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TWENTY-THIRD ANNUAL REPORT

OF THE

State Inspector of Coal Mines

1935



1936



THE BRADFORD-ROBINSON PTG. CO., DENVER



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LETTER OF TRANSMITTAL

Denver, Colorado, May 7, 1936.

To His Excellency,

ED C. JOHNSON,
Governor of Colorado.

Sir: Herewith I have the honor to submit to you, in accordance with Section 3475 of the Compiled Laws of Colorado of an Act entitled "Coal Mining Laws," Annual Report of this department.

The period covered being the calendar year 1935.

Respectfully,

THOMAS ALLEN,
State Inspector of Coal Mines.

PERSONNEL OF THE COAL MINE INSPECTION DEPARTMENT

THOMAS ALLEN, Chief Inspector.....	Denver, Colo.
ADA R. TIBBITS, Chief Clerk.....	Denver, Colo.
MAX M. GREENWALD, Assistant Clerk.....	Denver, Colo.

FIELD FORCE AND DISTRICTS

W. M. LAURIE, 512 Ash St., Trinidad.....	District No. 1
All the mines in Las Animas county and the Bunker Hill, C. O. D. No. 2, Nugget, Pickens Red Ash, Pryor and Spanish Peaks mines in Huerfano county.	
HUGO H. MACHIN, 721 Macon St., Canon City.....	District No. 2
All the mines in Elbert, El Paso, Fremont and Huerfano counties except the five mines listed in District No. 1.	
JAS. W. GRAHAM, Lafayette.....	District No. 3
All the mines in Adams, Boulder, Larimer, Moffat, Routt and Weld counties.	
GEORGE C. DALRYMPLE, % La Court Hotel, Grand Junction.....	
.....	District No. 4
All of the mines in Archuleta, Delta, Garfield, Gunnison, La Plata, Mesa, Montezuma, Montrose, Ouray, Pitkin, Rio Blanco and San Miguel counties.	

SUMMARY OF THE COAL PRODUCTION OF COLORADO FOR 1935

Number of mines operated	367
Number of new and old mines opened—new mines 7, old mines reopened 38; total.....	45
Number of mines closed 14, abandoned 3; total.....	17
Tons of sub-bituminous coal produced	2,393,087
Tons of semi-bituminous coal produced	157,398
Tons of bituminous coal produced	3,394,412
Tons of anthracite coal produced	3,764
TOTAL NUMBER OF TONS OF COAL PRODUCED.....	5,948,661
Increase, 1935	697,658
Tons of run of mine coal produced	1,046,645
Tons of lump coal produced	1,515,622
Tons of nut coal produced	626,606
Tons of pea coal produced	985,411
Tons of slack coal produced	1,774,377
Percentage of slack coal produced.....	36.2
Tons of coal mined by hand	1,712,179
Tons of coal mined by machine.....	4,236,482
Number and kind of machines used—compressed air 48, electric 364; total.....	412
Tons of coal mined for shipment—By railroad 4,420,920, by truck and wagons 1,373,653; total.....	5,794,573
Tons of coal used at the mine for power and heat.....	154,088
Tons of coal shipped out of the state	786,158
Tons of coal made into coke.....	427,001
Tons of coke made.....	256,110
Number of days coke ovens were operated.....	308
Number of coke ovens used	179
Number of men employed at coke ovens.....	51
Number of miners employed—pick miners 1,818, machine miners 3,174; total.....	4,992
Number of men employed in and about mines (average).....	8,401
Average number of days worked (man-days).....	168.3
Daily production per miner, tons.....	7.1
Annual production per miner, tons.....	1,191.65
Number and type of safety lamp used—flame 445, electric 6,995; total	7,440
Number of carbide lamps used.....	2,590
Number of pounds of carbide used (approximate)	93,565
Number of pounds of black powder used	820,214
Number of pounds of permissible powder used	291,380
Number of pounds of dynamite powder used	42,076
Number of men killed—underground 23, surface 3; total.....	26
Number of men injured	1,114
Number of men killed per thousand employed—actual days worked	3.09
Number of men killed per thousand 300 day workers.....	5.51
Number of men injured per thousand employed.....	132.63
Number of tons of coal produced for each life lost.....	228,793
Number of tons of coal produced for each non-fatal accident.....	5,340
Number of men killed per million tons of coal produced.....	4.37
Number of men injured per million tons of coal produced	187.27
Number of men employed per fatal accident.....	323.11
Number of men employed per non-fatal accident.....	7.54
Number of widows left.....	20
Number of children left fatherless.....	51
Cost of development work done in mines during 1935.....	\$ 233,624.00
Mines reporting	121

NOTE—Yearly reports of 8 mines were filed too late to embody their combined production of 3,184 tons of coal in the tables of this Annual Report. However, they are included in the "Mine Directory."

STATEMENT SHOWING RECEIPTS AND DISBURSEMENTS FROM JANUARY 1 TO DECEMBER 31, 1935

RECEIPTS

Tax collected on coal mined.....	\$22,476.12	
License to operate coal mines.....	11,750.00	
Sales of copies of the coal mining laws.....	96.95	
Refunds	6.92	
Balance brought forward from 1934.....	1,585.10	
	<hr/>	
Total		\$35,915.09

DISBURSEMENTS

Salaries entire department.....	\$18,904.69	
Fatal accident investigators, per diem and expenses	123.00	
Railroad transportation.....	197.58	
Automobile mileage and expenses.....	2,532.36	
Board of Examiners	1,712.98	
Printing	1,823.49	
Postage	635.82	
Stationery and office supplies.....	802.43	
Telephone service (toll calls entire department)...	223.78	
Telegraph service.....	42.64	
Field equipment	306.13	
Hotel	531.95	
Meals	573.90	
Miscellaneous	1,093.21	
	<hr/>	
Total		\$29,503.96
		<hr/>
Balance on hand December 31, 1935.....		\$ 6,411.13

INTRODUCTION

Twenty-third Annual Report
OF THE
State Inspector of Coal Mines
1935

The report on the coal industry for Colorado for 1935 is very gratifying as it shows a substantial increase in production over 1934 and a trend towards better times. Colorado produced 5,948,661 tons of coal during the calendar year of 1935, which represents an increase of 697,658 tons over the year of 1934. This tonnage was produced by 367 mines employing an average number of 8,401 miners and other employees who worked 168.3 man-days, an increase of 272 men and 23.4 man-days over 1934. There were 342 companies and individual operators reported, with very few operators working more than one mine.

The 1934 production was approximately 42% of that produced in 1918 which was the peak year in the coal industry of Colorado. Since 1929 the production dropped steadily until this year, which showed an increase as above stated.

The great decrease in production also diminished the revenue which is necessary to maintain this department. To overcome this loss in revenue, new legislation was enacted by the Thirtieth General Assembly requiring all coal mines to take out an annual license. Mines producing 500 tons or less annually pay a \$10.00 fee. Mines producing in excess of 500 tons and less than 1,000 tons pay an annual fee of \$25.00. All mines producing in excess of 1,000 tons annually must procure a \$50.00 license. Three hundred sixty licenses to operate a coal mine were issued to mines producing from 20 tons of coal annually, to the largest which produced 292,368 tons of coal during 1935. Seven mines closed either prior to the law going into effect or were closed for failure to get a license.

Of the 367 mines reporting only 76 have railroad connection, the balance being served by trucks and wagons.

The number killed in and around mines was 26 men, 4 of whom were killed in the Bear Canon mine explosion in Las Animas county. There were 1,114 injuries reported. Detailed ratings of injuries and deaths are recorded in the tables of this report.

A number of new names appear in the list of mines reported herein. They do not all represent new mines. In most cases they are old mines reopened under new names by new operators. However, in cases where the mines have changed hands the old names were retained unless the operator insisted on the change.

For a number of years the classification of coal (sub-bituminous, semibituminous, bituminous, semianthracite and anthracite)

was given as reported by the operator. This year the classification of coal as shown was checked from the reports of the U. S. Geological Survey wherever such reports were available.

Seven new mines were opened up for local trade only. They are as follows:

Canon Imperial Mine, Canon Imperial Coal Co., Florence, Fremont County.

Manley Mine, Manley Coal Co., Canon City, Fremont County.

Nugget Mine, Joe Maloney, Walsenburg, Huerfano County.

Golden Mine, Golden Mines, Inc., Golden, Jefferson County.

Comet Mine, Bracken & Mathews, Galeton, Weld County.

Galeton Mine, Phillips & Roedeffer, Galeton, Weld County.

Graden Mine, Graham & McFadden, Longmont, Weld County.

The equipment installed and the cost of same was not included in the above mentioned mines, excepting the Garden Mine which reported an expenditure of \$16,000.00 for sinking and equipping a shaft 315 feet deep.

Competitive fuels in the market, such as oil and gas, have been partly responsible for the reduction in coal consumption in Colorado and other parts of the United States. To meet this condition, new methods of preparation and selling are being used. Operators and sales agencies are getting together and acting collectively in defending themselves against these intrusions of their markets. Newer methods of mining are being adopted to reduce the costs of mining in order to meet the prices of competitive fuels.

The newer mining methods include mechanization, and several companies in Colorado are now experimenting with mechanical loading machines. Judging from experience and results obtained in other states, there is every possibility that machinery will replace the arduous hand loading of coal.

The introduction of mechanical loading will mean many changes in a great many of our mines with all attention directed to the safety factors of these installations, necessitating new rules and regulations.

EDUCATIONAL PROGRAM

The department was instrumental in inaugurating Safety and Educational work among those employed in our coal mines. More than 300 men were trained in "First Aid to the Injured" through the aid of the State Board of Vocational Training, who paid a large part of the expense and salary of the instructors, the other part being subscribed by the coal mine operators, United Mine Workers of America and industrial concerns selling supplies and equipment to the coal mines. Fifty-six men were trained in Helmet Work, Mine Rescue and Recovery. The cost of this training was borne by the State Board of Vocational Training who paid the salaries of the instructors. The coal companies paid approximately

\$4.50 for supplies for each man and wages for the time spent during his training. The United States Bureau of Mines furnished instructors and the use of their equipment, and I herein express appreciation and thanks to them and to the others, for their valuable assistance.

As result of the educational program conducted, 267 men out of 297 applicants passed the examination for coal mine officials. The examinations were held in September, 1935, at six centrally located places, so those desiring to take the examination would not be put to a large expense or loss of time, as heretofore has been the case.

WORK OF FIELD FORCE

The department acknowledges gratefully the cooperation rendered by both the operators and workers in complying promptly and in a most friendly way with the recommendations made by the inspection staff for the safeguarding of life and property.

The following is a summary of the work done by the field force during the year.

Total number of inspections made.....	759
Total number of mines inspected.....	483
Number of fatal accidents investigated.....	22
Number of inquests attended.....	13
Scales inspections.....	23
Complaints investigated and adjusted.....	40
Prosecutions	None
Miles traveled by automobile.....	33,443
Miles traveled by railroad.....	848

In conclusion, I wish to extend my thanks and appreciation to the field force for their good work and for the loyal support given this department.

In general, there is a feeling of optimism in the industry; coal sales have increased and good will exists between the operators and labor and we are going into 1936 with every hope and expectation that these good conditions will prevail and that our coal industry will continue to have a steady growth.

THOMAS ALLEN,
State Inspector of Coal Mines.

DIRECTORY OF COAL MINES IN THE STATE OF COLORADO FOR THE YEAR ENDING DECEMBER 31, 1935

TABLE NO. 1

TABLE SHOWING, BY COMPANY AND INDIVIDUAL OPERATORS, NUMBER OF TONS PRODUCED, NUMBER OF MEN EMPLOYED AND NUMBER OF MEN INJURED FOR THE YEAR 1935

COMPANIES	Total Production	No. of Men Employed	No. of Fatal Accidents	Number of Non-Fatal Accidents
Adair, Ivor	310	2	.....	.....
Ainsworth, H. A.	169	2	.....	.....
Alamo Coal Co.	54,919	121	.....	3
Allan, David.	54,851	79	1	3
Allen, Clarence	135	1	.....	.....
Altitude Fuel Co.	15,877	26	.....	11
American Independent Coal Co.	12,826	27	.....	.....
American Smelting & Refining Co.	98,860	132	.....	10
Arrow Coal Co.	442	10	.....	.....
Ayres, C. W.	363	3	.....	.....
Aztec Coal Mining Co.	13,617	40	.....	1
Babef, Michael.	48	1	.....	.....
Babson Coal Co.	1,393	3	.....	.....
Bachy Coal Co.	250	2	.....	.....
Bald, J., and Co.	3,223	10	.....	.....
Baldy Coal Co.	5,451	7	.....	.....
Baldwin Fuel Co.	439	1	.....	.....
Barbour Coal Co.	7,301	125	.....	1
Barker Coal Co.	3,346	4	.....	.....
Barnell, Geo. M.	2,699	3	.....	.....
Batchelor, Chas.	136	2	.....	.....
Battoia, F.	297	2	.....	.....
Bear, Tony.	9,863	12	.....	.....
Bear Canon Coal Co.	11,572	33	4	4
Bear River Coal Co.	71,471	81	.....	24
Beasley, S. J.	462	1	.....	.....
Belardeta, R.	437	3	.....	.....
Bellino, Frank.	150	1	.....	.....
Bennett Coal Co.	496	1	.....	.....
Bierce, Jas. A.	526	2	.....	.....
Black, Earnest R.	1,335	4	.....	.....
Black Cat Coal Co.	1,044	2	.....	.....
Black Diamond Coal Co. (Delta)	489	2	.....	.....
Black Diamond Coal Co. (La Plata)	1,500	4	.....	1
Black Diamond Fuel Co. (Boulder)	49,853	50	.....	7
Black Hawk Coal Co.	6,162	12	.....	3
Black Hills Coal Co.	34	3	.....	.....
Bluff Springs Leasing Co.	10,415	24	.....	6
Boaglio Coal Co.	276	2	.....	.....
Bogliano, Cesare.	172	2	.....	.....
Bohlender Coal Co.	3,349	6	.....	.....
Boulder Canon Coal Co.	1,958	5	.....	.....
Boulder Valley Coal Co.	203,323	134	1	35
Bowman, Guillermo.	433	2	.....	.....
Bracken & Mathews.	244	3	.....	.....
Brook Canon Coal Co.	5,753	12	.....	4
Brookside Coal Co.	6,353	13	.....	2
Brown Bros.	165	1	.....	.....
Brown, Leonard.	1,413	2	.....	.....
Buddy Coal Co.	1,911	3	.....	.....
Bueno, Jose Y.	70	2	.....	.....
Bunker Hill Coal Co.	801	2	.....	.....
Busheff, N. M.	6,338	10	.....	3
Busy Bee Coal Co.	5,570	9	.....	2
Caddell Coal Co.	1,398	6	.....	.....
Caldirola Coal Co.	17,034	28	.....	3

