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TWENTY-FIFTH  
ANNUAL REPORT

OF THE

State Inspector of  
Coal Mines

1937



1938



THE BRADFORD ROBINSON PTO. CO., DENVER

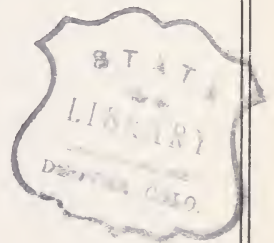


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## LETTER OF TRANSMITTAL

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Denver, Colorado, April 1, 1938.

To His Excellency,  
TELLER AMMONS,  
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 1937.

Respectfully,

THOMAS ALLEN,  
State Inspector of Coal Mines.

## PERSONNEL OF THE COAL MINE INSPECTION DEPARTMENT

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THOMAS ALLEN, Chief Inspector.....	Denver, Colorado
ADA R. TIBBITS, Chief Clerk.....	Denver, Colorado
MAX M. GREENWALD, Assistant Clerk.....	Denver, Colorado
VEDA BURFORD, Safety Director.....	Denver, Colorado

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## FIELD FORCE AND DISTRICTS

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HUGO H. MACHIN, Boulder.....	District No. 1
Boulder, Weld, Jefferson, Larimer counties—all counties north of Littleton outcrops to Wyoming line and east of the range. East of Denver to mines east of Limon.	
GEORGE C. DALRYMPLE, Trinidad.....	District No. 2
All mines in Las Animas county.	
FINLAY MCCALLUM, Steamboat Springs.....	District No. 3
Routt, Moffat, Garfield excepting Stove Canon mines, Rio Blanco, Pitkin, Jackson (in summer and fall) counties.	
J. J. RODDY, Montrose.....	District No. 4
Mesa, Delta, Gunnison, Montrose, Ouray, San Miguel, Dolores, Montezuma, Archuleta, La Plata, and the Stove Canon mines in Garfield county.	
GEORGE H. SMITH, Canon City.....	District No. 5
Fremont, El Paso counties, and all mines east of Colorado Springs, to junction of District No. 1, which extends to a point east of Limon, on Kansas road at the last mine before Limon.	
MYRON WILLIAMS, Walsenburg.....	District No. 6
All mines in Huerfano county.	

SUMMARY OF THE COAL PRODUCTION OF  
COLORADO FOR 1937

Number of mines licensed.....	382
Tons of sub-bituminous coal produced.....	2,541,130
Tons of semi-bituminous coal produced.....	100,171
Tons of bituminous coal produced.....	4,550,377
Tons of anthracite coal produced.....	3,717
Total number of tons of coal produced (see additional tonnage in supplement below).....	7,195,395
Increase, 1937 (see additional tonnage in supplement below).....	349,558
Tons of run of mine coal produced.....	1,300,611
Tons of lump coal produced.....	1,634,909
Tons of egg coal produced.....	229,506
Tons of nut coal produced.....	546,140
Tons of pea coal produced.....	221,730
Tons of slack coal produced.....	3,262,499
Percentage of slack coal produced.....	45%
Tons of coal mined by hand.....	2,424,079
Tons of coal mined by machine.....	3,608,050
Number and kind of machines used: Compressed air, 26; electric, 382; total.....	408
Number of mechanical loaders.....	123
Number of tons mined by mechanical loaders.....	1,163,266
Tons of coal mined for shipment: By railroad, 5,385,447; by truck and wagons, 1,627,340; total.....	7,012,787
Tons of coal used at the mine for power and heat.....	182,608
Tons of coal shipped out of the state.....	824,837
Tons of coal made into coke.....	922,134
Tons of coke made.....	551,167
Number of days coke ovens operated.....	365
Number of coke ovens used.....	311
Number of men employed at coke ovens.....	82
Number of miners employed: Pick miners, 2,005; machine miners, 3,968; total.....	5,973
Number of men employed in and about mines (average): Underground, 7,862; surface, 1,587; total.....	9,449
Number of days worked.....	201.9
Daily production per miner.....	5.96
Annual production per miner.....	1,037
Number and type of safety lamp used: Flame, 421; electric, 6,355; total.....	8,876
Number of carbide lamps used.....	2,688
Number of pounds of carbide used (approximate).....	93,340
Number of pounds of black powder used.....	598,922
Number of pounds of permissible powder used.....	490,982
Number of pounds of dynamite used.....	30,579
Number of men killed: Underground, 22; surface, 2; total.....	24
Number of men injured.....	905
Number of men killed per thousand employed—actual number of days worked.....	2.53
Number of men injured per thousand employed.....	95.7
Number of tons of coal produced for each life lost.....	299,808
Number of tons of coal produced for each non-fatal accident.....	7,950
Number of men employed per fatal accident.....	393.2
Number of men employed per non-fatal accident.....	10.4
Number of widows left.....	10
Number of children left fatherless.....	25

