	Fan	Horse	Local
Cedar Creek Coal Co.	C. J. Kopman	Bussey	Slope	Room and Pillar	Natural	Gas	Local
Johns Bros. Coal Co.	H. Johns	Bussey	Slope	Room and Pillar	Natural	Horse	Local
Robinson Coal Co.	L. Robinson	Tracey	Shaft	Room and Pillar	Fan	Steam	Local
Rowley (Ben) Coal Co., No. 1	Ben Rowley	Knoxville	Shaft	Room and Pillar	Natural	Horse	Local
Davis & McKenzie Coal Co.	Thos. Davis	Marysville	Slope	Room and Pillar	Natural	Horse	Local
Dufner Coal Co.	L. Dufner	Marysville	Slope	Room and Pillar	Natural	Horse	Local
Clark (Jas.) Coal Co.	Jas. Clark	Hamilton	Slope	Room and Pillar	Natural	Horse	Local
Simmons (Fred) Coal Co.	F. Simmons	Knoxville, R. 8.	Shaft	Room and Pillar	Natural	Steam	Local
Cox Coal Co.	Bert Cox	Knoxville, R. 8.	Slope	Room and Pillar	Fan	Steam	Local
D. & J. Coal Co.	Art Jones	Dallas	Slope	Room and Pillar	Natural	Horse	Local
Davis & Metz Coal Co.	Albert Davis	Hamilton, R. F. D.	No. 1	Room and Pillar	Natural	Horse	Local
Jackson Bros. Coal Co.	Geo. Jackson	Melcher	Slope	Room and Pillar	Natural	Gas	Local
Mayer Coal Co.	Jonas Mayer	Harvey	Slope	Room and Pillar	Natural	Horse	Local

MONROE COUNTY

Bex Fuel Co., No. 5	John Canty	Albia	Shaft	Room and Pillar	Fan	Electricity	C. & N. W. R. R.
Monroe Block Coal Co., No. 4	W. A. Flinn	Albia	Shaft	Room and Pillar	Fan	Steam	C. & N. W. R. R.
Lovilla Coal Co.	Jas. Smith	Lovilla	Shaft	Room and Pillar	Fan	Steam	C. & N. W. R. R.
Smoky Hollow Coal Co., No. 12	Hiteman	Albia	Shaft	Room and Pillar	Fan	Electricity	C. & N. W. R. R.
Carton Coal Co., No. 1	Wm. Scott	Albia	Shaft	Room and Pillar	Fan	Electricity	M. & St. L. R. R.

McManus & Sons Coal Co.	J. McManus	Albia, So. 2 St.	Slope	Room and Pillar	Natural	Horse	Local
Blackstone Coal Co.	C. C. Amber	Lovilla	Shaft	Room and Pillar	Fan	Gas	Local
Mashak Coal Co.	F. Mashak	Lovilla, R. F. D.	No. 1	Room and Pillar	Natural	Horse	Local
Independent Coal Co., No. 1	Wm. Winters	Albia, 415 W. Benton	Shaft	Room and Pillar	Fan	Steam	Local

JASPER COUNTY

Colfax Coal Co., No. 9	Wm. Abram	Colfax	Shaft	Room and Pillar	Fan	Steam	Local
Hopkins Coal Co.	R. E. Hopkins	Colfax	Shaft	Room and Pillar	Fan	Steam	Local
Oswalt Coal Co.	G. R. Williams	Colfax	Shaft	Room and Pillar	Fan	Horse	Local
Prairie City Coal Co.	C. Conway	Prairie City	Shaft	Room and Pillar	Fan	Steam	Local
Newton Coal Co.	J. R. Coffman	Newton	Slope	Room and Pillar	Natural	Horse	Local
Marshall Coal Co.	J. R. Marshall	Monroe, R. F. D.	No. 4	Room and Pillar	Natural	Horse	Local
Jackson Coal Co.	J. E. Jackson	Newton, R. R.	No. 4	Room and Pillar	Natural	Horse	Local

JEFFERSON COUNTY

Star Coal Co.	L. Ceccon	Fairfield, R. F. D.	No. 7	Room and Pillar	Fan	Gas	Local
Bonnett Coal Co.	E. Bonnett	Fairfield, R. F. D.	No. 7	Room and Pillar	Natural	Horse	Local

VAN BUREN COUNTY

Daniels Coal Co.	J. Daniels	Douds	Shaft	Room and Pillar	Fan	Steam	Local
Radcliffe Coal Co.	R. A. Radcliffe	Douds	Shaft	Room and Pillar	Fan	Horse	Local
Twedy Coal Co.	Jas. Twedy	Douds	Shaft	Room and Pillar	Natural	Horse	Local
Farmington Coal Co.	Alex. Clark	Farmington	Shaft	Room and Pillar	Fan	Horse	Local
Greer & Son Coal Co.	Chas. Greer	Mt. Zion, R. F. D.	Slope	Room and Pillar	Natural	Horse	Local
Roe Coal Co.	Chas. Roe	Mt. Zion, R. F. D.	Slope	Room and Pillar	Natural	Horse	Local
Carmichael Coal Co.	A. Carmichael	Birmingham	Shaft	Room and Pillar	Natural	Horse	Local

DAVIS COUNTY

Van Patten Coal Co.	G. Van Patten	Floris	Slope	Room and Pillar	Natural	Gas	Local
Lunsford Bros. Coal Co.	D. D. Lunsford	Bloomfield	Shaft	Room and Pillar	Fan	Steam	Local

STATISTICS OF IOWA MINING

55

LIST OF OPERATING COAL COMPANIES, SUPERINTENDENTS, ETC., IN DISTRICT NO. 3

POLK COUNTY

Name of Company and Number of Mine	Superintendent	Address	Shaft or Slope	Plan of Working	How Ventilated	Power Used	Shipping or Local
Adelphi Coal Co.	John Ross	Adelphi	Shaft	Room and Pillar	Fan	Gas	Local
Beck Coal & Mining Co.	John Beck	Des Moines, 507 5th Ave.	Shaft	Room and Pillar	Fan	Electricity	Local
Bennet Bros. Coal Co., No. 2	A. Bennett	Des Moines, 427 Grand Ave.	Shaft	Room and Pillar	Fan	Steam	Local
Carbon Mining Co.	J. D. Phillips	Des Moines, 907 B. T. Bldg.	Shaft	Room and Pillar	Fan	Electricity	Local
Central Service Co., No. 5	H. Blount	Des Moines, 100 Maple St.	Shaft	Room and Pillar	Fan	Electricity	Local
Central Service Co., No. 6	H. Blount	Des Moines, 100 Maple St.	Shaft	Room and Pillar	Fan	Electricity	Local
Clover Leaf Coal Co., No. 2	O. Heggen	Des Moines	Shaft	L. W. & R. & P.	Fan	Electricity	Local
Commerce Coal Co.	E. Harris	Commerce	Shaft	Longwall	Fan	Horse	Local
Des Moines Coal Co., No. 4	F. Norwood	Des Moines, 418 V. N. B. Bldg.	Shaft	Room and Pillar	Fan	Electricity	Local
Economy Coal Co., No. 2	J. Ramsey	Des Moines, 423 Grand Ave.	Shaft	Room and Pillar	Fan	Steam	C. R. I. & P. R. R.
Economy Coal Co., No. 3	J. Ramsey	Des Moines	Shaft	Room and Pillar	Fan	Electricity	Local
Four Mile Coal Co.	A. Tiffin	Des Moines	Shaft	Room and Pillar	Fan	Steam	Local
Gibson Coal Co., No. 1	W. Gibson	Des Moines, 225 Iowa Bldg.	Shaft	Room and Pillar	Fan	Electricity	C. M. & St. P. R. R.
Gross Coal Co., No. 1	J. B. Gross	Carlisle R. I.	Shaft	Longwall	Natural	Gas	Local
Independent Coal Co.	W. Griffith	Des Moines, 410 B. T. Bldg.	Shaft	Room and Pillar	Fan	Steam	Local
Joplin Coal Co., No. 1	D. Joplin	Runnells	Shaft	Room and Pillar	Fan	Steam	Local
Norwood White Coal Co., No. 8	J. D. Phillips	Des Moines, 907 B. T. Bldg.	Shaft	Room and Pillar	Fan	Electricity	I. Urban R. R.
Stanford Coal Co.	R. Stanford	Des Moines	Shaft	Room and Pillar	Fan	Electricity	Local
Standard Coal Co.	F. B. Shultz	Des Moines, 2456 E. Grand	Slope	Room and Pillar	Fan	Gas	Local
Urbandise Coal Co., No. 1	N. E. Burriss	Des Moines, 804 11th St.	Shaft	Room and Pillar	Fan	Electricity	Local