TABLE NO. 1—Continued

COMPANIES	Total Production	No. of Men Employed	No. of Fatal Accidents	Number of Non-Fatal Accidents
Caliente Coal Co.....	42,159	120	.....	3
Calumet Fuel Co.....	236,318	230	.....	10
Canon Black Diamond Coal Co.....	34,765	42	.....	2
Canon Black Hawk Coal Co.....	1,891	6	.....	.....
Canon Ideal Coal Co.....	1,441	2	.....	1
Canon Imperial Coal Co.....	239	3	.....	1
Canon Monarch Coal Co.....	24,385	38	.....	11
Canon Peacock Coal Co.....	1,514	4	.....	.....
Canon Red Arrow Coal Co.....	5,774	10	.....	2
Canon Zenith Coal Co.....	3,947	7	.....	.....
Caprock Fuel Co.....	7,705	9	.....	3
Carestia, Paul.....	475	2	.....	.....
Castle Coal & Mining Corporation.....	8,111	11	.....	7
Chergo, Tom.....	20	1	.....	.....
Clarke Coal Co.....	3,385	3	.....	1
Clayton Coal Co.....	212,725	264	2	46
Coal Gulch Coal Co.....	352	3	.....	.....
Coats, Milo.....	30	1	.....	.....
Colorado Fuel & Iron Co.....	917,978	1,120	5	121
Colo. Springs Coal Co.....	39,142	70	1	13
Colorado & Utah Co.....	168,982	149	.....	49
Combs, R. E.....	1,781	6	.....	.....
Community Coal Mining Association.....	396	1	.....	.....
Consolidated Coal & Coke Co.....	100,408	118	1	6
Cooperative Coal Association.....	215	2	.....	.....
Cordray, Orie M.....	80	1	.....	.....
Corley Coal Co.....	14,445	24	.....	3
Coryell, Frank.....	8,525	9	.....	.....
Cox Coal Co.....	480	2	.....	.....
Cox, T. L.....	272	1	.....	.....
Cracker Jack Coal Co.....	1,438	4	.....	1
Creager, L. W., & Co.....	350	2	.....	.....
Crested Butte Coal Co.....	30,415	37	.....	8
Cribb, E. B.....	20,162	26	.....	3
Daisy Coal Co.....	1,226	3	.....	.....
Dalrymple, J. M.....	972	2	.....	.....
Daniels, C. C.....	9,062	18	.....	1
Danville Coal Co.....	1,632	2	.....	2
Deboy, Frank.....	319	1	.....	.....
Deldosso Coal Co.....	10,632	24	.....	2
Deep Creek Coal Co.....	200	2	.....	.....
Dent, R. B.....	384	2	.....	.....
Diamond Fuel Co.....	1,406	4	.....	2
Dick Coal Co.....	15,613	28	.....	5
Di Giacomo, Pasquale.....	345	2	.....	.....
Domestic Coal Co.....	10,691	17	.....	4
Double Dick Coal Co.....	25,136	34	.....	1
Drennan Coal Co.....	491	2	.....	1
Dufur, Xavier.....	287	2	.....	.....
Durango Coal Co.....	1,701	4	.....	.....
Durkan, Jas. L.....	86	3	.....	.....
Eagle Coal Co.....	800	3	.....	.....
Elder, Gene.....	182	2	.....	.....
Eldorado Coal Co.....	6,301	10	.....	1
Electric Coal Co.....	1,228	2	.....	.....
Empire Coal Co.....	1,378	55	.....	.....

TABLE NO. 1—Continued

COMPANIES	Total Production	No. of Men Employed	No. of Fatal Accidents	Number of Non-Fatal Accidents
Estes, Tedford.....	1,178	2	.....	.....
Evans Coal Mining Co.....	14,690	35	.....	1
Farmers Mutual Coal Co.....	1,428	2	.....	1
Fawn Hollow Coal Co.....	3,461	10	.....	1
Fields, L. A.....	55	1	.....	.....
Fishers Peak Coal Co.....	382	1	.....	.....
Florence Canon Coal Co.....	313	4	.....	.....
Florence Coal Co.....	1,624	3	.....	.....
Flynn, Jas. J., Trustee.....	2,216	15	.....	.....
Foreman, Thos. D.....	646	2	.....	.....
Frisco Coal Co.....	2,032	5	.....	2
Frodsham, Vincent.....	866	1	.....	.....
Fruth & Micheletti.....	357	2	.....	.....
Gallegos, Dario.....	250	1	.....	.....
Garcia, Benito.....	478	1	.....	.....
Garfield Coal Co.....	5,198	8	.....	1
Gearhart, Ballard.....	6,458	7	.....	2
Gem Coal Co.....	2,998	6	.....	.....
George, Sam, & Sons.....	1,097	3	.....	.....
Gilson Asphaltum Co.....	6,888	9	.....	1
Giordano Coal Co.....	1,445	5	.....	1
Girling, Royden G.....	200	2	.....	.....
Giuliano & Carpine.....	30,042	52	.....	2
Glo Coal Co.....	514	3	.....	.....
Golden Coal Mines, Inc.....	327	3	.....	.....
Gorbella, Dominic.....	844	2	.....	.....
Gordon Coal Co.....	47,018	70	.....	7
Graham & McFadden.....	1,273	7	.....	1
Gray, L. J.....	274	1	.....	.....
Green Valley Coal Co.....	5,187	4	.....	2
Greenwood, Geo. A.....	54	1	.....	.....
Griffiths Coal Co.....	7,484	13	.....	2
Hackman Coal Co.....	1,989	3	.....	.....
Hart, G. G., & Son.....	715	2	.....	.....
Hasty, N. M., & C. Hasty.....	1,492	4	.....	.....
Hawks Nest Coal Co.....	3,807	5	.....	1
Hayden Coal Co.....	139,372	161	1	33
Hayden Valley Coal Co.....	1,009	2	.....	.....
Henderson Coal Co.....	689	4	.....	.....
Hesperus Coal Co.....	789	3	.....	.....
Hick, Earnest.....	2,916	3	.....	.....
Hick, J. C.....	1,474	3	.....	.....
High View Coal Co.....	9,341	9	.....	.....
Himes, A. H.....	300	2	.....	.....
Home Fuel & Supply Co.....	2,900	4	.....	1
Hopper, A. F.....	630	3	.....	.....
Horace Anthracite Co.....	1,513	23	.....	2
Huerfano Coal Co.....	49,295	104	.....	7
Imperial Coal Co.....	157,939	135	.....	20
Independent Coal Co.....	1,137	3	.....	.....
James Bros.....	463	1	.....	.....
Jefferson Coal Co.....	6,813	10	.....	7
Jeffries Fuel Co.....	2,436	3	.....	3
Jewel Collieries Corp.....	31,881	57	.....	2
Johnson, Claude J.....	100	1	.....	.....

TABLE NO. 1—Continued

COMPANIES	Total Production	No. of Men Employed	No. of Fatal Accidents	Number of Non-Fatal Accidents
Jones & Trachta.....	51	1	.....	.....
Jones, R. C.....	208	3	.....	.....
Jones, Walter L.....	943	3	.....	.....
Jordan, Guy.....	475	2	.....	.....
Juanita Coal & Coke Co.....	33,392	39	.....	3
Kannah Creek Coal Association.....	75	2	.....	.....
Keck, W. R.....	732	6	.....	.....
Keota Coal Co.....	370	5	.....	.....
Kerr Coal Co.....	23,907	34	.....	.....
Keystone Coal Co.....	67,099	103	.....	23
Kezele, John.....	362	2	.....	.....
King & Mitchell.....	1,639	2	.....	.....
Knez, Joe.....	2,541	3	.....	.....
Knowlton, W. H.....	233	1	.....	.....
Kovac, Martin.....	1,909	3	.....	.....
Ko-Z Coal Co.....	5,985	11	.....	3
La Salle Coal Co.....	2,648	6	.....	.....
Le Donne, Jas.....	1,382	3	.....	.....
Leyden Lignite Co.....	113,652	110	2	22
Liberty Coal Co.....	936	2	.....	.....
Little Johnny Coal Co.....	3,693	7	.....	2
Llewellyn Coal Co.....	1,061	2	.....	.....
Lone Pine Coal Co.....	980	2	.....	.....
Louisville-Lafayette Coal Co.....	94,386	102	3	15
Lowe Coal Co.....	845	4	.....	.....
Lowery, Ray H.....	100	1	.....	.....
McBroom, Chas.....	37	1	.....	.....
McDonald, W. G.....	9,886	8	.....	1
McNeil Coal Corp.....	79,515	84	.....	16
McPherson, Guy.....	424	3	.....	1
Major Coal Co.....	5,445	14	.....	9
Maloney, Joe.....	981	8	.....	1
Mancos Coal Co.....	2,014	6	.....	.....
Mancos Hill Coal Co.....	1,077	4	.....	.....
Manley Coal Mining Co.....	3,289	8	.....	.....
Marinelli Bros.....	147	2	.....	.....
Martin Coal Co.....	4,287	7	.....	.....
Martin, Gus.....	93	1	.....	.....
Martorano & Sons.....	607	2	.....	.....
Matia, John D.....	5,834	11	.....	2
Mattivi & Sons.....	390	2	.....	.....
Mesa County Coal Co.....	979	2	.....	.....
Micheli, Pio.....	11,270	20	.....	1
Midnight Coal Co.....	1,594	4	.....	.....
Midwest Red Arrow Coal Co.....	1,915	2	.....	.....
Minnequa Fuel Co.....	11,987	21	.....	.....
Moffat Coal Co.....	159,026	226	1	38
Morasky, Joe.....	1,184	4	.....	.....
Morning Star Coal Co.....	2,367	4	.....	.....
Mt. Carbon Anthracite Co.....	2,251	6	.....	2
Mundell, J. W., & Son.....	942	2	.....	.....
Murrell, Jas.....	214	2	.....	.....
National Fuel Co.....	236,271	230	.....	42
Neish, Wm. H.....	8,188	6	.....	.....
New Standard Coal Mining Co.....	12,260	28	.....	3
Niggerhead Mining Co.....	1,236	13	.....	.....
Northern Coal Co.....	2,442	5	.....	.....
North Park Coal Co.....	21,320	24	.....	2
Nossaman, W. T.....	111	1	.....	.....
Oberding, W. J.....	182	2	.....	.....

TABLE NO. 1—Continued

COMPANIES	Total Production	No. of Men Employed	No. of Fatal Accidents	Number of Non-Fatal Accidents
Ohio Creek Coal Co.....	1,226	2	.....	.....
O. K. Coal Co.....	3,449	8	.....	1
Oliver Coal Co.....	64,187	67	.....	5
Overcamp, Walter.....	173	2	.....	.....
Palisade Clean Heat Coal Co.....	4,384	11	.....	2
Paonia Farmers Coal Co.....	3,280	3	.....	.....
Paramount Coal Co.....	904	5	.....	1
Pasch, Chris.....	256	2	.....	.....
Pattison, Lee H.....	1,330	2	.....	.....
Peachey Coal Co.....	13,029	34	1	3
Peerless Coal Co.....	1,321	2	.....	.....
Perino Coal Co.....	1,517	3	.....	1
Petry Coal Co.....	1,104	4	.....	.....
Phelan & Shaver.....	1,669	2	.....	.....
Pickens, Geo. T.....	385	2	.....	.....
Pikes Peak Fuel Co.....	201,916	176	1	27
Pine River Coal Co.....	114	1	.....	.....
Pittsburgh Coal Co.....	1,756	5	.....	2
Placita Coal Mining Co.....	1,373	3	.....	.....
Pluto Coal Mining Co.....	15,684	19	.....	2
Pollard, C. F.....	2,476	3	.....	.....
Pollo, John, Jr.....	550	1	.....	.....
Pottorff, Frank.....	180	1	.....	.....
Premier Coal Co.....	3,032	6	.....	2
Pryor Coal Mining Co.....	56,566	85	.....	6
Rainbow Coal Co.....	485	2	.....	.....
Rasmussen, H. J.....	1,267	3	.....	.....
Rauman Coal Co.....	314	2	.....	.....
Ream, W. A., Coal Co.....	14,838	81	1	8
Rector, Rosa.....	111	1	.....	.....
Red Ash Coal Co.....	7,800	17	.....	3
Red Canon Coal Co.....	3,389	5	.....	1
Regal Coal Co.....	1,404	6	.....	.....
Reinau, I. F.....	215	1	.....	.....
Reinau, R. C.....	1,168	2	.....	.....
Rice, Arthur.....	417	2	.....	.....
Riggio, Nick.....	2,385	3	.....	.....
Riggs, W. E.....	858	5	.....	.....
Ritchneg, Jno.....	568	2	.....	.....
Riverside Coal Co.....	1,505	5	.....	.....
Riverview Coal Co.....	2,580	2	.....	.....
Rocchio Coal Co.....	6,241	10	.....	4
Rockdale Coal Co.....	325	2	.....	.....
Rocky Mountain Fuel Co.....	485,403	650	.....	98
Rodeffer, E. W.....	217	4	.....	.....
Roderick & Porter.....	129	1	.....	.....
Roggero, Joe.....	483	2	.....	.....
Rolfes, Geo. T.....	7,200	8	.....	.....
Rollins Fuel Co.....	154	1	.....	.....
Ross Coal Co.....	2,267	4	.....	2
Routt County Mining Co.....	2,496	4	.....	.....
Royal Gorge Coal Co.....	8,098	21	.....	1
Russell, W. E., Coal Co.....	66,807	61	.....	21
Sanchez, Demetrio.....	1,134	2	.....	.....
Santa Fe Coal Co.....	703	2	.....	.....
Scruggs, Clyde (no production).....	.....	.....	1	.....
Shamrock Coal Co. (Huerfano).....	1,488	2	.....	.....
Shamrock Coal Co. (Weld).....	56,978	75	.....	4
Shea, D. T.....	1,396	3	.....	.....
Sherman, O. E.....	240	2	.....	.....