Supplement to above Summary: Annual reports for 22 mines were filed too late to be included in the above table; these mines reported 20,521 tons of coal mined for 1937; grand total for 1937.....7,215,916



# STATEMENT SHOWING RECEIPTS AND DISBURSEMENTS FROM JANUARY 1 TO DECEMBER 31, 1937

## RECEIPTS

Tax collected on coal mined.....	\$ 23,833.45
License to operate coal mines.....	10,195.00
Sales of copies of the coal mining laws.....	103.00
Sale of duplicate certificates.....	2.00
Miscellaneous receipts .....	21.77
Balance brought forward from 1936.....	9,768.33
Total .....	<u>\$ 43,923.55</u>

## DISBURSEMENTS

Salaries entire department.....	\$ 23,021.10
Fatal accident investigators, per diem and expenses.....	210.04
Railroad transportation.....	82.88
Automobile mileage and expenses.....	3,000.49
Board of examiners (rent for grading papers; 1936 mine officials' examination).....	68.65
Printing .....	1,299.97
Postage .....	619.39
Stationery and office supplies.....	654.77
Telephone service (toll calls entire department).....	486.79
Telegraph service .....	73.12
Hotels .....	834.81
Meals .....	577.76
Instruments and appliances.....	378.55
Office rent.....	855.04
Express .....	2.50
Field equipment, training and miscellaneous (truck and equipment, \$4,400.00) .....	6,290.61
Total .....	<u>\$ 38,456.47</u>
Balance on hand December 31, 1937.....	\$ 5,607.83



## INTRODUCTION

## Twenty-fifth Annual Report

## OF THE

STATE INSPECTOR OF COAL MINES  
1937

In 1937 the coal tonnage produced was 7,215,916; this is an increase of 370,079 tons over 1936. This tonnage was produced by 382 licensed coal mines, employing an average number of 9,449 miners, who worked 201.9 man-days.

Of the 382 licensed coal mines, only 87 have railroad connection, the balance being served by trucks and wagons.

The number of fatal accidents for 1937 was 24; a reduction of five fatal accidents compared with 1936. The number of non-fatal accidents for 1937 was 905; a reduction of 243 non-fatal accidents compared with 1936.

In 1937 the coal production increased over 1936; a greater number of men worked in the mines; 53 additional coal operators secured licenses to operate coal mines; and a considerable reduction in both fatal and non-fatal accidents, which in a large measure resulted from the cooperation of the miners and the coal operators with this department, in the development of an organized effort to reduce coal mine accidents.

## GENERAL FIELD FORCE

During the year 1937 two Deputy Coal Mine Inspectors—Mr. James W. Graham, Sr., and Mr. William M. Laurie—retired from the field force of the Coal Mine Inspection Department.

Mr. Graham served as a Deputy Inspector for twenty-five years and Mr. Laurie held the position of Deputy Inspector for twenty-one years. These two men served the State of Colorado faithfully, conscientiously and fearlessly. The Coal Mine Inspection Department regrets the loss of these two loyal men; however, they have earned the privilege of resting after the splendid record left behind them.

In October, 1937, four new Deputy Inspectors joined the field force.

The State was divided into six districts instead of four districts.

The names and addresses of the field force and the districts are included in this publication under the heading of "Personnel of the Coal Mine Inspection Department."

## SAFETY ACTIVITIES IN COLORADO DURING 1937

During the past year (1937) a complete file of men and women completing courses in first aid and mine rescue was assembled in the office of the Coal Mine Inspection Department. These men and women may be reached immediately in an emergency, the file giving complete information as to where they may be reached, etc.

Fifteen hundred men received renewal training or original first aid training; 150 men were trained in mine rescue; 150 women received first aid training. These different groups completed their assigned courses and received the State Certificate of Qualification.

The training of all safety groups for this work was carried on through the cooperation of the State Board for Vocational Training and the U. S. Bureau of Mines.

Approximately 2,000 men enrolled in twelve chapters of the Holmes Safety Association. These chapters received assistance from coal operators' and coal miners' organizations in their respective areas. Some chapters organized women's auxiliaries in this work with approximately 600 women in attendance.

Women employed by the State WPA made 500 compresses and possibly 2,000 triangular bandages for practice in first aid instruction. Men employed by the State WPA made splints for first aid practice in coal mining areas.

Six hundred men were trained for official positions in coal mines.

During 1937 many local contests in first aid work were held at different parts of the State. This contest work is a very great incentive to the continuation of practice in this necessary work.

## SAFETY EQUIPMENT

The Coal Mine Inspection mine rescue truck, fully equipped, is ready for call at all times. This truck, when not in service, is stored in the garage of the Colorado Courtesy Patrol. The State Courtesy Patrol, in addition to the use of their garage for the mine rescue truck, will provide the following assistance: A driver for the mine rescue truck in case of accident and a right-of-way over all traffic to the scene of the disaster.