BOONE COUNTY

Benson Coal Co., No. 1	W. Benson	Boone	Shaft	Longwall	Fan	Steam	C. N. W. R. R.
Benson Coal Co., No. 2	W. Benson	Boone	Shaft	Longwall	Fan	Steam	Local
Boone Coal Co., No. 1	R. Heaps	Boone	Shaft	Longwall	Fan	Steam	C. N. W. R. R.
Boone Coal Co., No. 4	R. Heaps	Boone	Shaft	Longwall	Fan	Steam	C. N. W. R. R.
Elm Coal Co., No. 1	C. A. Kristianson	Ogden	Shaft	Longwall	Natural	Horse	Local
Ft. Dodge, Des Moines & Southern	J. Duncan	Ogden	Shaft	Longwall	Fan	Electricity	Ft. D., D. M. & S.
Kennedy & Blosser Coal Co.	R. Kennedy	Ogden	Shaft	Longwall	Fan	Steam	Local
Scandia Coal Co., No. 4	S. Carney	Des Moines, 606 W. Grand	Shaft	Room and Pillar	Fan	Electricity	C. M. & St. P. R. R.
Scandia Coal Co., No. 6	O. Reese	Des Moines, 606 W. Grand	Shaft	Room and Pillar	Fan	Electricity	C. M. & St. P. R. R.
Spring Valley Coal Co.	A. Postonik	Fraser	Shaft	Longwall	Fan	Horse	Local
Warren Coal Co.	F. Warren	Angus	Shaft	Room and Pillar	Fan	Horse	Local

WARREN COUNTY

Carpenter Coal Co.	R. Carpenter	Lacona	Drift	Room and Pillar	Natural	Man	Local
Great Western Coal Co., No. 1	J. Duro	Orilla	Shaft	Room and Pillar	Fan	Steam	C. & G. W. R. R.
Indian Valley Gloss Coal Co., No. 1	W. Prior	Hartford	Shaft	Room and Pillar	Fan	Electricity	C. R. I. & P. R. R.
Miller Coal Co.	L. Miller	Lacona	Drift	Room and Pillar	Fan	Electricity	Local
Oak Hill Coal Co.	D. Farley	Carlisle	Shaft	Longwall	Fan	Steam	Local
Ridge Block Coal Co.	D. Addelinger	Carlisle, R. F. D.	Shaft	Longwall	Fan	Gas	Local
Scotch Ridge Coal Co.	T. Davis	Carlisle	Shaft	Longwall	Fan	Electricity	Local
Frank Bozell Coal Co.	F. Bezell	Lacona	Drift	Room and Pillar	Natural	Man	Local

GUTHRIE COUNTY

Butler Coal Co.	T. Butler	Guthrie Center	Shaft	Longwall	Natural	Horse	Local
Mallon Coal Co.	Matt Mallon	Guthrie Center	Shaft	Longwall	Fan	Horse	Local
Mansell Coal Co.	John Mansell	Guthrie Center, R. F. D.	Shaft	Longwall	Natural	Horse	Local
Scott Coal Co.	W. H. Scott	Guthrie Center	Shaft	Longwall	Natural	Horse	Local
Sipe Coal Co.	L. B. Sipe	Guthrie Center, R. F. D. No. 3	Shaft	Longwall	Furnace	Horse	Local
Thomas Coal Co.	W. Thomas	Guthrie Center, R. F. D. No. 3	Shaft	Longwall	Fan	Gas	Local
Renslow Coal Co.	F. Renslow	Guthrie Center	Shaft	Longwall	Natural	Horse	Local

LIST OF OPERATING COAL COMPANIES, SUPERINTENDENTS, ETC., IN DISTRICT NO. 3—Continued
DALLAS COUNTY

Name of Company and Number of Mine	Superintendent	Address	Shaft or Slope	Plan of Working	How Ventilated	Power Used	Shipping or Local
Dallas Fuel Co.	L. Love	Des Moines 641 Ins. Ex. Bldg.	Shaft	Room and Pillar	Fan	Electricity	C., M. & St. P. R.R.
Norwood White Coal Co., No. 7	J. D. Phillips	Des Moines, 907 B. T. Bldg.	Shaft	Room and Pillar	Fan	Electricity	I. Urban R. R.
Scandia Coal Co., No. 5	O. Reese	Des Moines, 606 Grand	Shaft	Room and Pillar	Fan	Steam	C., M. & St. P. R.R.
Shuler Coal Co.	H. M. Shuler	Des Moines, 706 So. Surety	Shaft	Room and Pillar	Fan	Electricity	C., M. & St. P. R.R.
WEBSTER COUNTY							
Riverside Coal Co.	G. Marx	Lehigh	Shaft	Longwall	Natural	Horse	Local
White Coal Co.	R. Jordison	Ft. Dodge, R. F. D.	Shaft	Longwall	Fan	Steam	Local
GREENE COUNTY							
Creekside Coal Co.	S. Black	Dawson	Shaft	Room and Pillar	Fan	Horse	Local
McElheney Coal Co.	H. A. McElheney	Ripley	Shaft	Room and Pillar	Fan	Horse	Local
Riverside Coal Co., No. 1	M. Felth	Ripley	Slope	Room and Pillar	Fan	Steam	Local

1928-1930 AGREEMENT BETWEEN THE MEMBERS OF DISTRICT NO. 13, U. M. W. OF A., PARTIES OF THE FIRST PART, AND THE MEMBERS OF THE IOWA COAL OPERATORS' ASSOCIATION, PARTIES OF THE SECOND PART, OCTOBER 1, 1928, TO MARCH 31, 1930.

DES MOINES AGREEMENT

This contract, made and entered into by and between District No. 13, of the U. M. W. of A. and each member thereof, party of the first part, and the Iowa Coal Operators' Association and each member thereof, party of the second part.

WITNESSETH: That it is understood and agreed that all of the terms and provisions herein contained are for the exclusive joint use and benefit of District No. 13 of the U. M. W. of A. and each member thereof, and each and every member of the Iowa Coal Operators' Association, and this agreement is entered into with the hope and belief that the good relations existing between the members of the two Associations will continue without the interruption of local strikes called in violation of the Agreement which is not countenanced by either Association.

It is agreed that said contract shall take effect October 1, 1928, and remain in effect until March 31, 1930.

AGREEMENT MADE BY THE IOWA COAL OPERATORS ASSOCIATION OF IOWA AND THE UNITED MINE WORKERS OF DISTRICT NO. 13, EFFECTIVE OCTOBER 1, 1928, UNTIL MARCH 31, 1930, BOTH INCLUSIVE

The prices to be paid for pick mined coal in the various sub-districts named below, of said District 13, during the period commencing October 1, 1928, and ending March 31, 1930, shall be as follows, per ton of two thousand pounds, mine run or lump coal, as hereinafter provided in the various sub-districts.

SUB-DISTRICT NO. TWO

All mines in Sub-District No. 2 shall operate on an absolute mine run basis.

Mine Run Coal, per ton.....\$1.04

ENTRY PRICES

Eight-Foot Entry, per yard.....\$3.42
Twelve-Foot Entry, per yard.....2.34

The yardage prices provided above are made on the condition that the entry men must cut all normal entries, top and bottom, before they are shot. This shall not prevent the firing of practical lifting shots.

Agreements on the price of deficient eight-foot entry work:
Entry, 3½ to 4 ft. vein, deficient by having rock or other impurities, price including coal, per yard.....\$ 7.33
Entry, 3½ to 4 ft. vein, deficient by having rock or other impurities, not sufficient coal to cut, price including coal, per yard.....8.08

Entry, 4 to 5 ft. vein, deficient by having rock or other impurities, price including coal, per yard.....	8.10
Entry, 4 to 5 ft. vein, deficient by having rock or other impurities, not sufficient coal to cut, price including coal, per yard.....	8.87
Entry, 5 to 6½ ft. vein, deficient by having rock or other impurities, price including coal, per yard.....	8.78
Entry, 5 to 6½ ft. vein, deficient by having rock or other impurities, not sufficient coal to cut, price including coal, per yard.....	9.55
Entry, 6½ to 8 ft. vein, deficient by having rock or other impurities, price including coal, per yard.....	10.04
Entry, 6½ to 8 ft. vein, deficient by having rock or other impurities, not sufficient coal to cut, price including coal, per yard.....	10.46

Note: The above prices shall be in full payment, both for the yardage and the mining.

Where the vein is under three and one-half feet or over eight feet in thickness, or where jumpers have to be used, entries shall be worked by the day, or at such price per yard as may be agreed upon between the entry men and the pit boss.

If by the day, the wages shall be \$5.95 per day, the company to furnish tools and supplies.

In deficient entries, entrymen to load out rock or other impurities.

It is understood that the intent of this agreement is that the entrymen shall do the cutting in the same manner as he would if paid no deficiency, to-wit: When cutting in the bottom, to extend the cut upwards until an actual obstruction is encountered, and if the same is such that it can be readily broken with the sledge, the same shall be done and the cut carried to the top of the vein.

No top shots to be used except to break down the coal that lies above an actual obstruction. If the obstruction be near the bottom and the cutting is done in top coal, the same rule to apply to bottom coal as above stated for top coal.

Whenever any entry that is now deficient becomes normal by the disappearance of bands of impurities or other obstructions which prevent cutting, the entrymen must square up and proceed to work it as a normal entry.