TABLE NO. 1—Continued

COMPANIES	Total Production	No. of Men Employed	No. of Fatal Accidents	Number of Non-Fatal Accidents
Skeels, Dale.....	129	2	.....	.....
Slagle, E. G.....	350	2	.....	.....
Sodja, Joseph.....	542	2	.....	.....
South Canon Mine Leasing Co.....	14,179	12	.....	1
Sparks, Lee.....	230	2	.....	.....
Spencer, Geo. S.....	110	1	.....	.....
Spring Canon Coal Co.....	292	3	.....	.....
Staples, S. L., & Sons.....	130	1	.....	.....
Starkville Coal Co.....	1,292	3	.....	.....
States-Hall Coal Co.....	2,915	6	.....	.....
Steel, Geo., & Co.....	455	3	.....	.....
Storz, Gus L.....	28	1	.....	.....
Stove Canon Coal Co.....	3,044	5	.....	.....
Strainer Coal Co.....	886	4	.....	4
Strawberry Coal Co.....	1,625	3	.....	.....
Streeman, John.....	6,792	12	.....	2
Sunrise Coal Co.....	371	2	.....	.....
Sunshine Coal Co. (La Plata).....	2,875	3	.....	1
Sunshine Coal Co. (Montrose).....	238	2	.....	.....
Temple Fuel Co.....	70,260	118	.....	11
Tesiter Taylor Coal Co.....	242	2	.....	2
Thomas Coal Co.....	2,341	3	.....	1
Thomas Mining Co.....	8,341	17	.....	3
Thor Fuel Co.....	10,307	18	.....	5
Tipotsch, Frank.....	397	2	.....	.....
Torrid Coal Co.....	10,366	19	.....	11
Towner Bros.....	284	2	.....	.....
Triangle Coal Co.....	454	1	.....	.....
Trinidad Coal & Supply Co.....	448	2	.....	.....
Tri-State Coal Co.....	1,297	4	.....	.....
Tropic Coal Co.....	486	4	.....	.....
Val Coal Mining Co.....	19,323	26	.....	4
Valley View Coal Co.....	2,003	5	.....	.....
Van Winkle Coal Co.....	3,928	3	.....	2
Vickers Coal Co.....	56,152	83	.....	13
Victor-American Fuel Co.....	452,649	806	1	124
Waugh, Wm.....	632	2	.....	.....
Webber, J. E.....	185	1	.....	.....
Webberkirch, Kaspar.....	70	1	.....	.....
West, Eugene.....	461	1	.....	.....
Western Star Coal Co.....	606	1	.....	.....
White, L. R.....	25	1	.....	.....
White Ash Coal Co.....	742	2	.....	.....
White Rose Coal Co.....	339	2	.....	.....
Whitlock, E. E.....	100	1	.....	.....
Whitt, Wade.....	516	2	.....	.....
Wild Cat Leasing Co.....	3,897	9	.....	7
Willden Coal Co.....	1,203	3	.....	.....
Williams Coal Co.....	1,115	3	.....	.....
Williams, John.....	269	1	.....	.....
Wilson & Volshin.....	216	1	.....	.....
Wilton, Wm. G.....	469	1	.....	.....
Winton Coal Co.....	1,404	3	.....	.....
Wisconsin Coal Co.....	250	1	.....	.....
Yingling, Chas.....	493	2	.....	.....
Ziesenias, Henry.....	1,197	2	.....	.....
Zimmerman, E. H.....	242	2	.....	.....
Totals	5,948,661	8,401	26	1,114

On Surface:																	
17. Mine cars and mine locomotives	1	1	6	7	6	12	12	6	2	7	6	11	13	10	13	18	24
18. Electricity	—	—	1	1	—	1	1	2	1	1	—	—	3	1	1	1	1
19. Machinery	1	1	13	16	17	20	6	8	8	9	3	9	22	24	26	23	17
20. Boiler explosions or bursting steam pipes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21. Railway cars and locomotives	—	—	2	2	—	1	1	2	—	—	1	—	4	—	—	2	—
22. Other causes	2	—	1	26	16	21	36	17	30	14	25	29	58	30	46	55	47
Total number injured on the surface	1	4	4	49	41	44	71	39	49	26	43	51	102	68	87	101	95
Grand Total	3	13	8	11	6	9	757	627	617	660	642	467	448	414	296	460	1,238
	1	—	—	—	—	—	—	—	—	—	—	—	—	1,083	1,042	962	1,114

A. PERMANENT TOTAL DISABILITY. Loss of both legs or arms, one leg and one arm, total loss of eyesight, paralysis or other condition permanently incapacitating workman from doing any work of a gainful occupation.

B. PERMANENT PARTIAL DISABILITY. Loss of one foot, leg, hand, eye, one or more fingers, one or more toes, and dislocation where ligaments are severed, or any other injury known in surgery to be permanent partial disability.

C. In this column include only accidents which cause a loss of time more than the balance of the day or shift upon which the accident occurred.

TABLE NO. 3

MINE FATALITIES BY CAUSES, 1931-1935

CAUSES	Years				
	1931	1932	1933	1934	1935
Underground:					
1. Falls of roof (coal, rock, etc.).....	4	8	7	8	10
2. Falls of face or pillar coal.....	5	4	3	5	1
3. Mine cars and locomotives.....	9	9	3	2	3
4. Gas explosives and burning gas....	....	1	....	....	4
5. Coal-dust explosions (including gas and dust combined).....	1	....	....	....	....
6. Explosives .....	....	1	....	....	1
7. Suffocation from mine gases.....	....	2	2	1	....
8. Electricity (shock or burns).....	....	1	2	3	....
9. Animals .....	....	1	....	....	....
10. Mining machines.....	....	....	....	....	1
11. Mine fires (burned, suffocated, etc.)	....	....	....	....	....
12. Other causes.....	....	....	....	1	1
Shaft:					
13. Falling down shafts or slopes.....	....	1	....	....	2
14. Objects falling down shafts or slopes .....	....	....	....	....	....
15. Cages or skips.....	....	....	....	....	....
16. Other causes.....	....	....	....	....	....
Total underground	19	28	17	20	23
Surface:					
17. Mine cars and mine locomotives....	....	....	....	....	1
18. Electricity (shock or burns).....	....	....	....	....	....
19. Machinery	2	....	1	1	....
20. Boiler explosions or bursting steam pipes.....	....	....	....	....	....
21. Railway cars and locomotives.....	....	....	....	....	1
22. Other causes.....	....	1	2	....	1
Total	2	1	3	1	3
Grand total	22	29	20	21	26

TABLE NO. 4

SHOWING BY COUNTIES, MINES OPERATED, NAME OF OPERATOR AND ADDRESS OF MINE, CHARACTER OF COAL, NUMBER OF DAYS WORKED, AVERAGE NUMBER OF MEN EMPLOYED, TOTAL NUMBER OF TONS OF COAL PRODUCED IN 1935, AND CAPACITY OF MINE PER DAY IN TONS.

ARCHULETA COUNTY

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Number of Days Worked	Average No. of Men Employed	Total Number of Tons Produced	Capacity of Mine Per Day, Tons
Cox	T. L. Cox	Pagosa Springs	Sub-bituminous	139	1	272	.....
Gallegos	Dario Gallegos	Pagosa Springs	Sub-bituminous	110	1	250	.....
Bellino	A. Bellino	Pagosa Springs	Sub-bituminous	90	1	150	.....
Nossaman	W. J. Nossaman	Pagosa Springs	Sub-bituminous	75	1	111	.....
McBroom	Chas. McBroom	Dyke	Sub-bituminous	13	1	37	.....
Number	of Mines operated: 5			85.4	5	820	.....

BOULDER COUNTY

Monarch	National Fuel Co.	Broomfield	Sub-bituminous	195.4	136	95,217	700
Hi-Way	Louisville-Lafayette Coal Co.	Broomfield	Sub-bituminous	162	102	94,386	800
Industrial	Rocky Mountain Fuel Co.	Superior	Sub-bituminous	150.7	196	86,478	800
Crown	David Allan	Gorham	Sub-bituminous	261	79	54,851	500
Black Diamond No. 2	Black Diamond Fuel Co.	Lafayette	Sub-bituminous	296	50	49,853	600
Vulcan	Valcuto Mining Co.	Lafayette	Sub-bituminous	229	26	19,323	150
Pluto No. 2	Pluto Coal M. Co.	Superior	Sub-bituminous	250	19	15,684	100
Standard	New Standard Coal M. Co., Inc.	Lafayette	Sub-bituminous	193	28	12,260	.....
Gorham	Domestic Coal Co.	Boulder	Sub-bituminous	182	17	10,691	150
High View	High View Coal Co.	Gorham	Sub-bituminous	250	9	9,341	60
Eldorado	Eldorado Coal Co.	Gorham	Sub-bituminous	224	10	6,301	50
Fox	C. C. Daniels	Gorham	Sub-bituminous	233	11	8,868	60
Fireside	Ko-Z Coal Co.	Louisville	Sub-bituminous	244	10	6,538	.....
Lewis No. 2	N. M. Busheff	Gorham	Sub-bituminous	189	11	5,985	75

BOULDER COUNTY—Continued

Sunrise (New Red Ash).	John D. Matia.	Gorham.	Sub-bituminous.	196	11
Premier.	Premier Coal Co.	Boulder.	Sub-bituminous.	236	6
Northern.	Northern Coal Co.	Gorham.	Sub-bituminous.	181	5
New Ross.	Ross Coal Co.	Gorham.	Sub-bituminous.	280	4
Red Ash No. 2.	Pittsburgh Coal Co.	Gorham.	Sub-bituminous.	199	5
Regal.	Regal Coal Co.	Louisville.	Sub-bituminous.	66	6
Cracker Jack.	Cracker Jack Coal Co.	Boulder.	Sub-bituminous.	151	4
Pine Cliff.	Tri-State Coal Assn.	Boulder.	Sub-bituminous.	252	4
Paramount.	Paramount Coal Co.	Lafayette.	Sub-bituminous.	132	5
Cactus.	Glo Coal Co.	Boulder.	Sub-bituminous.	100	3
Tropic.	Tropic Coal Co.	Boulder.	Sub-bituminous.	91	4
Arrow.	Arrow Coal Co.	Gorham.	Sub-bituminous.	28	10
Coal Creek.	C. C. Daniels.	Gorham.	Sub-bituminous.	30	7
Number	of Mines operated: 27.			193.2	778
					497,786

DELTA COUNTY

King.	Juanita Coal & Coke Co.	Bowie.	Bituminous.	174	39
Green Valley.	Green Valley Coal Co.	Cedaredge.	Sub-bituminous.	280	4
Red Canon.	Red Canon Coal Co.	Cedaredge.	Sub-bituminous.	264	5
Paonia.	Paonia Farmers Coal Co.	Paonia.	Sub-bituminous.	240	3
States.	States Hall Coal Co.	Cedaredge.	Sub-bituminous.	193	3
Red Mountain.	States Hall Coal Co.	Cedaredge.	Sub-bituminous.	186	3
Winton.	Winton Coal Co.	Austin.	Sub-bituminous.	217	3
Independent.	Independent Coal Co.	Cedaredge.	Sub-bituminous.	169	3
Western Star.	Western Star Coal Co.	Cedaredge.	Sub-bituminous.	147	1
Bennett.	Bennett Coal Co.	Hotchkiss.	Sub-bituminous.	111	1
Black Diamond.	Black Diamond Coal Co.	Cedaredge.	Sub-bituminous.	122.8	2
Himes (Pencock).	A. H. Himes.	Austin.	Sub-bituminous.	90	2
Burdick.	O. C. Sherman.	Hotchkiss.	Sub-bituminous.	60	2
Girling.	Louis Owens.	Lazar.	Sub-bituminous.	95	2
Converse.	Frank Pottoff.	Paonia.	Sub-bituminous.	90	1
Rollins.	Rollins.	Delta.	Sub-bituminous.	96	1
Gelwick.	O. M. Cordray.	Paonia.	Sub-bituminous.	20	1
Number	of Mines operated: 17.			205.1	76
					53,449

TABLE NO. 4—Continued .