The occurrence of a sulphur ball or lump or other impurities which does not extend to a greater width than the cut, and which can be readily broken out, or a thin band of impurity which can be readily broken, will not be considered as preventing the cutting the full height of the vein.

At any mine in lieu of the above scale for deficient entries, such work may be paid for \$4.52 per yard and the coal. The miner to load out the impurities.

The adoption of the above deficient entry scale does not prevent individuals from doing this class of work with such allowance above the normal scale as may be agreed upon between the men concerned

and the mine foreman. In case they disagree the gross yardage scale for deficient entries shall apply.

ROCK IN ROOMS

Whenever a miner has rock shot down in his room that is in his way and which prevents him loading his coal, the company shall remove the large rock or pay the miner for doing the same at the rate of 72½ cents per hour. Resolution No. 4, Section C, to govern as to notification of foreman and time of waiting.

But, in the event the rock is mixed with the miner's coal, the miner shall separate the same and throw all small rock into the gob.

ROOM TURNING

Room turning with neck 8 feet wide not to exceed 9 feet deep, \$6.97. Rooms shall be considered turned when they are 18 feet deep and 18 feet wide at the face.

Where neck is required to be cut more than 3 feet on one side, \$3.10 additional shall be paid.

The company cannot require the miner to turn the rooms for the pick mining room turning price and then mine the rooms with machines after machines have once been installed in the mine.

DOUBLE SHIFTING

Double shifting in entries, 25 cents per yard extra.

BREAK-THROUGHS

Break-throughs between rooms and entries shall be made in accordance with the state law as to distance, and in rooms where break-throughs are required to be cut at entry widths they shall be paid at entry prices.

BRUSHING—WIDTH OF ROOMS—UNLOADING SLATE

Brushing by taking up bottom or taking down top shall be 7 9/10 cents per inch, measured from the top or the bottom of the vein as the case may be, and of sufficient width for roadway not to exceed 5 feet. This to apply to top and bottom of ordinary slate or clay material, but if of an unusually hard material, then the price to be agreed upon locally, and failing to agree, the company to do the brushing, in which case the said brushing shall be kept up to within 15 feet of the face. The minimum width of any room shall be 20 feet. Loading or unloading slate done by the miner, 24 cents per car, provided if there is any change in the capacity of the car there can be a readjustment of the price but there shall be no change in existing local agreements on the subject.

BLACKSMITHING

The company shall do the sharpening, which shall mean only the sharpening of picks, augers, and wedges, the buttoning of scrapers and cutting off of augers, and the price of the same shall be ¾ of one per cent of gross earnings, and the miners' tools shall be given preference over all other work done by the blacksmith, and be sharpened in a workmanlike manner.

It is further agreed that the operator will furnish a suitable place or places for the miners to receive their tools, and in first class mines, where it can be shown that it is necessary for the proper regulation of the tool question, to have them separated or handed out, the operator will furnish some one to do the work, and the question of wages and duties shall be left to the operator.

DAY WAGE SCALE

Track layers, timbermen, cagers, per day.....	\$5.80
Drivers, Trip Riders and Water Haulers, per day.....	5.80
Track Layers and Timbermen Helpers, per day.....	5.65
Boy Couplers, per day.....	3.85
Trappers, per day.....	3.50
Motormen, per day.....	6.10
Oilers, per day.....	3.50
Spike Team Drivers, per day, when engaged in regular switching.....	5.95
Drillers and Shooters, per day.....	5.80
All other inside adult labor, per day.....	5.65

Stable men now receiving \$7.50 per day or over, shall be reduced \$1.70 per day. Those receiving less than \$7.50 per day, shall be reduced \$1.55 per day. Those paid by the month shall be reduced \$1.55 per day, based on 30 days.

Boy drivers may be used between partings, but when used at regular switching they shall be considered as men and receive men's wages.

ELECTRIC MINING MACHINE SCALE FOR SUB-DISTRICT NO. 2

Loading, drilling, shooting and furnishing of explosives, mine run coal, per ton.....	\$0.82
Machine Runner, per day.....	6.21
Machine Helper, per day.....	5.95

It is understood that the day wage fixed for machine crew shall not prevent them from agreeing on a price per ton and yardage and room turning; provided, the earnings be not less than the above day wage scale.

NARROW WORK

Eight-Foot Entry, loaders, per yard.....	\$1.37
Twelve-Foot Entry, loaders, per yard.....	0.93
Room Necks, same measurements as pick mining, loaders.....	2.79

Break-throughs between rooms and entries shall be paid for at same rate as entries of equal widths.

Loaders in narrow work and room turning to have the option of accepting tonnage and yardage rates, or being paid at the rate of \$5.95 per day, this to include use of miners' tools. The company to have the right to select loaders for this work who may be transferred at the company's option to a normal place to load or mine coal without loss of time. *Blacksmithing* shall be $\frac{1}{2}$ of 1% of the loaders' gross earnings.

DUTIES OF MACHINE CREW

The company shall furnish all parts and supplies to keep machines in repair. The machine crew shall perform the necessary labor for repairs, not exceeding thirty minutes at any one time, without extra compensation, all excess time shall be paid for at the rate of $.72\frac{1}{2}$ cents per hour. The machine crew shall cut the coal within four (4) inches of the bottom unless prevented by physical conditions; if they fail to do so and a loader is required to do extra work the mine boss and mine president shall agree on the amount due the loader for this work, and this amount shall be deducted from the machine crew's earnings at the rate of $.72\frac{1}{2}$ cents per hour.

The machine crew shall connect the machine wires to entry wires and take proper care of the machine and perform the necessary labor in moving from place to place. The machine crew shall receive and deliver bits and supplies at the same point at which pick miners receive their tools. Machines may run double shift or they may run one shift each twenty-four hours whether it is during the time the mine is running coal or not, provided one machine crew does not run a machine to exceed forty-eight hours a week when the mine runs every day, or as many hours as the mine runs coal; but the machine crew may work overtime in repairing their machines.

Coal that is cut may be shot at any time during the twenty-four hour day when the mine is not in operation.

DUTIES OF LOADERS

The loader shall have the same care and responsibility of the working place as the pick miner; he will take up to and including four inches of bottom coal left by the machine when the same is ordinary; (what is meant by ordinary is where it can be taken up in from 40 to 50 minutes across the room). If it takes more time, or if at any time the machine crew leaves more than four inches of bottom coal, whether caused by impurities or otherwise, the loader shall do the work at $.72\frac{1}{2}$ cents per hour.

No restriction shall be placed on the amount of coal which machines may mine, or upon the number of places in which machines may cut, or upon the number of loaders who may work after one machine, provided loaders shall have sufficient number of places to keep them employed regularly while the mine is in operation and there shall not be more loaders employed at any mine than can be given a fair turn. Where pick and machine miners are employed in the same mine the turn shall be made equal in earnings.

Should any operator employ more loaders than machine can cut for, they shall be employed at $.72\frac{1}{2}$ cents per hour until loading places can be furnished.

This guarantee of work shall not apply in cases of major accidents to machines or machinery or when power is off for an unreasonable length of time, nor for the last hour of the day or when the loader leaves his working place before quitting time the preceding day.

Note: The above paragraph is inserted so that it will not be necessary to close down the entire mine when a section of the mine is prevented from loading coal by any of the above causes.

Where required, the loader shall snub the coal before being shot and leave the place in proper condition for the machine crew. The loader shall not be held responsible for conditions beyond his control.

GENERAL PROVISIONS

Any special work, such as making man holes, partings, mule barns, etc., can be done by the day at the wages guaranteed above. It is understood that the loader in timbering his place shall set props so as to clear the machine when practicable; if props are set as to interfere with the machine on account of safety the machine crew shall remove and re-set such props without compensation. The width of rooms shall be not less than twenty feet. The company shall have the right, whenever any loaders are absent, to place other loaders in the vacant places, either by the ton or by the day, at the option of the loader, in order that said machine crew will not be deprived of the use of said places. If at any time there is any dispute as to the loading out of any place, the case shall be taken up as provided by Resolution VIII of the Des Moines Agreement, and said loaders shall continue at work loading out said places pending settlement of same. All settlements shall date from the time question was raised.

Rules in the General Resolutions and Underground Working Conditions governing pick miners and operators shall also apply to machine loaders and crews and operators of machine mines.

TOP LABOR

The wages of dumpers, chunkers, screening car men, box car men, outside drivers for outside work only, mine teamsters and all other common top labor shall be \$5.18 per day, provided those now receiving a higher rate of wages shall not be reduced.

Car Repairers per day.....	\$5.18
Motormen, per day.....	5.58
Boy Slate Pickers, per day.....	3.50
Blacksmith and machinists, per day, minimum.....	5.80

SUB-DISTRICT NO. THREE

All mines in Sub-District No. 3 shall operate on an absolute mine run basis.

Mine Run, per ton.....	\$1.06½
Eight-Foot Entry, per yard.....	2.73
Twelve-Foot Entry, per yard.....	2.67

The yardage prices provided above are made on condition that the entrymen must cut all normal entries, top and bottom, before they are shot. This shall not prevent the firing of practical lifting shots.