ELBERT COUNTY

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Number of Days Worked	Average No. of Men Employed	Total Number of Tons Produced	Capacity of Mine Per Day, Tons
Barker.....	R. B. Barker.....	Matheson.....	Sub-bituminous.....	216	4	3,346	.....
Shay.....	J. O. Shay.....	Matheson.....	Sub-bituminous.....	239	3	1,396	.....
Beaver Valley.....	J. M. Dalrymple.....	Matheson.....	Sub-bituminous.....	150	2	972	8
Cox.....	Cox Coal Co.....	Buick.....	Sub-bituminous.....	150	2	480	10
Jordan.....	Guy Jordan.....	Agate.....	Sub-bituminous.....	164	2	475	.....
Buick.....	C. W. Ayers.....	Buick.....	Sub-bituminous.....	200	3	363	.....
Fondis.....	H. G. Battala.....	Fondis.....	Sub-bituminous.....	164	2	297	25
Number	of Mines operated: 7			190.6	18	7,329	

EL PASO COUNTY

Pikeview.....	Pikes Peak Fuel Co.....	Pikeview.....	Sub-bituminous.....	202	176	201,916	1,000
City Coal Mine.....	Colorado Springs Co.....	Colorado Springs.....	Sub-bituminous.....	276	70	39,142	400
Altitude.....	Altitude Fuel Co.....	Colorado Springs.....	Sub-bituminous.....	304	26	15,877	.....
Corley No. 3.....	Corley Coal Co.....	Colorado Springs.....	Sub-bituminous.....	301	24	14,445	200
Jimmy Camp.....	Thomas Mining Co.....	Colorado Springs.....	Sub-bituminous.....	200	17	8,341	100
New Keystone.....	John Strenan.....	Colorado Springs.....	Sub-bituminous.....	240	12	6,792	28
Busy Bee.....	Busy Bee Coal Co.....	Colorado Springs.....	Sub-bituminous.....	303	9	5,570	100
Climax.....	Danville Coal Co.....	Colorado Springs.....	Sub-bituminous.....	222	2	1,632	7
Drennan.....	Drennan Coal Co.....	Colorado Springs.....	Sub-bituminous.....	71	2	491	4
Rush.....	Guy McPherson.....	Rush.....	Sub-bituminous.....	95	3	424	.....
Number	of Mines operated: 10			234.2	341	294,630	

FREMONT COUNTY

Chandler	Victor-American Fuel Co.	Chandler	Bituminous	149.7	294	112,366	900
Rockvale No. 3	Colorado Fuel & Iron Co.	Canon City	Bituminous	289.8	70	61,472	400
Canon Black Diamond	Canon Black Diamond Coal Co.	Florence	Bituminous	302	42	34,755	42
Cedar Canon	Giuliano & Carpine	Florence	Bituminous	147	52	30,042	210
Double Dick	Double Dick Coal Co.	Florence	Bituminous	266	34	25,136
Canon Monarch	Canon Monarch Coal Co.	Florence	Bituminous	241	38	24,385
Nushaft	E. B. Cribb	Coal Creek	Bituminous	202	26	20,162	140
Caldriola	Caldriola Coal Co.	Florence	Semi-bituminous	181	28	17,034	100
American Independent	American Independent Coal Co.	Florence	Semi-bituminous	260	27	12,826	60
Bluff Springs	Bluff Springs Leasing Co.	Florence	Bituminous	209	24	10,415
Royal Gorge	Royal Gorge Coal Co.	Canon City	Bituminous	120	21	8,098	125
Griffiths	Griffiths Coal Co.	Canon City	Bituminous	221	13	7,484	75
Brookside	Brookside Coal M. Co.	Florence	Semi-bituminous	185	13	6,353	45
Mt. View (Rochio)	Rochio Coal Co.	Florence	Bituminous	201	10	6,241	80
Brook Canon	Brook Canon Coal Co.	Canon City	Bituminous	190	12	5,753	50
Canon Red Arrow	Canon Red Arrow Coal Co.	Florence	Bituminous	218	10	5,774	50
Canon Zenith	Canon Zenith Coal Co.	Canon City	Semi-Bituminous	211	7	3,947	21
Little Johnny	Little Johnny Coal Co.	Canon City	Semi-Bituminous	252	7	3,693
Fawn Hollow	Fawn Hollow Coal Co.	Canon City	Bituminous	160	10	3,461	20
Manley	Manley Coal Co.	Canon City	Bituminous	108	8	3,289	50
Bald	J. Bald & Co.	Florence	Bituminous	240	10	3,223	50
Boulder Canon	Boulder Canon Coal Co.	Florence	Bituminous	201	5	1,958	10
Canon Black Hawk	Canon Black Hawk Coal Co.	Canon City	Semi-bituminous	84	6	1,891	20
Florence	Florence Coal Co.	Rockvale	Semi-bituminous	239	3	1,624	7
Newlan Creek	Perino Coal Co.	Florence	Semi-bituminous	214	3	1,517
Peacock	Canon Peacock Coal Co.	Florence	Bituminous	167	4	1,514
Canon Ideal	Canon Ideal Coal Co.	Coal Creek	Bituminous	203	2	1,441
Petry	Sam Petry	Florence	Semi-bituminous	180	4	1,104	10
Canon Liberty (Stratner)	Anton Stratner	Canon City	Semi-bituminous	83	4	886
Eagle	Eagle Coal Co.	Florence	Semi-bituminous	200	3	800
Willie No. 2	James Bros.	Florence	Semi-bituminous	165	2	463	2
Willie No. 3	Paul Crestia	Florence	Semi-bituminous	160	1	475	4
Bassick No. 2	L. W. Cragger	Rockvale	Semi-bituminous	90	2	350
Di Giacomo	Pasquale Di Giacomo	Rockvale	Semi-bituminous	280	2	345	5
Rockdale	Rockdale Canon Coal Co.	Canon City	Semi-bituminous	90	2	325
Cuckoo No. 1	Florence Canon Coal Co.	Florence	Semi-bituminous	87	4	313	4
Canon Imperial No. 3	Canon Imperial Coal Co.	Florence	Semi-bituminous	100	3	239	8
Number	of Mines operated: 37			202.1	806	421,164	

TABLE NO. 4—Continued
GARFIELD COUNTY

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Number of Days Worked	Average No. of Men Employed	Total Number of Tons Produced	Capacity of Mine Per Day, Tons
South Canon	South Canon Mine Leasing Co.	Glenwood Springs	Bituminous	296	12	14,179	150
New Castle	W. G. McDonald	New Castle	Bituminous	177	8	9,886	200
Carbonera	Gilson Asphaltum Co.	Carbonera via Mack	Bituminous	182	9	6,888	60
Diamond	Diamond Fuel Co.	Glenwood Springs	Bituminous	153	4	1,406	10
Harvey Gap	James LeDonne	Silt	Bituminous	211	3	1,382	5
Ziesenis	Henry Ziesenis	Rifle	Bituminous	175	2	1,197	.....
Estes	Estes Bros.	Rifle	Bituminous	200	2	1,178	.....
Silt (Llewellyn)	Llewellyn Coal Co.	Silt	Bituminous	159	2	1,061	.....
Ohkraut	Frank De Boy	Glenwood Springs	Bituminous	117	1	319	.....
Rauman	Rauman Coal Co.	Rifle	Bituminous	137	2	314	.....
Rodrick	Geo. P. Rodrick	New Castle	Bituminous	53	1	129	.....
Number of Mines operated: 11				177	46	37,939	.....

GUNNISON COUNTY							
Crested Butte	Colorado Fuel & Iron Co.	Crested Butte	Bituminous	160.8	215	178,167	1,200
Somerset	Calumet Fuel Co.	Somerset	Bituminous	178.5	132	158,929	1,200
Oliver	Oliver Coal Co.	Somerset	Semi-bituminous	192.5	67	64,187	500
Alpine	Rocky Mountain Fuel Co.	Baldwin	Semi-bituminous	118	61	37,619	350
Kubler	Rocky Mountain Fuel Co.	Baldwin	Semi-bituminous	94	5	968	25
Bulkeley No. 2	Crested Butte Coal Co.	Crested Butte	Bituminous	193	37	30,415	200
Bear	Bear Coal & Coke Co.	Somerset	Bituminous	164	12	9,863	.....
Hawks Nest	Hawks Nest Coal Co.	Somerset	Bituminous	231	5	3,807	10
Richardson	Mt. Carbon Anthracite Co.	Gunnison	Anthracite	184	6	2,251	50
Horace	Horace Anthracite Co.	Crested Butte	Anthracite	34	23	1,513	42

GUNNISON COUNTY—Continued

Ohio Creek.....	Ohio Creek Coal Co.....	Gunnison.....	Bituminous.....	169	2	1,236
Carbon Creek.....	Wm. Waugh.....	Gunnison.....	Bituminous.....	199.2	2	632
Lone Pine (Edward).....	Lone Pine Coal Co.....	Somersel.....	Bituminous.....	108	2	980
Hinkle.....	Wade Whit.....	Gunnison.....	Bituminous.....	114	2	516
Star.....	Baldwin Fuel Co.....	Baldwin.....	Semi-bituminous.....	71	1	439
Castle Rock.....	Towner Bros.....	Gunnison.....	Bituminous.....	47	2	284
K. D.....	S. L. Staples & Sons.....	Gunnison.....	Bituminous.....	90	1	130
Number.....	of Mines operated: 17			160.2	575	491,926

HUERFANO COUNTY

Robinson No. 4.....	Colorado Fuel & Iron Co.....	Farr.....	Bituminous.....	206.4	224	192,855	1,000
Keble No. 2.....	Colorado Fuel & Iron Co.....	Tioga.....	Bituminous.....	182.4	148	110,192	850
Calumet No. 2.....	Calumet Fuel Co.....	Delcarbon.....	Bituminous.....	166.4	98	77,389	600
Alamo No. 1.....	Alamo Coal Co.....	Alamo.....	Bituminous.....	169	121	54,919	1,000
Alamo No. 2.....	Barbour Coal Co.....	Alamo.....	Bituminous.....	15	125	7,301	800
Pryor.....	Pryor Coal M. Co.....	Pryor.....	Bituminous.....	187.2	85	56,566	500
Gordon.....	Gordon Coal Co.....	Gordon.....	Bituminous.....	160	70	47,018	400
Ravenwood.....	Caliente Coal Co.....	Ravenwood.....	Bituminous.....	112	72	30,877	300
Maitland.....	Caliente Coal Co.....	Ravenwood.....	Bituminous.....	88	48	11,482	200
Toltec.....	Aztec Coal M. Co.....	Toltec.....	Bituminous.....	118	40	13,617	150
Ojo Canon.....	Peachey Coal Co.....	La Veta.....	Bituminous.....	163	27	12,256	100
Niggerhead.....	Peachey Coal Co.....	La Veta.....	Bituminous.....	80	2	339	15
C. O. D. No. 2.....	Peachey Coal Co.....	La Veta.....	Bituminous.....	77	3	284	
Pitch Vein.....	Peachey Coal Co.....	La Veta.....	Bituminous.....	58	2	150	5
Vesta.....	Minnequa Fuel Co.....	Walsenburg.....	Bituminous.....	109	21	11,987	150
Torrid No. 3.....	Torrid Coal M. Co.....	Agular.....	Bituminous.....	196	19	10,366	75
Spanish Peak No. 2.....	W. A. Ream Coal Co.....	Tioga.....	Bituminous.....	61	45	10,003	250
Leader No. 2.....	Red Ash Coal Co.....	Walsenburg.....	Bituminous.....	201	17	7,800	37
Black Hawk.....	Black Hawk Coal M. Co.....	Walsenburg.....	Bituminous.....	156	12	6,162	60
Major.....	Major Coal Co.....	Walsenburg.....	Bituminous.....	166	14	5,445	60
Strawberry.....	Strawberry Coal Co.....	Walsenburg.....	Bituminous.....	200	3	1,625	8
Shamrock.....	Shamrock Coal Co.....	Tioga.....	Bituminous.....	208	2	1,488	

TABLE NO. 4—Continued
HUERFANO COUNTY—Continued

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Number of Days Worked	Average No. of Men Employed	Total Number of Tons Produced	Capacity of Mine Per Day, Tons
Round Oak.....	Glordano Coal Co.....	Walsenburg...	Bituminous.....	163	5	1,445	.....
Caddell No. 3.....	Caddell Coal Co.....	Walsenburg...	Bituminous.....	164	6	1,398	12
George No. 2.....	Sam George & Sons.....	La Veta.....	Bituminous.....	227	3	1,097	10
Nugget.....	Joe Maloney.....	Rugby.....	Bituminous.....	122	8	981	20
Bunker Hill No. 1.....	Steve Mattivi & Son.....	Rugby.....	Bituminous.....	46	2	390	8
Bunker Hill No. 2.....	Bunker Hill Coal Co.....	Agular.....	Bituminous.....	200	2	801	12
C. O. D. faultless No. 1.....	Sam Balarde.....	La Veta.....	Bituminous.....	82	3	437	3
Spring Canon.....	Spring Canon Coal Co.....	Walsenburg...	Bituminous.....	88	3	292	.....
Blue Bird.....	Tessiter & Taylor.....	Walsenburg...	Bituminous.....	110	2	242	.....
Murrell.....	James Murrell.....	La Veta.....	Bituminous.....	55	2	214	1
Brown.....	Brown Bros.....	La Veta.....	Bituminous.....	30	1	165	.....
Black Hills.....	Black Hills Coal Co.....	Alamo.....	Bituminous.....	4	3	34	.....
Number	of Mines operated: 34			148 +	1,238	677,417	

JACKSON COUNTY

Moore.....	North Park Coal Co.....	Coalmont.....	Sub-bituminous.....	182.5	24	21,320	200
Marr.....	Geo. M. Barnell.....	Walden.....	Sub-bituminous.....	235	3	2,699	30
Number	of Mines operated: 2			195.7	27	24,019	

JEFFERSON COUNTY

Number	Leyden Lignite Co. Caprock Fuel Co. Jefferson Coal Co. Van Winkle Coal Co. Wild Cat Leasing Co. Golden Coal Mines, Inc. of Mines operated: 6	Leyden via Golden Walsenburg Littleton Golden Littleton Denver	Sub-bituminous Sub-bituminous Sub-bituminous Sub-bituminous Sub-bituminous Sub-bituminous	198 225 311 312 290 251	110 9 10 3 9 3	113,652 7,705 6,813 3,928 3,897 327	750 150 25
				214.7	141	136,322	

LA PLATA COUNTY

Number	Castle Coal & Mining Corp. O. K. Coal Co. Sunshine Coal Co. Morning Star Coal Co. Valley View Coal Co. Durango Coal Co. Black Diamond Coal Co. J. C. Hicks Leonard Brown Peerless Coal Co. H. J. Rasmussen Hesperus Coal Co. J. B. Henderson James A. Berce Chas. Yingling Triangle Coal Co. Frank Tipotsch Xavier Dufur Cesare Boglino Chas. Batchelor Pine River Coal Co. Wood & Wood of Mines operated: 22	Durango Durango Durango Durango Mancos Durango Durango Durango Durango Hesperus Durango Hesperus Bayfield Durango Durango Durango Hesperus Durango Kline Durango Bayfield Durango Kline Bayfield Kline	Bituminous Bituminous	293 179 213 163 269 191 125 248.6 222.5 131 199 159 173 148 140 111 79 129 114 70 53 90 174.9	11 8 3 4 5 4 4 3 2 2 3 3 4 2 2 1 2 2 2 2 2 1 3 73	8,111 3,149 2,875 2,367 2,003 1,701 1,500 1,474 1,413 1,321 1,267 789 689 526 193 454 397 287 172 136 114 86 31,624	150 50 15 10 11 18 5 5 20 15 10 8
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TABLE NO. 4—Continued

LARIMER COUNTY

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Number of Days Worked	Average No. of Men Employed	Total Number of Tons Produced	Capacity of Mine Per Day, Tons
Hackman No. 1	Hackman Coal Co.	Carr	Sub-bituminous	213	3	1,989	20
Benson	Lowie Coal Co.	Carr	Sub-bituminous	134	4	845	.....
White Rose	White Rose Coal Co.	Carr	Sub-bituminous	100	2	339	3
Bachy	Bachy Coal Co.	Carr	Sub-bituminous	90	2	250	.....
Pioneer	Walter Overcamp	Carr	Sub-bituminous	90	2	173	2
Number	of Mines operated: 5			133.3	13	3,596	

LAS ANIMAS COUNTY

Frederick	Colorado Fuel & Iron Co.	Valdez	Bituminous	205	298	292,368	1,800
Morley	Colorado Fuel & Iron Co.	Morley	Bituminous	93	165	82,924	1,900
Delagua	Victor-American Fuel Co.	Delagua	Bituminous	136.7	301	177,380	1,800
Boncarbo	American Smelting & Ref. Co.	Cokedale	Bituminous	99	132	98,860	1,900
Brodhead No. 9	Temple Fuel Co.	Brodhead	Bituminous	217	118	70,260	450
Kenneth	Vickers Coal Co.	Rugby	Bituminous	162	88	56,152	500
Ludlow	Huerfano Coal Co.	Ludlow	Bituminous	128	104	49,295	600
Creston	Jewell Collieries Corp.	Aguilar	Bituminous	144	57	31,881	250
Dix	Dick Coal Co.	Boncarbo	Bituminous	96	28	15,613	175
Rapson	Pio Michel	Rugby	Bituminous	190	20	11,270	300
Bear Canon No. 6	Bear Canon Coal Co.	Vallorso	Bituminous	73	33	11,572	500
Thor	Thor Fuel Co.	Trinidad	Bituminous	153	18	10,307	150
Sopris No. 1	Deldosso Coal Co.	Trinidad	Bituminous	125	19	8,266	68
Engle	Deldosso Coal Co.	Trinidad	Bituminous	121.2	5	2,366	26
Baldy	Baldy Coal Co.	Trinidad	Bituminous	256	7	5,451	45
Anchor (Eureka)	W. A. Ream Coal Co.	Boncarbo	Bituminous	42	36	4,835	150
Bowen	Home Fuel & Supply Co.	Trinidad	Bituminous	179	4	2,900	.....