ROOM TURNING

Room turning, 9 foot neck, 8 feet wide, each, \$6.97.

Rooms shall be considered turned when they are 18 feet deep and 18 feet wide at the face.

Each additional yard or fraction thereof to be paid at the rate of \$2.32 per yard.

Where the neck is required to be cut more than 3 feet on one side, \$3.10 additional shall be paid.

The company cannot require the miner to turn the rooms for the pick mining room turning price and then mine the rooms with machines after machines have once been installed in the mine.

DOUBLE SHIFTING

Double shifting in entries, 25 cents per yard extra. This is construed to mean where entrymen are employed two separate shifts of eight hours each in twenty-four hours.

BREAK-THROUGHS

Break-throughs between rooms and entries shall be made in accordance with the state law as to distance, and in rooms where break-throughs are required to be cut at entry widths they shall be paid at entry prices.

BRUSHING

Brushing by taking up bottom or taking down top shall be 7 9/10 cents per inch measured from the top or the bottom of the vein, as the case may be, and of sufficient width for roadway not to exceed 5 feet. This to apply to top and bottom of ordinary slate or clay material, but if of an unusually hard material, then the price to be agreed upon locally, and failing to agree the company to do the brushing, in which case the said brushing shall be kept up to within 15 feet of the face.

WIDTH OF ROOMS

The minimum width of any room shall be 20 feet.

UNLOADING SLATE

Loading or unloading slate, when done by the miner, 24 cents per car, provided if there is any change in the capacity of the car there can be a readjustment of the price, but there shall be no change in existing local agreements on the subject.

BLACKSMITHING

The company shall do the sharpening, which shall mean only the sharpening of picks, augers, and wedges, the buttoning of scrapers and cutting off of augers, and the price of the same shall be ¾ of one per cent of gross earnings, and miners' tools shall be given preference over all other work done by the blacksmith, and be sharpened in a workmanlike manner.

It is further agreed that the operator will furnish a suitable place or places for the miners to receive their tools, and in first class mines, where it can be shown that it is necessary for the proper regulation of the tool question, to have them separate or handed out, the operator will furnish some one to do the work, and the question of wages and duties shall be left to the operator.

DAY WAGE SCALE

Track layers, timbermen, cagers, per day.....	\$5.80
Drivers, trip riders and water haulers, per day.....	5.80
Track layers and timbermen helpers, per day.....	5.65
Boy couplers, per day.....	3.85
Oilers, per day.....	3.50
Trappers, per day.....	3.50
Motormen, per day.....	6.10
Drillers and shooters, per day.....	5.80
Spike team drivers when engaged in regular switching, per day.....	5.95
All other inside adult labor, per day.....	5.65

Stable men now receiving \$7.50 per day or over shall be reduced \$1.70 per day. Those receiving less than \$7.50 per day shall be reduced \$1.55 per day. Those being paid by the month shall be reduced \$1.55 per day, based on 30 days.

Boy drivers may be used between partings, but when used at regular switching they shall be considered as men and receive men's wages.

TOP LABOR

The wages of dumpers, chunkers, screening car men, box car men, outside drivers for outside work only, mine teamsters and all other common top labor shall be \$5.18 per day, provided those now receiving a higher rate of wages shall not be reduced.

Motormen, per day.....	\$5.58
Boy Slate Pickers, per day.....	3.50
Blacksmith and machinists, per day, minimum.....	5.80

ELECTRIC MINING MACHINE SCALE FOR SUB-DISTRICT NO. 3

Loading, drilling, shooting and furnishing of explosives, mine run coal, per ton.....	\$0.83½
Machine Runner, per day.....	6.21
Machine Helper, per day.....	5.95

It is understood that the day wage fixed for machine crew shall not prevent them from agreeing on a price per ton and yardage and room turning; provided, the earnings be not less than the above day wage scale.

NARROW WORK

Eight-foot Entry, loaders, per yard.....	\$1.09
Twelve-foot Entry, loaders, per yard.....	1.07
Room necks, same measurement as pick mining, loaders.....	2.79

Break-throughs between rooms and entries shall be paid for at the same rate as entries of equal widths.

Loaders in narrow work and room turning to have the option of accepting tonnage and yardage rates, or being paid at the rate of \$5.95 per day, this to include use of miners' tools. The company to have the right to select loaders for this work who may be transferred at the company's option to a normal place to load or mine coal without loss of time.

Blacksmithing shall be ½ of 1% of the loader's gross earnings.

DUTIES OF MACHINE CREW

The company shall furnish all parts and supplies to keep machines in repair. The machine crew shall perform the necessary labor for repairs; not exceeding 30 minutes at any one time, without extra compensation; all excess time shall be paid for at the rate of 72½ cents per hour. The machine crew shall cut the coal within four inches of the bottom, unless prevented by physical conditions; if they fail to do so and a loader is required to do extra work the mine boss and the mine president shall agree on the amount due the loader for this work, and this amount shall be deducted from the machine crew's earnings at the rate of 72½ cents per hour.

The machine crew shall connect the machine wires to entry wires and take proper care of the machine and perform the necessary labor in moving from place to place. The machine crew shall receive and deliver bits and supplies at the same point at which pick miners receive their tools. Machines may run double shift, or they may run one shift each twenty-four hours, whether it is during the time the mine is running coal or not, provided one machine crew does not run a machine to exceed forty-eight hours a week when the mine runs every day, or as many hours as the mine runs coal, but the machine crew may work overtime in repairing their machines.

Coal that is cut may be shot at any time during the twenty-four hour day, when the mine is not in operation.

DUTIES OF LOADERS

The loader shall have the same care and responsibility of the working place as the pick miner; he will take up to and including four inches of bottom coal left by the machine when the same is ordinary (what is meant by ordinary is where it can be taken up in from 40 to 50 minutes across the room). If it takes more time, or if at any time the machine crew leaves more than four inches of bottom coal, whether caused by impurities or otherwise, the loader shall do the work at 72½ cents per hour.

No restrictions shall be placed on the amount of coal which machines may mine, or upon the number of places in which machines may cut, or upon the number of loaders who may work after one machine, provided loaders shall have a sufficient number of places to keep them employed regularly while the mine is in operation, and there shall not be more loaders employed at any time than can be given a fair turn. Where pick and machine miners are employed in the same mine the turn shall be made equal in earnings.

Should any operator employ more loaders than machine can cut for, they shall be employed at 72½ cents per hour, until loading places can be furnished.

This guarantee of work shall not apply in cases of major accidents to machine or machinery or when power is off for an unreasonable length of time, nor for the last hour of the day or when the loader leaves his working place before quitting time the preceding day.

Note: The above paragraph is inserted so that it will not be necessary to close down the entire mine when a section of the mine is prevented from loading coal by any of the above causes.

Where required, the loader shall snub the coal before being shot and leave the place in proper condition for the machine crew. The loader shall not be held responsible for conditions beyond his control.

GENERAL PROVISIONS

Any special work, such as making man holes, partings, mule barns, etc., can be done by the day at the wages guaranteed above. It is understood that the loader in timbering his place shall set props so as to clear the machine when practicable; if props are set as to interfere with the machine on account of safety the machine crew shall remove and re-set such props without compensation. The width of rooms shall be not less than twenty feet. The company shall have the right, whenever any loaders are absent, to place other loaders in the vacant places, either by the ton or by the day, at the option of the loader in order that said machine crew will not be deprived of the use of said places. If at any time there is any dispute as to the loading out of any place the case shall be taken up as provided by Resolution VIII of the Des Moines Agreement, and said loaders shall continue at work loading out said places pending settlement of same. All settlements shall date from the time question was raised.

Rules in the General Resolutions and Underground Working Conditions governing pick miners and operators shall also apply to machine loaders, and crews, and operators of machine mines.

SUB-DISTRICT NO. FOUR

SCREENS

In Boone county the screens shall be of diamond bars, with $\frac{3}{4}$ of an inch between the bars.

Screened Lump, per ton.....	\$1.80
Mine run price, 10% less than screened lump price.	
Entry Driving, per yard.....	3.10
Room Turning, not to exceed 9 ft. neck, each.....	7.78

DOUBLE SHIFTING

Double shifting entries 25 cents per yard extra. This is construed to mean where entymen are employed two separate shifts of eight hours each in twenty-four hours.

Coal at Boone less than 27 inches thick shall be considered deficient work.

DAY WAGE SCALE

Head Track Layer, per day.....	\$5.80
Head Timberman, per day.....	5.80
Drivers, Cagers, Trip Riders, per day.....	5.76
Boy Couplers, per day.....	3.85
Drillers and Shooters, per day.....	5.80
Oilers, Trappers, per day.....	3.50
All other inside adult labor, per day.....	5.65

TOP LABOR

The wages of dumpers, chunkers, screening car men, box car men, outside drivers for outside work only, mine teamsters, and all other top labor shall be \$5.18 per day, except those now receiving a higher rate of wages shall not be reduced.

Motormen, per day.....	\$5.58
Boy Slate Pickers, per day.....	3.50
Blacksmiths and machinists, per day, minimum.....	5.80

BLACKSMITHING

The company shall do the sharpening, which shall mean only the sharpening of picks, augers, and wedges, buttoning of scrapers and the cutting off of augers, the price of same shall be $\frac{3}{4}$ of 1% of the gross earnings. Miners' tools shall be given preference over all other work done by the blacksmith and sharpened in a workmanlike manner.

It is further agreed that the operator will furnish suitable place or places for the miners to receive their tools.

RULES AND CONDITIONS GOVERNING SUB-DISTRICT NO. 4, UNLESS OTHERWISE PROVIDED

1st. Pushing not to exceed 150 feet and no miner shall be required to push beyond the second switch from face of entry; if required to push more than 150 feet, 12 cents per ton extra shall be paid for the first 30 feet. Beyond that distance the price to be agreed upon locally.

2nd. All track on entry and room roads to be iron and laid at the expense of the company.

3rd. Brushing not to be more than 9 feet back from face of coal, company to build roadside buildings in entries and roadways. The miner shall leave the usual space on either side of track for said buildings, but in cases where the gob is entirely filled, the miner shall not be required to load out any dirt unless suitably compensated for so doing.

4th. Skips driven along old gobs shall be paid for at the rate of 12 cents per ton extra where it is necessary for the miner to move crushed coal or loose dirt.

MINING MACHINE SCALE FOR LONGWALL WORK—4TH SUB-DISTRICT

Loaders, per ton, screened lump coal.....	\$1.16.77
Mine run price 10% less than screened lump price.	
Machine Runners, per day.....	\$6.21
Machine Shovellers, per day.....	5.95
Machine Helpers, per day.....	5.80

It is understood that the day wage fixed for machine crew shall not prevent them from agreeing on a price per ton, provided their earnings be not less than the above wage scale.

DUTIES OF THE MACHINE CREW

They shall mine in the clay as near the coal as is practical, leaving not more than four inches of clay above the cutter bar. In case the

runner leaves more than four inches of clay above the cutter bar, the company shall handle the clay so left, and in case it is the fault of the runner the amount so paid shall be deducted from the wages of the machine crew, if the crew is working by the ton. Any black jack or other impurities between the coal and clay shall be considered a part of the vein. They shall remove the dirt cut by the machine from under the coal and gob the same, clean up, sprag the coal, and prop the place ready for the loader. Make connection of machine wire to main wire on entry, remove and replace all picks used for undercutting the coal, deliver dull picks to blacksmith shop on mine premises and receive the sharpened ones once each day if necessary.

Blacksmithing to be $\frac{1}{4}$ of 1% of gross earnings of loaders.

Should the machine require the attention of the machinist, the machine crew shall notify the mine foreman, and if the machinist should require a helper to repair said machine, then one or more of the machine crew shall assist him at the rate of $.72\frac{1}{2}$ cents per hour.

They are to remove and load all lump coal and check same to their credit. If the machine cuts up to the coal at any time, the machine crew can load out the coal, clean up the place same as a loader, and check the coal to their credit to be divided equally between runner, shoveller, and helper. When the machine crew is working by the day all coal loaded by them shall be credited to the company. When necessary the company shall furnish mule and driver to move the machine.

The machine crew shall have the same care and responsibility of places as the pick miner. Should the machine crew fail or neglect to perform any of the cares, duties or responsibilities as set forth above, and it is necessary for the loader to perform such work, the mine foreman shall be notified by the party finding this condition, and in the absence of the interested party he shall call the mine president and the two shall agree on a price for such work, and the amount so agreed upon shall be deducted from the machine crew's account and paid to the party doing such work.

LENGTH OF CUTTER BARS ON MACHINES

It is agreed that the length of the cutter bars on the machines in Boone shall not exceed three feet; in Ogden, four feet.

DUTIES OF THE LOADERS

They shall have the same care and responsibility of places as the pick miners. The places shall be taken on the rule of "first out, first in," and no restriction shall be placed on the number of loaders loading after a machine, but in case there are more loaders on the crew than there are places for them to load out, when requested by the loader, the company shall employ such loaders at company work at the rate of $.72\frac{1}{2}$ cents per hour, until places are cut for them to load coal. This guarantee of work shall not apply in cases of accident to machines or machinery or unavoidable causes or delay, nor for the last hour of the day or where the loader leaves his working place before quitting time the preceding day.

Should they fail to clean up their places ready for the machine crew, the pit boss and mine president shall investigate the matter, and shall agree on the price for cleaning same and the amount so agreed upon shall be deducted from the pay of the loader leaving the place in bad condition, and paid to the party cleaning same.

Where cap rock breaks with the coal the loader shall handle same for the loading price up to and including eight inches in thickness. When it exceeds this thickness the company shall handle the same, provided it cannot be left up.

At Boone, coal below 27 inches in height shall be considered deficient. In case the loader and the pit boss fail to agree on a price for loading out a deficient place, the loader can appeal the case to the local president and superintendent of the mine or their representatives whose decision shall be final and the loader shall continue at work pending settlement.

RUNNING TIME

A machine may run double shift or it may run one shift each twenty-four hours whether it is during the time the mine is running coal or not, provided one machine crew does not run a machine to exceed 48 hours a week when the mine runs every day, or as many hours as the mine runs coal, but the machine crew may work overtime in helping to repair machines.

GENERAL RULES

Rules in the General Resolutions and Underground Working Conditions governing pick miners and operators shall also apply to machine loaders and crews and operators of machine mines.

If at any time it becomes necessary to load coal by the day the rate shall be \$5.90 per day, this to include the use of miners' tools.

GENERAL RESOLUTIONS APPLYING TO DISTRICT NO. 13

RESOLUTION NO. ONE

DEFINITION OF EIGHT HOUR WORK DAY

(a) The above is based upon an eight hour work day and it is definitely understood and agreed that an eight hour day means eight hours' work in the mine at the usual working places for each individual employe, six days a week when required by the operator (Sundays and the following holidays excepted: New Year's Day, Washington's Birthday, April First, Decoration Day, Fourth of July, Labor Day, Thanksgiving Day, second Tuesday in December, 1928, and Christmas Day. The above named holidays shall be the only holidays under this agreement except as hereinafter provided regarding pay days.) This shall be exclusive of the time required in reaching said working places in the morning and returning from same at night.

Note: Should any of the above mentioned holidays fall on Sunday the following Monday shall be observed as same, except Washington's Birthday.

PAY DAYS AND STATEMENT OF ACCOUNT

(b) On pay days work will be discontinued at the end of five consecutive hours of the operation of the mines and the operator shall commence paying as soon as practicable after the mines have ceased operation.

The operators shall pay all wages earned during the first fifteen days of each month, not later than the first Saturday after the twentieth of said month; and for wages earned after the fifteenth of said month not later than the first Saturday after the fifth of the following month (except should pay day fall on any of the above mentioned holidays the operator agrees to pay on the preceding day in conformity with the provisions made for pay days), and statements properly dated shall be issued to employees before day payment is made, and if for any good reason an advance is asked and made it shall be done without discount, either directly or indirectly.

Where satisfactory arrangements can be made locally, the miners may at their option accept checks.

The shorter work day is granted employees on pay day with the express understanding that each individual employee will faithfully observe the rules of working eight hours, each working day and six days a week, as provided in clause (a) of this resolution. And all local unions and the individual members thereof shall adhere strictly to this rule, and in case the employees of any mine shall show a disregard for the same the operator affected may file his complaint with the Joint Board, who shall deprive the local union so offending of the privilege extended in this resolution.

RULES GOVERNING DRIVERS

(c) Drivers shall take their mules to and from the stables and the time required in so doing shall not include any part of the day's labor, their work beginning at the place where they receive empty cars; but in no case shall a driver's time be docked while he is waiting for cars at the point named. And in no case shall the drivers be required to put in more than ten minutes extra time on the road each way with their mules from the stables to the place where they receive their empty cars, without compensation for the entire time, and the custom of harnessing and unharnessing the mules shall remain the same at each mine as heretofore. Where it is the practice to haul men in the trip, the latter shall leave the bottom at such time as the company may determine to be necessary for employees to reach their working places in time to begin work at the hour fixed. It is further agreed when the day men go down into the mine in the morning they shall have at least two hours' work. This not to apply in case of accidents occurring where the men would have to be called out of the mine through a violation of the state mining law.

RESOLUTION NO. TWO**STARTING TIME**

The eight hour work day shall commence at 7 a. m. from April 1 to October 1, and 8 a. m. from October 1 to April 1, except when

otherwise agreed locally, with one-half hour for noon where firing but once a day occurs, and one hour for noon where it is necessary to fire twice a day. In neither case shall such nooning be counted a part of the eight hour day.

RESOLUTION NO. THREE**PENALTIES FOR LOADING IMPURITIES**

(a) Both the miners and operators realizing the importance of getting clean coal, to insure the sale of same, it is mutually understood and agreed that the miners and loaders will produce their coal in such a manner as not to increase the percentage of fine coal either by carelessness or reckless shooting, and will load the coal free from impurities as nearly as possible.