LAS ANIMAS COUNTY—Continued

Gem	Gem Coal Co.	Agular	Bituminous	194	6	2,998	50
Jeffres	Jeffres Fuel Co.	Trinidad	Bituminous	171	3	2,436	50
Lakeview	Nick Riggo.	Trinidad	Bituminous	245	3	2,385	50
Frisco	Frisco Coal Co.	Trinidad	Bituminous	177	5	2,032	10
Midnight	Midnight Coal Co.	Wausenburg	Bituminous	170	4	1,594	10
Empire	Empire Coal M. Co.	Agular	Bituminous	37	55	1,378	.....
Niggerhead	Niggerhead Mining Co.	Agular	Bituminous	21	13	1,236	.....
Daisy	Daisy Coal Co.	Agular	Bituminous	169	3	1,226	.....
Starkville	Starkville Coal Co.	Trinidad	Bituminous	72	3	1,292	10
Morasky	Joe Morasky	Trinidad	Bituminous	154.5	4	1,184	.....
Sanchez	Sanchez Coal Co.	Boncarbo	Bituminous	150	2	1,134	4
Liberty	Liberty Coal Co.	Agular	Bituminous	130	2	936	7
Santa Fe	Santa Fe Coal Co.	Trinidad	Bituminous	72	2	703	10
Maritano	Maritano & Sons	Sopris	Bituminous	115.3	2	607	.....
Flag	Joe Rogerio.	Trinidad	Bituminous	165	2	483	.....
Garcia	Benito Garcia	Boncarbo	Bituminous	200	1	478	3
Beshoar	W. G. Wilton	Trinidad	Bituminous	200	1	469	5
Star	Eugene West	Rugby	Bituminous	80	1	461	.....
Bloom	Trinidad Supply Coal Co.	Trinidad	Bituminous	121	2	448	.....
Crystal	Guillermo Bowman	Jansen	Bituminous	192	2	433	.....
Rainbow	Rainbow Coal Co.	Trinidad	Bituminous	95	2	485	6
Forbes No. 9	W. E. Riggs	Trinidad	Bituminous	100	3	424	.....
Forbes No. 10	W. E. Riggs	Trinidad	Bituminous	149	2	434	10
Sunrise	A. D. Tucker	Trinidad	Bituminous	144	2	371	.....
Verdun	John Kezell & Son	Trinidad	Bituminous	81	2	362	.....
Fishers Peak	Fisher Peak Coal Co.	Trinidad	Bituminous	165	1	382	.....
Pickford	M. Boaglio	Trinidad	Bituminous	110	2	276	10
Stonewall Valley	Arrowhead Coal Co.	Western	Bituminous	50	1	93	93
Bueno	J. Y. Bueno	Trinidad	Bituminous	54	2	70	.....
Storz	Gus L. Storz	Weston	Bituminous	19	1	28	2
Number	of Mines operated: 47			137.9	1,567	958,538	

TABLE NO. 4—Continued

MESA COUNTY

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Number of Days Worked	Average No. of Men Employed	Total Number of Tons Produced	Capacity of Mine Per Day, Tons
Cameo.....	Kerr Coal Co.	Cameo.....	Bituminous	200	34	23,907	600
Mt. Garfield.....	Ballard Gearhart.....	Palisade.....	Bituminous	297	7	6,458	75
Garfield.....	Garfield Coal Co.	Palisade.....	Bituminous	150	8	5,198	100
Palisade.....	Palisade Clean Heat Coal Co.	Palisade.....	Bituminous	163	11	4,384	100
Blue Flame.....	Martin Coal Co.	Palisade.....	Bituminous	244	7	4,287	40
Winger.....	Clarke Coal Co.	Palisade.....	Bituminous	148	3	3,385	60
Stove-Canon.....	Stove Canon Coal Co.	Fruita.....	Bituminous	176	5	3,044	50
McGinley.....	Ernest Hicks.....	Grand Junction.....	Bituminous	259	3	2,916	25
River View.....	River View Coal Co.	Cameo.....	Bituminous	257	2	2,580	10
Thomas.....	Thomas Coal Co.	Grand Junction.....	Bituminous	188	3	2,341	20
Hidden Treasure.....	Martin Korac.....	Fruita.....	Bituminous	158	3	1,909	25
Midwest.....	Midwest Red Arrow Coal Co.	Palisade.....	Bituminous	169	2	1,915	.....
Riverside.....	Riverside Coal Co.	Palisade.....	Bituminous	146	5	1,505	30
Stokes.....	M. M. Hasty.....	Palisade.....	Bituminous	135.5	4	1,492	20
Farmers No. 1.....	Farmers Mutual Coal Co.	Grand Junction.....	Bituminous	244	2	1,428	20
Williams.....	Williams Coal Co.	Grand Junction.....	Bituminous	149	3	1,115	.....
Nearing.....	Mesa County Coal Co.	Fruita.....	Bituminous	226	2	979	15
Mundell.....	J. W. Mundell & Son.....	Grand Junction.....	Bituminous	192	2	942	.....
Hunter.....	Vincent Frodsham.....	Fruita.....	Bituminous	120	1	866	8
Peacock.....	Joseph Sodja.....	Grand Junction.....	Bituminous	120	2	542	3
Garvy.....	Geo. T. Pickens.....	Fruita.....	Bituminous	200	2	385	8
Anchor.....	R. B. Dent.....	Grand Junction.....	Bituminous	87	2	384	.....
Coal Gulch.....	Coal Gulch Coal Co.	Loma.....	Bituminous	120	3	352	.....
Bunniger.....	Co-operated Coal Ass'n	Fruita.....	Bituminous	60	2	215	.....
Martinelli.....	Mike Martinelli.....	Fruita.....	Bituminous	55	2	147	3
Jarvis.....	Clarence Allen.....	Grand Junction.....	Bituminous	35	1	135	.....
Monger.....	Dale Skeels.....	Fruita.....	Bituminous	70	2	129	18
Forest Service.....	Kannah Creek Coal Ass'n	Whitewater.....	Bituminous	21	2	75	20
Number	of Mines operated: 28			175.6	125	73,015	

MOFFAT COUNTY

Knez.....	Knez Coal Co.....	Craig.....	Bituminous.....	260	3	2,541	.....
Shaver.....	Phelan & Shaver.....	Axial.....	Bituminous.....	245	2	1,669	25
Black Giant (Pattison).....	Lee H. Pattison.....	Axial.....	Bituminous.....	170	2	1,330	3
Community.....	Community Coal Co.....	Craig.....	Bituminous.....	150	1	396	15
Wisconsin.....	Wisconsin Coal Co.....	Lay.....	Bituminous.....	98	1	250	6
Baker.....	Lee Sparks.....	Craig.....	Bituminous.....	110	2	230	.....
Walker.....	Wilson & Volshin.....	Craig.....	Bituminous.....	40	1	216	.....
Castor Gulch.....	E. E. Whitlock.....	Hamilton.....	Bituminous.....	60	1	100	.....
Fields.....	L. A. Fields.....	Craig.....	Bituminous.....	21	1	55	5
White.....	L. R. White.....	Craig.....	Bituminous.....	5	1	25	4
Number.....	of Mines operated: 10			146.9	15	6,812	

MONTEZUMA COUNTY

Mancos.....	Mancos Coal Co.....	Mancos.....	Bituminous.....	197	6	2,014	40
Mesa Verde.....	Ernest B. Black.....	Cortez.....	Bituminous.....	174	4	1,335	15
Willden.....	Willden Coal Co.....	Mancos.....	Bituminous.....	157	3	1,203	.....
Hill Top.....	Hill Top Coal Co.....	Mancos.....	Bituminous.....	153	4	1,077	.....
Dolores.....	Dominik Gorbella.....	Dolores.....	Bituminous.....	201	2	844	3
Cortez.....	A. F. Hopper.....	Cortez.....	Bituminous.....	121	3	630	15
Pinos Altos.....	H. A. Ainsworth.....	Mancos.....	Bituminous.....	95	2	169	.....
Spencer.....	Geo. S. Spencer.....	Mancos.....	Bituminous.....	45	1	110	.....
Sunnyside.....	Geo. A. Greenwood.....	Lebanon.....	Bituminous.....	71	1	54	.....
Number.....	of Mines operated: 9			155.8	26	7,436	

MONTROSE COUNTY

Liberty Bell.....	King & Mitchell.....	Nuclea.....	Bituminous.....	279	2	1,639	.....
Rice.....	Arthur Rice.....	Redvale.....	Bituminous.....	202	2	417	.....
Sunshine.....	Sunshine Coal Co.....	Nuclea.....	Bituminous.....	79	2	238	.....
Independence.....	Wm. J. Oberling.....	Nuclea.....	Bituminous.....	50	2	182	.....
Ute.....	Michael Babej.....	Montrose.....	Bituminous.....	40	1	48	2
Number.....	of Mines operated: 5			140	9	2,524	

TABLE NO. 4—Continued

OURAY COUNTY

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Number of Days Worked	Average No. of Men Employed	Total Number of Tons Produced	Capacity of Mine Per Day, Tons
Kennedy.....	S. J. Beasley.....	Ridgway.....	Bituminous.....	100	1	462	.....
Bright Diamonds.....	E. Slagle.....	Ridgway.....	Bituminous.....	90	2	350	.....
Burro Creek.....	Claude Johnson.....	Montrose.....	Bituminous.....	75	1	100	.....
Columbine.....	Lowery & Spence.....	Ridgway.....	Bituminous.....	75	1	100	.....
Number of Mines operated: 4				86	5	1,012	.....

PITKIN COUNTY

Placita.....	Placita Coal Mining Co.....	Carbondale.....	Bituminous.....	201	3	1,373	.....
Number of Mines operated: 1				201	3	1,373	.....

RIO BLANCO COUNTY

New Pollard.....	C. F. Pollard.....	Meeker.....	Bituminous.....	278	3	2,476	25
Pollard.....	Electric Coal Co.....	Meeker.....	Bituminous.....	186	2	1,228	25
Reinhardt.....	R. C. Reinhardt.....	Meeker.....	Bituminous.....	230	2	1,168	6
Johnny Boy.....	G. G. Hart & Son.....	Meeker.....	Bituminous.....	122	2	715	10
Nine Mile.....	Thomas D. Foreman.....	Meeker.....	Bituminous.....	238	2	646	20
Rio Blanco.....	Ivor Adair.....	Rio Blanco.....	Bituminous.....	110	2	310	.....
Ruckman.....	John Williams.....	Meeker.....	Bituminous.....	82	1	269	.....