(b) It is the duty of the miner and loaders to clean his coal in his working place and load it as nearly as possible free from slate, sulphur, and other impurities, and if any miner be docked for sending out dirty coal, he shall be notified by the mine foreman; if he be docked a second time, he shall be fined fifty cents (50 cents); if he be docked a third time within fifteen days from the time of the first offense, or if he at any time sends out large quantities of impurities in any one car, he shall be fined \$1.00 or discharged at the option of the operator. But before discharge the mine president and superintendent shall investigate such case, and if found guilty the discharge penalty may be enforced. At all mines not now having agreements and at all new mines, the company and the local union shall, upon request of either party, determine the average car for the mine affected, and when the weight of the average car has been determined six and four-tenths per cent (64/10%) of the weight shall be considered a large quantity and three and two-tenths percent (32/10%) shall be considered a dock.

(c) It is hereby agreed that the local officers shall co-operate with the coal company to insure clean coal.

RESOLUTION NO. FOUR

(Applies to Sub-Districts 2, 3 and 4.)

RESPONSIBILITIES, TIMBERING AND CARE OF PLACES

(a) In accordance with the state law, the company shall furnish all necessary timbers and the miner shall keep his room securely propped. If a miner working in a room fails to securely prop the same, or neglects to prop as directed by the mine foreman, or carelessly shoots down the props or timbers, and a fall of slate occurs through such failure, neglect or carelessness, he shall immediately clear his roadway of such falls of slate and do all necessary retimbering, and in case of his neglect to do so, the company may do such work and charge the expense thereof to such miner.

DOUBLE TIMBERING

(b) In case the room has been properly timbered as above set forth and the roof from any cause becomes dangerous so as to re-

quire double timbering the company shall, when notified by the miner, do the necessary work to protect the roadway.

FALLS, ETC.

(c) When a fall of slate occurs between the inside props and the face of his room of an average thickness not to exceed three inches, he shall immediately remove such fall, and in case of his neglect to do so, the company may do such work and charge the expense thereof to such miner. If of a greater thickness he shall notify the mine foreman, and if the mine foreman or his representative fail to visit the miners' room within two hours after notification, the miner shall clean the fall at the rate of $7\frac{1}{2}$ cents per hour, but if, upon visiting the miner's room within the time specified above, the mine foreman and miner affected can agree on a price for cleaning said fall either by the inch, hour, or lump sum, they shall do so; if by the inch, it shall be $7\frac{9}{10}$ cents per inch per running yard; if by the hour it shall be $7\frac{1}{2}$ cents per hour; if they fail to agree on the lump sum or hour basis, the miner may remove same at $7\frac{9}{10}$ cents per inch. If he refuses to do this he shall immediately notify the mine foreman who shall furnish the necessary labor to make such removal. If the fall is not removed and the place properly secured within twenty-four hours, the miners affected thereby shall be given employment until the same is removed.

MINERS' RIGHT OF APPEAL

(d) If any miner is dissatisfied with any decision of the mine foreman, an appeal may be taken to the superintendent and the mine president, who shall decide the question, and their decision shall be final, but the miner shall continue at work pending decision.

RESOLUTION NO. FIVE

RIGHT TO HIRE AND DISCHARGE—COMPENSATION

The right to hire and discharge, the management of the mine and the direction of the working force, are vested exclusively in the operator and the U. M. W. of A. shall not abridge this right. It is not the intention of this provision to encourage the discharge of employees or the refusal of employment to applicants because of personal prejudice or activity in matters affecting the U. M. W. of A. nor on account of creed, color or nationality. If any employee shall be suspended or discharged by the company, and it is claimed that an injustice has been done him, an investigation to be conducted by the parties and in the manner set forth in Resolution No. 8 of this agreement, shall be taken up promptly, and if it is proven an injustice has been done, the operator shall reinstate said employee and pay him full compensation for the time he has been suspended and out of employment; provided, that if no decision shall be rendered within five days, the case shall be considered closed in so far as compensation is concerned, except, in cases going to arbitration the compensation limit is extended to ten days.

RESOLUTION NO. SIX

FATAL ACCIDENTS AND FUNERALS

In the event of an instantaneous death by accident in the mine, the miners and the underground employees shall have the privilege of discontinuing work for the remainder of that day. It is agreed on the part of the Local Unions of the U. M. W. of A., in District No. 13, and the coal companies of the Iowa Coal Operators' Association that the following rules will govern the question of the funerals of the members and their wives of the above locals.

It is understood that this agreement is made so that the members of the above locals shall have an opportunity to attend the funerals of their brother members and their wives, and that the company in agreeing to the following rules does so in order to facilitate the attendance at said funerals with the least possible loss of time on the part of the employees of said company.

It is agreed that each local union will appoint a committee of three (3) members to be known as the funeral committee. It shall be the duty of that committee to notify the coal company at its office of the date and time of the funeral of any member in good standing in said local, or the wife of any member in good standing in said local. This notice shall be given not later than 11 a. m. on the day preceding the day on which the funeral is to be held.

If the coal company announces work before the close of work or at whistling time on the date of such notice for the day on which such funeral is to be held, it is agreed it shall be for four (4) hours on said day of funeral and each local agrees and guarantees on behalf of all its members, the attendance of each and every member for the said half day in order that the half day output of the company's mine will not be reduced by reason of members failing to report for work on the said half day. In the event the funeral takes place in the morning, the mine will not operate on that date unless other arrangements are made.

This agreement applies only where employees are in good standing in the said local unions and have been employees of the coal company up to the date of their last sickness or where the husband of a deceased wife is a member in good standing of the said local union and is an employee of the said coal company.

It is understood that where more than one mine is under the jurisdiction of one local union this rule applies to the mine where the deceased member had been employed just prior to his death or if the deceased is the wife of a member the rule shall only apply to the mine where said member is employed.

RESOLUTION NO. SEVEN

(Applying to Shooting Coal Mines.)

TRACK LAYING BY THE MINER

It is agreed that the miner shall lay the track in his working place, and the operator shall have the option of furnishing either wooden

or iron track, provided, that if iron track is furnished the rails will be drilled and ready for use. Ties may be of wood or steel; if wood, they must be sawed or flat, and if steel they must be provided with suitable and convenient fastenings. The length of rails furnished by the operator shall not exceed twelve feet. Whenever necessary for temporary use, the miner shall be furnished short length rails.

RESOLUTION NO. EIGHT

SETTLEMENT OF DISPUTES—DUTIES AND LIMITATIONS OF MINE PRESIDENT

The duties of the mine president shall be confined to the adjustment of disputes between the pit boss and miners or mine laborers arising out of this agreement or any local agreement made in connection herewith. The mine president and the superintendent are empowered to adjust, and in case of their disagreement it shall be referred in writing to the president of the Iowa Coal Operators' Association and the president of District 13, U. M. W. of A., who may decide the matter, either in person or by representatives; their decisions shall be subject to the review and approval of the presidents; should the presidents fail to agree, they must either submit the matter to arbitration or convene the Joint Board and submit in writing the question in dispute.

No case of discharge shall be submitted to the Joint Board, and in all cases the miners or mine laborers and parties involved (except discharged employees) must continue at work until a final decision is reached in the manner above set forth.

(The Joint Board shall consist of the executive committee of the Iowa Coal Operators' Association and the executive board of District No. 13, U. M. W. of A.)

(b) If any employee doing day work shall cease work because of a grievance which has not been taken up for adjustment in the manner herein provided, and such action shall seem likely to impede the operation of the mine, the mine president shall assist the company in obtaining a man or men to take such vacant place or places at the scale rate in order that the mine may continue at work. In case the mine is shut down in violation of these agreements, or any of them, the organization will at all times furnish all the men required by the operator at the scale rate to properly care for the mine.

It is further agreed and understood no person not an actual employee in the mine can officiate as the mine president.

Note: The superintendent or the mine president will have the right to demand the Local Executive Board, the meeting of said Board not to be held while the mine is in operation, and should they fail to adjust it, it shall be referred as stated above.

RESOLUTION NO. NINE

FALSE TOP AND BOTTOM AND HOW PAID

All false top or bottom, in shooting coal mines of an average thickness of over three inches, shall be paid 7 9/10 cents an inch per

running yard; provided when the top can be left up, or the bottom left down, then the company shall not be required to pay the same.

RESOLUTION NO. TEN

ADJUSTMENT OF DEFICIENT WORK

That all deficient work not covered by this agreement shall be paid for at a price to be mutually agreed upon between the mine boss and the party concerned; if they cannot agree in any other manner, they may agree on a price per day, and failing to agree the matter shall be referred to the superintendent of the mine and the mine president for adjustment; and in case they fail to agree it shall be referred for final settlement to the operator of the mine (or his representative), and the miners' state president (or some one designated to represent him); the miner shall continue to work pending an investigation and whatever settlement is made shall date from the time the question of deficiency was raised; if the company decides to stop the place no investigation shall be made, but the miner shall be given another place.