RIO BLANCO COUNTY—Continued

	Number	I. F. Reinan Rosa Rector Jones & Trachita Milo Coats	Meeker Meeker Rangely Meeker	Bituminous Bituminous Bituminous Bituminous	125 54 30 60	1 1 1 1	215 111 51 30
		of Mines operated: 11			168.5	18	7,219

ROUTT COUNTY

Harris No. 1	Colorado & Utah Coal Co.	Mt. Harris	Bituminous	118.6	149	168,982	2,000
Moffat Nos. 1 and 2	Moffat Coal Co.	Oak Creek	Bituminous	172	226	159,026	4,000
Hayden No. 3	Hayden Coal Co.	Haybro	Bituminous	95.4	161	139,372	1,500
Pinnacle	Victor-American Fuel Co.	Oak Creek	Bituminous	164.2	150	120,474	1,500
Wadge	Victor-American Fuel Co.	Mt. Harris	Bituminous	80.1	61	42,429	1,000
Bear River	Bear River Coal Co.	Bear River	Bituminous	151	81	71,471	1,000
Keystone	Keystone Coal Co.	Routt	Bituminous	140.2	103	67,099	1,000
Butcher Knife	Frank Coryell	Bear River	Bituminous	276	9	8,525	35
McNeil	W. N. Neish	McGregor	Bituminous	262	6	8,188	70
Argo Gulch	Geo. T. Rolfe	Oak Creek	Bituminous	184	8	7,200	50
Seven Points	ROUTT County Mining Co.	Phippsburg	Bituminous	110	4	2,496	50
Babson	Babson Coal Co.	Hayden	Bituminous	148	3	1,393	20
Black Cat	Black Cat Coal Co.	Bear River	Bituminous	171	2	1,014	15
Hayden Valley	Hayden Valley Mutual Coal Co.	Hayden	Bituminous	154	2	1,009	
Blue Spruce	W. L. Jones	Oak Creek	Bituminous	200	3	943	
Little Pinnacle (Kitching)	John Kitching	Bear River	Bituminous	64	2	568	9
Morgan	John Pollo, Jr.	Steamboat Springs	Bituminous	111	1	550	15
Apex	Geo. Steel	Oak Creek	Bituminous	110	3	455	7
Premium	Pruth & Michelletti	Milner	Bituminous	66	2	357	50
Edna	Chris Pasch	Oak Creek	Bituminous	57	2	256	10
Block	E. H. Zimmerman	Steamboat Springs	Bituminous	23	2	242	
Jones	R. C. Jones Coal Co.	Bear River	Bituminous	30	3	208	
Deep Creek	Deep Creek Coal Co.	Deep Creek	Bituminous	60	2	200	
Webber	J. E. Webber	Pagoda	Bituminous	48	1	185	
Fish Creek	K. Webberkitch	Hayden	Bituminous	15	1	70	
Chergo	Tom Chergo	Oak Creek	Bituminous	3	1	20	10
Number	of Mines operated: 26			135.2	988	802,762	

TABLE NO. 4—Continued
SAN MIGUEL COUNTY

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Number of Days Worked	Average No. of Men Employed	Total Number of Tons Produced	Capacity of Mine Per Day, Tons
Keck	Keck Coal Co.	Norwood	Bituminous	100	6	732	10
Gray	L. J. Gray	Norwood	Bituminous	150	1	274	
Elder	Gene Elder	Norwood	Bituminous	70	2	182	10
O. K.	W. H. Knowlton	Norwood	Bituminous	150	1	233	
Number of Mines operated: 4				104	10	1,421	

WELD COUNTY							
Columbine	Rocky Mountain Fuel Co.	Serene	Sub-bituminous	171.7	265	260,960	1,800
Grant	Rocky Mountain Fuel Co.	Frederick	Sub-bituminous	151	123	99,378	1,000
Boulder Valley	Boulder Valley Coal Co.	Erie	Sub-bituminous	144.5	134	203,323	2,000
Imperial	Imperial Coal Co.	Erie	Sub-bituminous	202	135	157,939	1,200
Puritan	National Fuel Co.	Erie	Sub-bituminous	141.6	144	141,054	1,300
Clayton	Clayton Coal Co.	Erie	Sub-bituminous	180	133	129,287	1,000
Morrison	Clayton Coal Co.	Erie	Sub-bituminous	96	131	83,438	2,000
Baum	Consolidated Coal & Coke Co.	Dacono	Sub-bituminous	198.9	118	100,408	800
Sterling	McNeil Coal Corp.	Dacono	Sub-bituminous	154	84	79,515	1,000
Russell	W. E. Russell Coal Co.	Frederick	Sub-bituminous	165	61	66,807	600
Shamrock	Shamrock Coal Co.	Erie	Sub-bituminous	71.5	75	56,978	600
Evans (Liley)	Evans Coal M. Co.	Frederick	Sub-bituminous	145	35	14,690	
Bohlender	Bohlender Coal Co.	La Salle	Sub-bituminous	217	6	3,349	20
La Salle	La Salle Coal Co.	La Salle	Sub-bituminous	266.5	6	2,648	25
Monroe	J. J. Flynn, Trustee	Lafayette	Sub-bituminous	74	15	2,216	
Buddy	Buddy Coal Co.	La Salle	Sub-bituminous	200	3	1,911	
Witheebee (Silver State)	R. E. Combs	Ft. Lupton	Sub-bituminous	180	6	1,781	15

WELD COUNTY—Continued

Graden.....	Graham & McFadden.....	Longmont.....	Sub-bituminous.....	75	7	1,273	40
White Ash.....	White Ash Coal Co.....	Lea Salle.....	Sub-bituminous.....	151	2	742	.....
Keota.....	Keota Coal Co.....	Keota.....	Sub-bituminous.....	120	5	370	.....
Comel.....	Bracken & Mathews.....	Galeton.....	Sub-bituminous.....	44	3	244	4
Galeton.....	Galeton Coal Co.....	Galeton.....	Sub-bituminous.....	30	4	217	.....
Number.....	of Mines operated: 22.....			155.6	1,495	1,408,528	.....

STATE OF COLORADO

GRAND TOTAL—

Number of Mines Operated.....	367
Number of Man-Days Worked.....	168,3
Average Number of Men Employed in or About Mines.....	8,401
Total Tons of Coal Produced.....	5,948,661

PRODUCTION BY COUNTIES BY MONTHS—1935

Month	Arch- uleta	Boulder	Delta	Elbert	El Paso	Fremont	Garfield
January	----	63,688	5,593	606	36,662	52,195	3,670
February	----	52,583	4,563	409	31,754	35,774	3,044
March	----	42,722	3,623	404	27,864	32,311	2,986
April	----	32,980	2,690	287	25,787	18,549	2,491
May	----	32,704	2,952	174	22,194	22,864	2,708
June	----	17,794	482	635	12,281	14,720	1,828
July	----	13,657	2,355	57	11,655	11,203	1,092
August	----	19,307	2,521	70	12,664	23,616	1,627
September	----	34,826	4,912	314	21,152	35,303	3,274
October	----	65,572	7,776	763	26,544	63,394	4,251
November	----	59,165	8,385	977	30,636	55,177	4,632
December	820	62,788	7,597	2,633	35,437	56,058	6,336
Total	820	497,786	53,449	7,329	294,630	421,164	37,939

Month	Gunnison	Huerfano	Jackson	Jefferson	La Plata	Larimer
January	47,161	66,789	2,747	14,382	3,587	508
February	34,736	41,412	2,040	12,468	2,066	399
March	29,157	58,480	1,619	11,894	1,984	338
April	26,257	36,876	2,132	10,001	1,762	232
May	19,227	38,703	2,267	11,023	1,855	67
June	31,100	50,327	616	11,314	1,291	10
July	45,222	45,316	499	7,744	1,230	----
August	40,875	50,212	904	8,161	1,350	----
September	41,921	49,216	2,346	9,921	2,424	213
October	66,950	87,158	2,899	13,166	3,696	244
November	64,742	81,763	3,262	12,039	4,423	362
December	44,578	71,165	2,688	14,209	5,956	1,223
Total	491,926	677,417	24,019	136,322	31,624	3,596

Month	Las Animas	Mesa	Moffat	Monte- zuma	Mont- rose	Ouray
January	85,143	8,222	406	926	320	----
February	71,720	5,844	232	558	118	----
March	88,057	5,633	277	578	423	----
April	45,685	4,150	231	448	128	----
May	66,803	3,048	311	348	84	----
June	74,447	3,434	238	275	83	----
July	71,706	4,875	134	138	54	----
August	74,372	2,668	464	129	88	----
September	66,824	5,056	603	492	191	----
October	114,278	9,142	1,145	934	257	----
November	102,841	9,213	870	1,325	342	----
December	96,662	11,730	1,901	1,325	436	1,012
Total	958,538	73,015	6,812	7,436	2,524	1,012

Month	Pitkin	Rio Blanco	Routt	San Miguel	Weld	Total
January	170	827	78,660	----	182,174	654,436
February	130	788	43,670	----	155,112	499,420
March	78	798	38,592	----	133,631	481,449
April	61	457	26,422	----	94,570	332,196
May	50	268	30,952	----	80,442	339,044
June	49	232	36,778	----	50,084	308,018
July	47	130	22,693	----	29,134	268,991
August	104	235	86,448	----	57,291	383,106
September	109	489	72,438	----	111,944	463,968
October	130	769	130,752	----	160,544	760,364
November	259	798	124,034	----	170,040	735,245
December	186	1,378	111,323	1,421	183,562	722,424
Total	1,373	7,219	802,762	1,421	1,408,528	5,948,661

SHOWING INCREASE AND DECREASE BY COUNTIES 1934-1935

Counties	1934	1935	Increase	Decrease
Adams-----	421	-----	-----	421
Archuleta-----	917	820	-----	97
Boulder-----	462,614	497,786	35,172	-----
Delta-----	38,673	53,449	14,776	-----
Elbert-----	5,997	7,329	1,332	-----
El Paso-----	293,262	294,630	1,368	-----
Fremont-----	363,803	421,164	57,361	-----
Garfield-----	27,882	37,939	10,057	-----
Gunnison-----	447,971	491,926	43,955	-----
Huerfano-----	607,624	677,417	69,793	-----
Jackson-----	24,658	24,019	-----	639
Jefferson-----	136,808	136,322	-----	486
La Plata-----	23,638	31,624	7,986	-----
Larimer-----	3,701	3,596	-----	105
Las Animas-----	863,472	958,538	95,066	-----
Mesa-----	62,117	73,015	10,898	-----
Moffat-----	3,322	6,812	3,490	-----
Montezuma-----	7,447	7,436	-----	11
Montrose-----	1,444	2,524	1,080	-----
Ouray-----	796	1,012	216	-----
Pitkin-----	1,093	1,373	280	-----
Rio Blanco-----	5,914	7,219	1,305	-----
Routt-----	491,881	802,762	310,881	-----
San Miguel-----	1,378	1,421	43	-----
Weld-----	1,374,170	1,408,528	34,358	-----
Total-----	5,251,003	5,948,661		
Increase for 1935-----	-----	-----	697,658	-----

SHOWING BY COUNTIES PRODUCTION OF 1935 IN PREPARED SIZES

Counties	Mine Run	Lump	Nut	Pea	Slack	Total Tons
Archuleta-----	820	-----	-----	-----	-----	820
Boulder-----	29,154	99,419	59,312	54,014	255,887	497,786
Delta-----	3,242	21,851	13,604	1,232	13,520	53,449
Elbert-----	3,603	2,841	75	-----	810	7,329
El Paso-----	36,766	48,651	64,168	25,348	119,697	294,630
Fremont-----	90,218	155,386	65,150	30,774	79,636	421,164
Garfield-----	20,457	4,803	3,940	499	8,240	37,939
Gunnison-----	173,106	87,256	21,687	59,070	150,807	491,926
Huerfano-----	118,442	141,474	74,432	247,906	95,163	677,417
Jackson-----	4,371	10,014	5,686	-----	3,948	24,019
Jefferson-----	1,198	40,993	10,383	6,763	76,985	136,322
La Plata-----	14,686	6,669	2,624	1,352	6,293	31,624
Larimer-----	893	1,785	325	79	514	3,596
Las Animas-----	428,839	35,753	32,322	383,265	78,359	958,538
Mesa-----	34,558	18,782	7,148	2,892	9,635	73,015
Moffat-----	1,857	3,575	1,222	91	67	6,812
Montezuma-----	5,199	1,282	743	79	133	7,436
Montrose-----	1,825	392	162	-----	145	2,524
Ouray-----	1,012	-----	-----	-----	-----	1,012
Pitkin-----	1,127	-----	-----	-----	-----	1,127
Rio Blanco-----	2,704	2,354	1,582	19	560	7,219
Routt-----	45,105	319,790	123,835	59,880	254,152	802,762
San Miguel-----	1,081	186	125	-----	29	1,421
Weld-----	26,382	512,366	138,081	112,148	619,551	1,408,528
Total-----	1,046,645	1,515,622	626,606	985,411	1,774,377	5,948,661

Note: In the Slack, some mines include Pea and others Nut and Pea coal. The Egg and Grate coal are included in the Nut coal. (The Egg and Grate coal reported are from Boulder, Las Animas, Routt and Weld counties.)

COKE PRODUCED IN 1935 BY COMPANIES AND COUNTIES

Companies	Total No. of Ovens Used	Total Tonnage	Counties	Total No. of Ovens Used	Total Tonnage
American Smelting and Refining Co.-----	88	49,209	Las Animas	88	49,209
Colorado Fuel and Iron Co. -----	91	206,901	Pueblo ----	91	206,901
Total -----	179	256,110		179	256,110

Remarks:

Average number of days worked----- 308
 Average number of men employed at the coke ovens----- 51
 Number of tons of coal made into coke-----427,001

COAL PRODUCTION IN COLORADO FROM 1873 TO 1935, INCLUSIVE

Year	Tons	Year	Tons
1873	69,977	1905	8,989,631
1874	87,372	1906	10,308,421
1875	98,838	1907	10,965,640
1876	117,666	1908	9,773,007
1877	160,000	1909	10,722,490
1878	200,630	1910	12,104,887
1879	322,732	1911	10,197,595
1880	375,000	1912	11,016,948
1881	706,744	1913	9,268,939
1882	1,161,479	1914	8,201,423
1883	1,220,593	1915	8,715,397
1884	1,130,024	1916	10,522,185
1885	1,398,796	1917	12,515,305
1886	1,436,211	1918	12,658,055
1887	1,791,735	1919	10,406,543
1888	2,185,477	1920	12,514,693
1889	2,400,629	1921	9,141,947
1890	3,075,781	1922	10,003,610
1891	3,512,632	1923	10,336,735
1892	3,771,234	1924	10,501,088
1893	3,947,056	1925	10,440,387
1894	3,021,028	1926	10,616,760
1895	3,339,495	1927	9,781,580
1896	3,371,633	1928	9,921,585
1897	3,565,660	1929	9,934,064
1898	4,174,037	1930	8,238,094
1899	4,826,939	1931	6,604,063
1900	5,495,734	1932	6,616,525
1901	6,021,405	1933	5,284,872
1902	7,522,923	1934	5,251,003
1903	7,775,302	1935	5,948,661
1904	6,776,551		

BEAR CANON NO. 6 MINE EXPLOSION—JULY 9, 1935

This explosion in which four men lost their lives was reported by the Bear Canon Coal Company on the above date at 4:30 P. M. This message was relayed to the United States Bureau of Mines, Denver headquarters, and Mr. E. H. Denny, engineer in charge, assembled rescue equipment and together with Mr. Howard Bird, first aid miner, left by truck for the scene of the explosion.

Governor Johnson placed a National Guard airplane at the disposal of the department and I left the Denver flying field at 6:15 P. M., arriving at the old airport near Ludlow at 7:45 P. M. A little time was lost here, as arrangements were made to have an automobile at the airport in Trinidad, but Major Stone, the aviator, landed at this abandoned field as it was much closer to the mine.