RESOLUTION NO. ELEVEN

PRICE OF HOUSE COAL

The company shall furnish coal to its employees for ordinary house use only, and only when such employee is the head of the household, at the following prices:

Second District—	
Lump coal, per ton.....	\$2.67
Nut coal, per ton.....	1.55
Third District—	
Lump coal, per ton.....	\$3.00
At shipping mines, and at local mines, per ton.....	3.30
Fourth District—	
Lump coal, per ton.....	\$3.30

RESOLUTION NO. TWELVE

PRICES FOR DEAD WORK

All labor and dead work not covered in this agreement shall be reduced 14 per cent.

RESOLUTION NO. THIRTEEN

ENGINEERS' DUTIES AND WAGES

(a) Engineers, first class, lump coal, 300 tons and over, mine run 425 tons and over, \$180.16 per month; second class, lump coal 200 to 300 tons, mine run 285 to 425, \$173.15 per month; third class, lump coal 200 tons or less, mine run 285 tons or less, \$160.32 per month. Tail rope engineer's wages to be \$5.75 per day or \$160.32 per month, nine hours to constitute a day's work. Sunday work without extra pay shall be confined to customary care, but not

operation of machinery or boilers, and such work shall not exceed four hours per day. Should the company decide to employ a hoisting engineer by the day in lieu of monthly wages, the rate per day shall be \$6.70 (six dollars and seventy cents). This change can only be made when the coal company notifies the engineer before the first of the month of the change.

TONNAGE

(b) The tonnage shall be determined by the average of the mine for the month of November of each year effective the following April, based on screened or mine run coal, and computed on the basis of the number of hours the mine operates. This scale of wages only applies to mines in operation at least one year, and in all new mines the wages of the engineer shall be advanced with the increased tonnage each month until the maximum rate is reached. In no case shall the engineers, firemen or pumpers, be interfered with or asked to cease work by any local committee or local union official during the life of this agreement.

RESOLUTION NO. FOURTEEN

RULES AND WAGES—FIREMEN, PUMPERS, BLACKSMITHS AND NIGHTWATCHMEN

(a) Firemen and pumpers shall be permitted to work such hours as may be mutually agreed upon between them and the operators, provided that the minimum rate shall be $6\frac{3}{4}$ cents for fireman, and the minimum wages for inside pumpers shall be $7\frac{3}{4}$ cents per hour.

(b) Twelve hours for night watchmen shall constitute a day's work, and their wages shall be reduced \$1.55 per day under wages they are now receiving, but no nightwatchman now working less than twelve hours shall be required to work more than present hours. All other company men shall be permitted to work 56 hours per week when necessary, but no company men, except those necessary to get men in and out of the mine shall be compelled to work regularly more than eight hours per day. In case of emergency, mechanics, blacksmiths and other necessary men to make repairs may work over 8 hours per day and 56 hours per week.

RESOLUTION NO. FIFTEEN

CHECK OFF

The operators agree to check off all dues, initiation fees, assessments and hospital dues not to exceed five (\$5.00) dollars in any one pay from the miners and mine laborers when desired and this agreement is their authority therefor. An additional five (\$5.00) dollars per pay may be deducted for dues, initiation fees, assessments, and hospital dues at the option of the U. M. W. of A., after house rent, fuel, mine expenses and accepted orders have been made, but no compensation shall be charged for any deductions. The U. M. W. of A., District No. 13, agrees to protect the operators where such checking is done.

RESOLUTION NO. SIXTEEN

PAYMENT AND DEDUCTIONS

This agreement is based upon cash payments after deducting mine expenses, organization and hospital dues, accepted orders, house rent and fuel. No discrimination shall be made against any employee refusing to deal in the company store or live in a company house.

RESOLUTION NO. SEVENTEEN

WAGES OF MINERS TAKEN FROM FACE

Miners taken from the face shall be paid \$5.80 per day and will be given their turn of cars for one day. Any one refusing to do day work may have his turn stopped; provided he is qualified by experience to do such work; and provided further, that no one shall be required to do such day work two consecutive days and such qualified men shall be called upon in their turn.

Boys cannot be compelled to leave the face to do day work, but if so used they shall be paid the rate of wages provided for that class of work performed, and be given the turn for that day.

RESOLUTION NO. EIGHTEEN

FRACTIONAL TIME

When a mine works part of the morning the miners may continue at work until noon; when a mine works part of the afternoon the miners may continue at work for the balance of the day. The operator must notify men as soon as practicable after the mine shuts down.

No miner shall be permitted to work at the face on idle days to make coal ready and shall only be permitted to do work with permission of the mine president, the same to be in urgent cases.

This resolution to mean that no miner can work at the face to make coal ready or perform any other labor or do timbering on idle days in his place without the consent of the mine president, and in harmony with the above resolution it must be in urgent cases. If the company desires to secure miners to perform extra work they can call upon such competent help in their turn as long as they are not displacing any of the regular day men who are qualified to do such work.

RESOLUTION NO. NINETEEN

RULES GOVERNING FOREMAN DOING DAY WORK

The foreman may lend a hand when working a crew, but the company cannot lay off a man and fill his place by working a foreman or boss.

It is not the intent of this resolution that the foreman will be prevented from doing anything that is necessary to keep the mine in operation.

RESOLUTION NO. TWENTY DOUBLE SHIFTING OF ROOMS

There shall be no double shifting of rooms without the consent of the miner or miners affected.

RESOLUTION NO. TWENTY-ONE

SHOT EXAMINERS' DUTIES AND QUALIFICATIONS

(a) In all mines where coal is blasted from the solid, competent persons shall be employed by the company to examine all shots before they are charged. Said examiners shall have the power to prohibit the charging or firing of any shot, which, in their judgment is unsafe. Before entering upon the discharge of their duties, said examiners shall receive certificates of competency from the state mine inspector in the district in which the mine where they are employed is located. No mine foreman employed by the company shall be permitted to act as shot examiner. The state mine inspector shall have the power to refuse to give a certificate to any person to act as shot examiner who, in his judgment, is not sufficiently competent, or he may revoke the certificate granted should it appear that a shot examiner is negligent or careless in the performance of his work.

WHEN SHOT EXAMINERS MAY ACT AS SHOT FIRERS

(b) Whenever a majority of the miners in any mine so decide, they may employ shot firers for said mine, and whenever satisfactory arrangements can be made between the miners and the shot examiners for the same persons to act as shot examiners and shot firers, the same may be done.

RULES GOVERNING SHOT FIRING

(c) The operator shall decide as to the necessity of firing twice a day in mines that have been in operation less than one year, and a majority of the miners employed in any mine shall decide as to the necessity of firing twice a day in all mines that have been in operation more than a year; provided that in all mines where the majority of the miners decide to fire but once a day, they shall give the operator sufficient time to develop his mine so that the same working force and output per miner per day, shall not be reduced; and provided, further, that if after changing from twice to once a day firing, the majority of the miners in any mine shall decide to return to twice a day firing, or, if, after trying once a day firing for a period of thirty days that the mine is in operation, it shall be proven that the output per miner per day is less than when shooting twice a day, on account of the miner not being able to produce the coal, the operator shall have the right to return to twice a day firing.

SAFETY OF EMPLOYEES AND DUTIES OF THE MINE FOREMAN

(d) The miner shall keep his working place and the operator the entries as free from dust as practicable, and the entries shall be sprinkled as often as necessary to keep them in damp condition.

(e) In accordance with the state law only sand, soil, or clay shall be used for tamping which shall be placed in, or near each cross cut in entries, when rooms are being turned continuous. Where the block system is used it shall be placed in the center cross-cut on the entry between the rooms, and the shot holes shall be tamped solidly from the powder to the mouth of the hole, whether squibs or fuse are used to ignite the powder. Any shot having blown the tamping shall not be recharged and fired the second time.

(f) The wages of the shot examiners shall be \$8.44 per day, and they may be employed on fractional time at the above mentioned rate.

The operator shall have the privilege of installing electric shot firing machines, provided the expense of firing will be no greater on the miner than the present system.

(g) No person shall interfere with the shot examiner or shot firer in discharge of his duties, except those who have a right to do so, under the state law.

RESOLUTION NO. TWENTY-TWO

CONDITION OF WORKING PLACES

(a) The company shall as far as practicable keep the water off the road and out of the working place. When a miner has to leave his working place on account of water through the neglect of the company, it shall employ said miner at company work; provided that said miner is competent to do such work, or he will be given another working place until such water is taken out of his place.

(b) Where it is an established condition or agreement that the track shall be laid by the company, and a miner has to leave his working place on account of such track not being laid through the neglect of the company, it shall employ said miner at company work when practicable, provided said miner is competent to do such work, or he shall be given another place until such time as such track is laid in his place. In shooting coal mines, it is understood that under ordinary conditions, the miner can demand his switch when his place is in fifteen feet.

RESOLUTION NO. TWENTY-THREE

SIGNALS

In all mines when the men are going to and from their work at regular starting and quitting time, the company shall employ men at the top and bottom of the shaft, whose duty shall be to attend to signal bells.

RESOLUTION NO. TWENTY-FOUR

PRICE AND QUALITY OF POWDER

"The price of powder shall be \$2.20 per keg, and powder and other explosives shall be delivered at the miners' working places as early as practicable and to be of standard grade and quality."

Dynamite caps and fuse shall be sold at cost at the mines and shall be handled as in the past, with no additional charge. When there is any complaint against the brand of powder in use in any mine a joint investigation shall be made under the authority of the Joint Board and their decision shall be final.

REGULATING CHARACTER OF POWDER TO BE USED IN COAL

RESOLUTION NO. TWENTY-FIVE

SINKING AND DEVELOPMENT OF NEW MINES

Sinkers per day of eight hours, \$5.95. This rate of wages shall apply to men employed in opening new slopes and retimbering shafts or enlarging same. Sinkers may be continued at the above wage to complete the bottom partings and any other work in connection therewith, and if the mine is not prepared by that time to operate under the terms of this agreement and the development of entry work begins under this condition, the tonnage and yardage prices as provided for in this agreement to govern the various sub-districts, shall prevail, and twenty-seven (27) cubic feet shall be the basis for measuring a ton of mine run coal.

This to apply to normal entries. In case the entries should be abnormal, then extra compensation for such deficiency shall be allowed, the same to be determined as herein provided for the government of deficient work.

RESOLUTION NO. TWENTY-SIX

REGARDING MAN TRAIN

It is hereby agreed that this agreement does not in any way govern the operation of railroad trains, and where such are operated for the purpose of hauling men to and from the mine, all questions affecting the same must be settled without interfering with the operation of the mine. If any disagreement occurs locally, the question shall be referred to the district presidents of the two associations.

RESOLUTION NO. TWENTY-SEVEN

AMBULANCES, BANDAGES, ETC.

At all mines the operator shall keep a supply of blankets, oil, bandages, and stretchers, and in case of accidents, shall furnish a suitable conveyance to care for and convey the injured persons to their homes.

The Joint Board shall encourage "First-Aid to the Injured" work, and a committee of three operators and three miners shall be appointed for this purpose.

RESOLUTION NO. TWENTY-EIGHT

RAILROAD CAR QUESTION

It is understood that an operator shall not ask the miners to go to work when he has no assurance of cars, or less than enough to

provide two hours' work, but when the operator has the assurance that cars will be received within two hours from the starting time, the men shall go to their working places.

If cars are not received at the end of two hours, the operator must notify the men immediately, and the miners shall not be required to go to work the next day, unless enough cars are at the mine for at least one-half day's continuous operation. If an operator abuses this resolution he shall be fined \$25.00 for each offense.

RESOLUTION NO. TWENTY-NINE

SQUARE TURN

In all mines, the mine foreman must keep a square turn as nearly as possible, and the turn must be made even once each day or oftener, if practicable.

RESOLUTION NO. THIRTY

PENALTIES FOR VIOLATION OF AGREEMENT

(a) Should any local union or its members employed at any mine cause the mine or a part of the mine to shut down, in violation of this agreement (where the state mining law is not being violated) each member of the U. M. W. of A. employed at said mine, except those who continue at work, shall be fined two dollars (\$2.00) for each day or part of a day the mine is thus thrown idle.

When the miners shut a mine down, or part of the mine, because they claim the state mining law is being violated, and the above fine is assessed, and it should be proven upon investigation that said law was being violated, as they claimed, then the operator shall be fined two dollars (\$2.00) per day per man affected; provided that the miners have handed to the operator or his representative a written statement, signed by officers of the local union at the time of said shut down and before they leave the premises, setting forth why the shut down occurred, also how and wherein the said law was being violated.

(b) Should any operator, or his representatives, cause the mine or a part of the mine to shut down in violation of this agreement, where the state mining law is not being violated, he shall be fined two dollars (\$2.00) per man affected, for each day or part of a day the mine is thus thrown idle.

(c) Any U. M. W. of A. officer or committeeman who shall advise or encourage any employe to refuse or cease work, where he has a right to work under this agreement, may be discharged.

(d) Any operator, who, through his mine foreman or any other representative, refuses to live up to this agreement, as interpreted by joint authority or refuses to redeem any written promise he makes an employee, or causes any employee to lose work that he is entitled to under this agreement shall be fined five dollars (\$5.00) for each offense.

(e) Whenever at any mine one or more men regularly employed

at day work refuse or fail to work, because of any grievance he or they shall be fined two dollars (\$2.00) for each day or part of a day.

(f) Not more than five days' fine can be assessed, by either party for any one shut down in violation of this agreement.

(g) All fines assessed against employees under this agreement shall be collected by the operator from the pay for the half month in which the fine is applied in accordance with Paragraph (i) of this resolution, or the first money due thereafter, and the operator shall remit the same to the treasurer of the Joint Board within twenty days after collection, with an itemized statement of the same for the U. M. W. of A. and the Coal Operators Association. A failure on the part of the operator to do so shall make him liable to a penalty of 50 per cent of the amount involved.

(h) All fines assessed against the operator shall be remitted to the treasurer of the Joint Board within twenty days after official notice is given in writing. Said notice shall be given within two weeks from the alleged violation, stating the cause of the fine from the local union to the operator affected.

(i) Before any fine is assessed under the above provision an investigation as to whether the agreement has been violated shall be made by three miners and three operators selected by the presidents of the two organizations within three days after shut down has been reported, and if they fail to agree, the question shall be arbitrated within one week from the time of their appointment.

It is further agreed that where any employee enters suit in the civil courts to recover any fine collected in accordance herewith the District Organization shall reimburse the operator for expense incurred on account of such suit.

The Joint Board may use all the monies received from fines for such worthy purposes as it may deem proper.

RIGHT OF APPEAL

If any local union or operator claims that a fine has been collected contrary to the terms of this agreement, they shall have the right of appeal to the Joint Board. Any appeal not settled within thirty (30) days must be arbitrated.

RESOLUTION NO. THIRTY-ONE

LABOR SAVING MACHINERY

The right to install mechanical loaders and conveyors of all types is recognized. For the purpose of providing a tonnage basis if practicable for loading coal with such machinery, a commission of two from each side shall be appointed to study and investigate the various conditions surrounding the use of such machinery so that a tonnage basis will be arrived at that will be just to all districts within the state and enable the operators to load coal on a basis that will be fairly competitive. We agree further that until such a time as this commission completes its work and is in a position to render a joint decision, the following scale of wages shall apply:

Runner, per day.....	\$7.91
Shoveller, per day.....	7.65
Loader, per day.....	7.65

Loader to furnish his own tools for the above prices.

RESOLUTION NO. THIRTY-TWO

In all new shooting coal mines opened during the term of this agreement there shall be end doors in mine cars. This shall not prevent the use of open end cars for the handling of dirt.

RESOLUTION NO. THIRTY-THREE

DISTRICTS

District No. 2, all shooting coal mines in Wapello, Marion, Monroe, Davis, Warren, Lucas, Mahaska and Keokuk counties. District No. 3, all shooting mines of Polk, Jasper, Dallas and Boone counties. District No. 4, all mining coal mines of Boone and Webster counties.

When a new mine is opened and there is any question as to which district it should be placed in, the Joint Board shall decide as to the district, or if it is found necessary to have a special scale for said mine, the Joint Board shall make such scale as to them seems just and proper.

RESOLUTION NO. THIRTY-FOUR

TIME LIMIT IN WHICH CASES SHALL BE TAKEN UP AND DISPOSED OF

It is understood that all cases arising out of this agreement shall be taken up for investigation and settlement, within the time limits herein specified.

(1) All discharge cases must be taken up and settled within one week from date discharge occurs.

(2) All deficiency cases must be disposed of within two weeks from date case was placed in the hands of the officers.

(3) All other cases arising out of this agreement shall be disposed of within thirty (30) days including cases going to the Joint Board.

RESOLUTION NO. THIRTY-FIVE

LOCAL DEMANDS

There shall be no demands made locally which are in conflict with this agreement and all established working local agreements and customs heretofore existing not in conflict with the present agreement, shall remain in force, unless changed by mutual consent.

Signed on behalf of the Operators,

GEORGE HEAPS, JR.,
President.
SAM BALLENTYNE,
Secretary.

Signed on behalf of the Miners.

J. H. MORRIS,
President.
JNO. GAY,
Secretary.

MINERS WAGE AGREEMENT FOR 1930

The joint scale committee of the United Mine Workers of America, District No. 13, which embraces the state of Iowa and the Iowa Coal Operators' Association on Tuesday, April 15th, agreed to continue the same wage scale as that which expired March 31, 1930, for another year, the agreement being effective to and including March 31, 1931.

The new agreement makes several changes from the pay days arrangements under the old contract, the miners were being paid the first Saturdays after the fifth and twentieth of the month. This sometimes has resulted in pay days falling three weeks apart. Under the new contract pay days will come on the tenth and twenty-fifth days of each month regardless of the day of the week.

Provision is also made whereby the miners will accept checks instead of cash wherever suitable banking facilities can be arranged or method of cash being offered.

BUREAU OF LABOR

Approved and Forwarded April 30, 1930