I arrived at the mine at 8:45 P. M. and found the rescue work in progress and in charge of Deputy Inspector W. M. Laurie. Three bodies had been recovered on the main entry about 1,100 feet from the portal. These men apparently were all coming out of the mine on the storage battery locomotive near which they were found. Advance work was held up until a temporary overcast could be built at the eleventh east junction to carry the ventilation of all the east workings directly into the return.

On the morning of July 10th, accompanied by Mr. Denny, Mr. Bird and helpers, we reached a point near the twentieth and twenty-first parting, about 4,200 feet from the portal. A new crew, under Deputy Inspector Hugo H. Machin, came in about 6:00 P. M. and carried on the recovery work and found the body of James MacKeown near the face of the twenty-first west entry. This was the last body and it was found at 2:45 A. M. on July 11.

The investigation revealed that the fan motor was disabled by lightning for a period of about thirty minutes, from 2:45 to 3:15 P. M. The fan was started up and the power turned into the mine. Thirty or forty minutes after the power was turned on, the explosion occurred. This was around 3:45 or 3:55 P. M., which was about the quitting time for the inside workers.

James MacKeown, who lost his life in the explosion, was mine foreman and did the shot firing. He arranged to start blasting after the men had time to get out of the mine. Apparently those men, other than James MacKeown, who lost their lives, were on their way out of the mine when the explosion occurred and had been delayed in starting, as the examination showed that MacKeown had fired the shots in the twentieth and twenty-first west entries. However, there was no indication of damage from these shots.

The force of the explosion appeared to radiate from the twenty-first east (this is the last entry turned off from the main and about 4,200 feet from the portal), where a mining machine was completely buried under a very heavy and long rock fall. This machine has not been recovered so it is not possible to state what happened to it. The violence of the explosion passed throughout the mine, decreasing along the main entries where they were rock dusted.

From the examination of the mine after the explosion and evidence submitted at the inquest it would appear that the stoppage of the fan caused by the lightning, stopped the circulation of the air current, thus increasing the explosive gas percentage in the mine workings. This also caused dust created by the machine cuttings to remain suspended at or near the faces. Ignition may have been caused from the fuse igniters used to fire shots, but the violence radiating from the machine location would indicate that a short on the machine or cable started the explosion.

The Bear Canon mine produces a bituminous coal of a coking quality. The mine is gaseous, generally dry, but rock dusting had been done on the main lines before the explosion, but it was not carried up to the working faces. No sprinkling or watering was practiced. Coal cutting was done dry. Shots were fired by fuse igniters. Only permissible electric lamps and flame safety lamps were used. Work was very irregular due to the small demand for coal of any kind.

- RECOMMENDED: (1) That the mine be thoroughly rock dusted.
- (2) That all shots be fired with an electric battery.
- (3) That shotfiring shall not start until after all employees excepting the shotfirers are out of the mine.

Respectfully yours,

(Signed) THOMAS ALLEN,
State Inspector of Coal Mines.

BRIEF DESCRIPTION OF FATAL ACCIDENTS WHICH
OCCURRED IN THE COAL MINES OF COLORADO
DURING THE CALENDAR YEAR 1935

January 10—PAUL KOPACZ, Polish, company man, experience 28 years, age 52 years, married, six children, employed by the Colorado Fuel & Iron Co., at the Rockvale No. 3 mine, Fremont county, was killed by an explosion of dynamite. Deceased was assisting the shotfirer in brushing the top of the main parting of the north entry. One foot brushing was being taken down. It is a hard sand rock top and had to be drilled and shot. Eleven holes had been drilled, charged and shot. All had fired according to the statement of the shotfirer. Kopacz was then left alone to clean up the rock that had been down. The shotfirer had been gone about an hour and returned to the main slope, about 300 feet from the north entry, when he heard a shot. When he reached the parting, he met two machine men coming out of the tenth north who told him that Kopacz was lying on the track with both legs shot off. They had been about 50 feet from the place of accident but had not noticed him until after the flash and noise from the blast. There was a hole in the roadbed of the loaded track about eight inches deep and a foot in diameter. Deceased must have been directly over the charge. There is not sufficient evidence to place any responsibility and it is not known how or why any powder should be at this point as all holes had been drilled and fired. RECOMMENDED: That all powder taken into the mine for company use be kept in a closed and locked box so that only those lawfully qualified to handle it will have access to it.

February 18—WILLIAM BALDWIN, American, machine helper, experience 20 years, age 34 years, married, five children, employed by the Louisville-Lafayette Coal Co., at the Hi-Way mine, Boulder county and his partner;

February 18—MORTON LYONS, American, machine man, experience 30 years, age 44 years, married, two children, were both fatally injured in a cage while it was being hoisted out of the mine by a sheave wheel falling down the shaft and on the top of the cage. The sheave wheel had been making a thumping noise for several days and was ordered repaired. On the afternoon of February 18, the blacksmith and engineer went to work on this sheave wheel. They had taken the upper part of the boxing off and found that the key which holds wheel to axle was loose, and had some trouble in getting the wheel around so they could get at the key. While doing this work the two deceased signaled to be hoisted. The engineer asked the blacksmith if it would be safe to raise the men with the boxing off, to which he replied it would be. When the cage had been raised ten or twelve feet from the bottom of shaft, the sheave wheel, which weighs approximately 1,500 pounds, fell from the open boxings, dropped down the shaft and crashed through the cage, killing Morton Lyons instantly and injuring

William Baldwin so severely that he died on the 21st. This accident could have been avoided had the boxing been replaced before attempting to move the cage or had the west cage been used to hoist the men. The deceased came to their death through no fault of their own and the company is therefore held responsible for this accident.

March 6—JOHN PENCA, Austrian, timberman, experience 25 years, age 45 years, married, two children, employed by the Leyden Lignite Co., at the Leyden No. 3 mine, Jefferson county, was injured by a fall of roof on the fifth of March and died on the above date. Deceased and his partner were preparing to remove a fall of rock in an entry and while in the act of taking down some loose rock, a piece from the roof fell on him, causing such injuries that he died the following day. Deceased was a competent and practical workman. Neither he or the management can be charged with any responsibility for the accident. It was due to the hazard of the occupation and is classed as unavoidable.

March 8—CARLOS CARIA, Spanish-American, pick miner, experience 15 years, age 35 years, married, five children, employed by the City Coal Mines at the City mine, El Paso county, was killed by a fall of rock. Deceased and his partner were working a panel off some pillar workings. The roof here is very uncertain and to make it safer it was decided to set another prop as the face was about four or four and one-half feet from the last prop. While kneeling down preparing a place on the bottom to set a prop and cap, a rock fell from between two damp slips, which were invisible, until exposed by the fall. Before starting to work they had sounded the roof and it seemed solid. The accident was unforeseen and is classed as unavoidable.

March 9—WM. M. JONES, American, driver, experience 22 years, age 40 years, married, one child, employed by David Allan at the Crown mine, Boulder county, was injured by being crushed between a car and brushing on March 29, 1934, and died almost one year afterwards, on the above date. The accident was caused by his passing through a canvas and losing his balance, stepped off or fell in front of a car, receiving such injuries that he did not recover. Owing to the difference in statements it is not possible at this late date to place the responsibility for the accident. One witness stated that the clearance between the flare of the car and the brushing was not sufficient for safety, and the other statement is to the effect that deceased in passing through the canvas lost his cap and lamp. If the former statement is true then the management is responsible; if the latter, then the accident was unavoidable.

March 26—JAMES FIORI, Italian-American, shop man, experience 19 years, age 65 years, married, five children, employed by the Consolidated Coal & Coke Co. at the Baum mine, Weld county, was injured on March 20 by being jammed between railroad car and leg frame of pea coal bin and died on above date. Fiori was picking up coal, filling a small bucket to take into the shop. He

was between the outside rail of the railroad track and the leg frames of the pea coal bin. The outside foreman let down an empty open railroad car from the storage tracks, proposing to set the car under the tipple for loading. He was riding the rear end. He could not see Fiori until the car passed the point of accident. He then saw Fiori partly supporting himself by one hand on a leg of the underframe about ten feet down the track from the point of accident. Fiori told the foreman that he had been squeezed between the railroad car and coal bin. The area is all open and why deceased did not see the car coming or hear it is not known, as the car was coming slowly under the brakes set and there is no doubt that the car was making some noise with the brakes being applied. The accident is classed as a misadventure for which no one could be held responsible.

April 8—JOE TOTH, Hungarian, machine miner, experience 1½ years, age 41 years, single, employed by the Clayton Coal Co. at the Clayton mine, Weld county, was killed by a fall of rock. The accident occurred in a barrier pillar. The mine foreman had visited the place 35 minutes prior to the accident. Deceased was loading coal on the rear end of car which was on the track running parallel with the pillar being extracted. Timbers were set 3½ feet apart on each side of track and 2½ feet from the rail. A piece of rock fell from between the props on the left-hand side of the track, squeezing Toth against the car, crushing his abdomen so severely that he died. The place was well timbered and in a good workman-like manner. The accident is classed as inherent to the danger of the work for which no one could be held responsible.

May 8—LAWRENCE SHAW, American, rope rider, experience 14 years, age 37 years, married, no children, employed by the Colorado Fuel & Iron Company at the Robinson No. 4 mine, Huerfano county, died from overexertion in polluted air. The head frame of the Glove shaft, one of the intakes for the air current of the mine took fire, puffing out a body of smoke polluting the air. Men were working in the affected district and the mine officials organized a crew of willing workers to assist in the withdrawal of all men. Deceased was directing the withdrawal through the polluted zone of 600 feet and made about fourteen trips when he collapsed and did not revive. The fire was a mishap for which no one could be held responsible.

June 14—EDWARD CASSAI, American, pick miner, experience 11 years, age 34 years, single, employed by the Peachey Coal Company at the Ojo Canon mine, Huerfano county, was killed by a fall of rock. The accident occurred at the face of a room, the mine foreman had visited the place 30 minutes prior to the accident and sounded the roof, examined it for slips and found props well set and so far as he observed the place was safe. Deceased was shoveling coal at the face of the room when a large piece of rock fell on him, killing him instantly. The rock gave way from an invisible slip, too thick to detect by sounding any looseness. The

place being well timbered and the danger apparently unforeseen, the accident is classed as unavoidable.

July 9—JAMES McKEOWN, Scotch, mine superintendent, experience not given, age 60 years, married, no children;

July 9—JOE MEDINA, American, motor man, experience not given, age 38 years, widower, five children;

July 9—LEO MARTINEZ, American, machine runner, experience not given, age 27 years, married, three children; and

July 9—CHARLES SMITH, American (colored), machine helper, experience not given, age 38 years, married, no children; all employed by the Bear Canon Coal Company at the Bear Canon No. 6 mine, Las Animas county, were killed by a mine explosion. A bolt of lightning struck the motor operating the ventilating fan, putting it out of commission, cutting both the ventilation and electricity off the mine for a period of thirty minutes. This stoppage may have caused an accumulation of explosive gas and when the electricity was turned on again into the mine, a short circuit on some of the wire systems probably ignited this mixture, causing the explosion. RECOMMENDED: (1) That the mine be cleaned up and thoroughly rock-dusted; (2) That all shots be fired by an electric battery; (3) That shotfiring shall not start until after all employees excepting the shotfirers are out of the mine.

July 20—JAY M. HODGES, American, top laborer, experience 4½ years, age 49 years, married, eight children, employed by the Leyden Lignite Company at the Leyden No. 3 mine, Jefferson county, was killed by falling off an open car. Deceased was arranging the coal on the car when he lost his balance and fell over the edge, a distance of 10 feet, fracturing the third and fourth vertebra and fracturing the 1, 3, 4 and 5 ribs on the right side, which resulted in his death ten and one-half hours after the accident. The accident was a misadventure for which no one could be held responsible.

August 12—JOHN BARTOLO, American, machine miner, experience 4 years, age 21 years, married, no children, employed by the Victor-American Fuel Co. at the Delagua mine, Las Animas county, was instantly killed by a fall of rock. Deceased and partner had set up timbers at the neck of a room and then tested the roof and considered it safe. While loading their fourth car, a rock 8x5x2 gave way from a slip. Owing to the dimensions of the slip it had been difficult to determine whether the rock was loose or not. The mine foreman had visited the place an hour before the accident. It is classed as unforeseen and unavoidable.

August 15—GEORGE A. BARTON, American, machine man, experience 10 years, age 48 years, single, employed by the Pikes Peak Fuel Co. at the Pikeview mine, El Paso county, was injured while handling a loading machine. His ring finger was crushed. After the first joint was amputated it was discovered that he was

suffering from diabetes and consequently developed diabetic gangrene from the effects of which he died. Owing to the fact that his death resulted from a coal mine injury it is charged to the industry.

August 24—CLYDE SCRUGGS, American, pick miner, experience 16 years, age 29 years, married, five children, was operating the Prospect mine in Las Animas county under a lease, was killed by a fall of rock. The day of the accident deceased and his partner entered the mine and went to their working place, but before starting to work sat down at the inby end of a chain pillar, the partner then went to the skip to get an ax when the rock gave way and killed Scruggs instantly. When the roof was examined it was discovered that several slips were running across at different angles, causing a dangerous condition. It is not known whether the roof had been tested before starting work. The accident is classed as unforeseen and unavoidable. **RECOMMENDED:** That all working places in this district be cross-barred.

August 26—JOHN BORTMAN, American, machine loader, experience 42 years, age 55 years, married, three children, employed by the Colorado Fuel & Iron Co. at the Robinson No. 4 mine, Huerfano county, was killed by a fall of rock. Deceased and his partner were making a hitch to secure a cross bar in the left-hand rib of a cross cut when a large rock fell from an invisible slip off at face of coal. There is a drawslate over the coal in this district and it is taken down in the rooms, but left in the cross cuts with an average thickness of eight inches to one foot and has a tendency to cover slips from being visible and is therefore dangerous. The accident was unforeseen and classed as unavoidable. Mine foreman visited the place five hours prior to the accident. **RECOMMENDED:** That all cross cuts be cross barred or the drawslate be taken down.

August 29—JOHN GIORZELLI, Italian, machine miner, experience 30 years, age 48 years, single, employed by the Louisville-Lafayette Coal Co. at the Hi-Way mine, Boulder county, was killed by a fall of rock. The mine foreman had visited the place of accident an hour before it occurred and found the place in a workman-like condition. There were three temporary props across the face and one supporting the rock that fell. Deceased and his partner were preparing their hitch holes for the cross bars when the rock fell. The accident was unforeseen and is classed as unavoidable.

October 10—UMBERTO TONNELLI, Italian, machine miner, experience 25 years, age 58 years, married, one child, employed by the W. A. Ream Coal Co. at the Spanish Peak No. 2 mine, Huerfano county, was injured by a fall of rock on the ninth and died on the following day. Deceased and his partner were preparing to machine cut their working place. The timbers were set to within 7 feet of the face. The partner was drilling a hole in the face and deceased was cleaning up loose coal when a large slab of rock snapped from the roof between the timber and the face and struck with fatal results and injuring deceased's partner. The roof had

been tested by both workers and the assistant mine foreman a short time before the accident and found solid. Deceased was considered a good workman and the accident is classed as unforeseen and unavoidable.

October 12—KENNETH McFEE, American, trapper, experience 2 years, age 20 years, employed by the Boulder Valley Coal Co. at the Boulder Valley mine, Weld county, was run over by a motor and so seriously injured that he died a few hours later. Deceased was riding on front end of motor attached to a ten-car man-trip. The motor slowed down as it reached the point where the men got off but deceased stepped off while the trip was still moving and in some way fell in front of it and was caught and dragged a distance. The nipper was riding with him and tried to pull him away from the motor but failed. The superintendent stated that he frequently gave orders to allow no one to ride on the front end of motor except the one assigned to it. The order in this case was disregarded. Accident would have been avoided had the orders been obeyed or had deceased waited until the motor stopped.

November 7—LEE WALLACE, American, outside laborer, experience 2 years, age 24 years, married, no children, employed by the Hayden Coal Co. at Hayden No. 3 mine, Routt county, was killed by being struck by a tram bucket. He was operating an aerial tram, hauling rock from the tippel.. Apparently he had just sent out a loaded bucket, before it had gone far the clamps which fasten the rope to the bucket gave way and it moved back, striking deceased so severely that he died a few hours later. There were no eyewitnesses to the accident, therefore, it is difficult to say how it happened. He may have stepped away from the controller and his back turned to the descending bucket and he was unaware of its return as he was struck in the back and the controller was on in full force after the accident. The responsibility may be charged to negligence of deceased in leaving the controller and partly to the management in not properly inspecting their machinery.

November 13—WARREN E. BANKS, American, assistant mine foreman, experience 45 years, age 62 years, married, no children, employed by the Colorado Fuel & Iron Co. at the Frederick mine, Las Animas county, was injured on November 7th by a fall of rock and died on above date. Deceased was making his second round examining the working faces when he reached a chain pillar where a miner was working; he tested a small slab of draw-state between timbers close to the face. According to evidence, he was preparing to take it down when it suddenly gave way and fell on him, injuring him so severely as to cause his death. The place was well timbered, about three feet apart. Deceased was a good workman and very careful in timbering the places in his district. The accident was unforeseen and no one can be held responsible for it.

December 13—ALBERTO CONTONI, American, pick miner, experience 20 years, age 41 years, married, no children, employed

by the Colorado Fuel & Iron Company at the Cameron (Robinson No. 4) mine, Huerfano county, was injured by a fall of rock on November 8th and died on the above date. He and his partner had loaded one car which made space for another prop which was to be set close to the face. While digging a hole to set the foot of the prop, a rock gave way from the face, striking deceased on his head, causing injuries which caused his death. The place was well timbered and the accident is classed as unforeseen and a mine hazard.

December 16—ALEX BACA, American, driver, experience 28 years, age 50 years, married, four children, employed by the Clayton Coal Company at the Clayton mine, Weld county, was killed by falling under a car which he was driving. There were no eye witnesses to the accident and the track was in good order. No holes between ties and sufficient clearance between rib and cars. The accident was a misadventure for which no cause can be given.

SUCCESSFUL CANDIDATES IN THE EXAMINATION FOR MINE OFFICIALS, 1935.

MINE FOREMAN

Alexander D. Burton	Lafayette
Jack W. Allen	Denver, 720 So. Gaylord St.
Thos. Emmett Barton	Colorado Springs, 316 N. 25th St.
L. E. Battiste	Farr
R. J. Benton	Canon City, 431 Myrtle St.
Hayden Bodycomb	Farr
Steve Bokan	Erie
Trevor Canton	Superior
Douglas C. Clark	Oak Creek
Collister, F. C.	Delagua
Stewart Connors	Trinidad, 117 State St.
Chas. Leroy Conway	Lafayette, Box 145
Kelly Costa	Rugby
Christ Cunico	Sopris
Robt. Dalrymple	Denver, 1376 Pearl St.
Steve Despod	Mt. Harris
Thos. Dodds	Lafayette, Box 433
Geo. Eadie	Walsenburg, Box 83
Vinton Edwards	Chandler
Jas. A. Farris	La Veta
Roy Freeman	Mancos
Louis Gaspar	Lafayette
Edgar W. Gibboney	Oak Creek
Jas. Gilmour	Erie, R. D. No. 1
Glen H. Godfrey	Florence, R. D. No. 1
Was. W. Graham	Lafayette, Box 372
Jno. W. Harmon	Steamboat Springs
Frank W. Harris	Erie
Mark Harrison	Longmont
Jas. W. Hay	Coal Creek
Jas. Roy Holt	Haybro
Alex Jacobs	Trinidad, 900 Oak St.
Robt. Johnson	Lafayette
Edward Kitto	Florence, 425 E. Main
Levi Knox	Walsenburg
Carl Kusick	Dacono
Raymond Lee	Colorado Springs, 804 E. Fontanero St.
Bob Llewellyn	Trinidad, 1516 Garfield St.
Joe Marley	Bayfield
Jno. Mathews	Oak Creek
Jno. Montero	Delagua, Box 343
Ted Morgan	Superior
Jas. Murrell	La Veta
Jos. E. Partch	Baldwin
David C. Philp	Erie, 7/4 Clayton Mine
Dan R. Ratkovich	Crested Butte
Hugo Renlund	Boulder, 1527 5th St.
W. H. Richards	Delagua, Box 387
Emil Richter	Ravenwood
Frank E. Rocchio	Florence
Newton E. Rockley	Louisville
Ed C. Shipley	Longmont, 543 Baker
Mike Skavarda	Canon City, Elm and Birch
M. J. Slate	Colorado Springs
Alex R. Sneddon	Chandler, Box 444
Wm. Sneddon	La Veta
John Wm. Thomas	Louisville, Box 43
Geo. Todd	Oak Creek, Box 504
Roy Watts	Oak Creek, Box 261
Henry R. Williams	Erie
Frank Wilson	Trinidad, 421 N. Commercial St.
Howard D. Winter	Oak Creek

ASSISTANT MINE FOREMAN

Frank Ausec	Colorado Springs, Box 129A
Wm. Cosgrove	Pikeview
Chris L. Costa	Colorado Springs, Box 141, R. D. No. 1
Robt. Dirkes	Louisville
Calvin L. Pierce	Durango
Tony Scufca	Mt. Harris, Box 35
Walter Skinner	Mt. Harris
W. C. Thomas	Cameo



SUCCESSFUL CANDIDATES IN THE EXAMINATION FOR MINE OFFICIALS, 1935—Continued.

FIRE BOSS

Jack Allen.....	Alma
Thos. Allen, Jr.....	Colorado Springs, 308 N. Institute
Theodore Angeloff.....	Frederick
Abel Audin.....	Somerset
Harry S. Bennett, Jr.....	Colorado Springs, R. D. No. 1, Box 149
Alfred E. Bensen.....	Crested Butte
Jno. Beres.....	Walsenburg
Clarence Bergerin.....	Haybro, Box 44
Everette Billington.....	Lafayette
Chas. Lao Blair.....	Somerset
Nello Bonicelli.....	Tioga
Angelo Joe Boscio.....	Walsenburg
Lee Boscia.....	Walsenburg
Wm. Brack.....	Erie
Jno. Brelsford, Jr.....	Boncarbo
Ira A. Brown.....	Fort Lupton, Box 13
Mungo C. Brown.....	Dacono, Box 74
Louis Brugger.....	Lafayette
Jno. R. Bujoci.....	Erie
Gunnar S. Carlson.....	Oak Creek
Joe Carman.....	Colorado Springs, 1818 N. Webber
Edmund P. Carter.....	Frederick, % Grant No. 1
Lawrence J. Chiri.....	Rockvale
Benj. Paul Cimino.....	Colorado Springs, R. D. No. 1
Jno. Coan.....	Bear River
Ted Colanelli.....	Canon City, Elm and Locust
Anton Colnar.....	Del Carbon
Wm. Cominotti.....	Walsenburg, 234 W. 7th St.
Harris Courtier.....	Lafayette
Jas. Courtney.....	Walsenburg, 411 Rita
Wesley M. Cregger.....	Cameo
Wm. Daly.....	Frederick
Albert Daniels.....	Haybro
Wm. Daniels.....	Haybro
Geo. Wm. Davies.....	Coal Creek
Jno. Daugherty.....	Haybro, Box 54
Wm. Dier.....	Firestone
Antonio Di Giacomo.....	Rockvale
Frank Dowling.....	Bear River
Robt. D. Elwell.....	Gordon
Chester Evans.....	Florence, 109 W. 4th
Roy Evans.....	Coal Creek
Frank Faris.....	Fruita
Jas. Fenolia.....	Louisville
Paul Fickle.....	Clifton
Arthur Gasperetti.....	Ludlow
Jos. E. Gaymay.....	Ravenwood
Chas. R. Gillespie.....	Tioga, Box 84
Joe Giorzelli.....	Louisville
Jno. Gourley.....	Bear River
Romie Green.....	Louisville
Chas. Guadagnoli.....	Trinidad, 1217 San Pedro
John Guadagnoli.....	Trinidad, 1217 San Pedro
Lloyd Louis Hager.....	Firestone
Paul Hahn.....	Dacono, Box 135
Wm. Harris.....	Louisville
Donald Haske.....	Walsenburg, 212 E. Cedar St.
J. E. Hatcher.....	Tioga
W. H. Hathaway.....	Florence, 117 So. Frazier
Maurice Haynes.....	Palisade
Elwin A. Hedden.....	Leyden
W. H. Hedley.....	Gunnison
Elmer Hodgson.....	Longmont
Jos. Hollak.....	Chandler
Jas. H. Hood, Jr.....	Louisville
Elwood Horton.....	Bear River
David Hughes.....	Delagua
Jesse L. Hurd.....	Lafayette
Fred M. Ivey.....	Walsenburg, 219 W. 3rd
Albert James.....	Lafayette, Box 423
Jimmie James.....	Lafayette
T. E. Jenkins.....	Gunnison, Box 452
Joe Kasinga.....	Louisville, Box 155
Wm. David Kerr.....	Louisville, Box 166
Howard Earl Kissell.....	Cameo

SUCCESSFUL CANDIDATES IN THE EXAMINATION FOR MINE OFFICIALS, 1935—Continued.

FIRE BOSS—Continued

C. R. Knapp	Colorado Springs, 221 E. Brookside
Frank Kolar, Jr.	Erie
Joe F. Krist	Walsenburg, 1013 W. 7th
Tony Krizmanich	Crested Butte
Tony Largo	Louisville
Jas. Lastoka	Lafayette
Wm. Leslie	Louisville
Barney Lira	Lafayette, Box 101
Cornelio Lucero	Walsenburg
Grant McConnell	Lafayette
Chas. Raymond McElhinney	Oak Creek
Andrew T. McLaughlin	Denver, 4459 Grove
Jno. R. McNeil	Dacono
Anton V. Madonna	Florence, 208 W. 2nd
Mitchell Mahaffey	Mt. Harris
Frank Malovich	Boncarbo
Richard C. Martin	Palisade, Box 43
Jack N. Matheson	Frederick, $\frac{7}{8}$ Russell Mine
Jas. Meikle, Jr.	Dacono
Donald Mitchell	Del Carbon
E. M. Morgan	Palisade
Paul Moschetto	Canon City, 428 River St.
Tony Moschetti	Coal Creek, Box 34
Jno. J. Mulvihill	Palisade
Raymond Munn	Gorham
Theodore N. Naff	Durango
Wm. A. Naff	Durango
Roy L. Nelson	Mount Harris
Albert W. Newcomb	Fort Lupton
Earl G. Octava	Erie
Lowe Octava	Erie, $\frac{7}{8}$ Clayton Mine
Ronald C. Oliver	Somersset
Vince Oprandi	Baldwin
Jno. Palmgren	Crested Butte
Earl E. Patton	Cedaredge
Fred E. Pierce	Durango, 616 5th Ave.
Fred Platzek	Erie, Box 214
Kemp Rand	Boulder
Henry Ribacchi	Del Carbon
Dan Richards	Longmont, 721 Emery St.
Jos. M. Rizzi	Louisville, Box 622
Eugene Rosetta	Crested Butte
Jno. Rotar	Louisville, Box 196
Nick Ruscetti	Trinidad, 1210 San Pedro
Pete N. Ruscetti	Trinidad, 1210 San Pedro
Wm. F. Ryan	Alamo, Box 24
Frank Sabatino	Brookside, Box 285
Casto F. Schultz	Somersset
Wm. Chas. Scott	Ludlow
Harry Sherratt	Lafayette
Frank Silengo	Canon City
Cleo Smith	Florence, 126 W. 4th
Everette R. Smith	Frederick
Wilfred H. Smith	Frederick
Wm. Sneddon	La Veta
Thos. L. Somerville	Palisade, Box 15
Jno. Stevens	Louisville
Tom Stevens	Louisville
Chas. J. Stiers	Palisade
Lester L. Stoper	Del Carbon
Geo. Sudar	Walsenburg, 915 W. 7th
Tony E. Sudo	Rockvale
Quentin Cecil Thomas	Louisville, Box 43
Arthur E. Thompson	Louisville
Gerald Thorne	Superior
Verlingia, Jno.	Coal Creek
Frank J. Walker	Florence, 617 W. 3rd
Leroy W. Walker	Florence, 823 W. 2nd
Robt. Wallace	Firestone
Jno. Walsh	Frederick, R. D. No. 1
Andrew Wilson	Frederick, $\frac{7}{8}$ Russell Mine
Adam Young	Frederick, Box 93
Joe Zabardac	Frederick
Mike Zavilla	Rockvale
Jno. Zaike	Lafayette