The State Highway Department will cooperate in times of disaster, and we are privileged to call upon any district engineer in the State, who will provide trucks and automobiles if it should be necessary to transport men and equipment from one district to another.

The Colorado National Guard will provide, in case of serious accidents, tents for temporary housing and bedding and cooking equipment to handle large rescue crews. Governor Ammons has ordered that in emergencies a National Guard aeroplane or aeroplanes be placed at the disposal of the department.

The Public Service Company of Colorado will lend us any of their equipment. They have among other things, six all-service gas masks and two inhalators.

## WORK OF THE FIELD FORCE

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

Total number of inspections made.....	975
Number of fatal accidents investigated.....	18
Number of inquests attended.....	19
General investigations and adjustments.....	53
Total number of miles traveled by field force.....	43,861

Respectfully submitted,

THOMAS ALLEN,  
State Inspector of Coal Mines.





DIRECTORY OF COAL MINES IN THE STATE OF COLORADO FOR THE YEAR ENDING DECEMBER 31, 1937









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 1937

COMPANIES	Total Production	No. of Men Employed	No. of Fatal Accidents	Number of Non-Fatal Accidents
Ainsworth, H. A.....	764	3	.....	.....
American Coal Company.....	25,043	37	.....	.....
American Smelting & Ref. Co.....	127,685	170	.....	22
Anchor Coal Company.....	421	3	.....	.....
Ausec, Frank.....	8,785	15	.....	2
Aztec Coal Mining Co.....	12,968	52	.....	.....
Babb, John, Jr.....	921	3	.....	.....
Babson Coal Co.....	5,006	4	.....	.....
Baione, Joe.....	699	4	.....	.....
Bald Coal Co.....	2,322	12	.....	.....
Barber Coal Co.....	7,153	9	.....	2
Barker, R. B.....	3,755	4	.....	.....
Barnell, Geo. M.....	3,807	4	.....	.....
Barnes, S. E.....	1,472	4	.....	.....
Batchelor & Richardson.....	177	3	.....	.....
Bear, Tony.....	18,525	21	.....	1
Bear Canon Coal Co.....	28,555	43	1	1
Bear River Coal Co.....	60,602	78	.....	11
Beer, Wm. J.....	21,926	42	.....	12
Beltramo & Sons.....	3,291	11	.....	3
Bennett Coal Co.....	53	2	.....	.....
Bierce, Jas. A.....	428	3	.....	.....
Black Cat Coal Co.....	2,842	3	.....	.....
Black Diamond Coal Co. (Boulder).....	55,076	55	.....	8
Black Diamond Fuel Co. (La Plata).....	3,778	6	.....	1
Blackhawk Coal Mining Co.....	10,735	29	.....	3
Blue Blaze Mining Co.....	1,365	10	.....	.....
Bluff Springs Leasing Co.....	16,074	33	.....	6
Bohlender Coal Co.....	2,521	6	.....	.....
Boulder Valley Coal Co.....	272,770	244	.....	24
Bowerman, J. C.....	2,955	3	.....	.....
Brookside Coal Mining Co.....	4,595	14	.....	1
Brundy, Roy L.....	87	2	.....	1
Buddy Coal Co.....	1,937	4	.....	.....
Burchfield & Clark.....	139	2	.....	.....
Busheff, N. M.....	17,532	26	.....	1
Butte Valley Coal Co.....	16,212	101	.....	1
Caddell, Ed.....	2,177	9	.....	.....
Caldirola Coal Co.....	11,706	27	.....	2
Caliente Coal Co.....	47,603	149	.....	3
Calumet Fuel Co.....	301,704	310	.....	22
Canon Black Diamond Fuel Co.....	42,456	49	.....	2
Canon Blue Ribbon Coal Co.....	1,905	9	.....	.....
Canon Coal Creek Coal Co.....	291	4	.....	.....
Canon Ideal Coal Co.....	1,689	3	.....	.....
Canon Imperial Coal Co.....	2,691	9	.....	.....
Canon King Coal Co.....	271	2	.....	.....
Canon Liberty Coal Co.....	1,194	5	.....	.....
Canon Peacock Coal Co.....	1,582	8	.....	.....
Canon Red Arrow Coal Co.....	4,348	6	.....	.....
Canon Reliance Fuel Co.....	282	4	.....	.....
Caprock Fuel Co.....	27,014	14	.....	3
Cardone & Rocchio.....	2,222	4	.....	.....
Castle Coal Mining Co.....	15,419	20	.....	6
Clara Belle Coal Co.....	4,416	20	.....	.....

TABLE NO. 1—Continued

COMPANIES	Total Production	No. of Men Employed	No. of Fatal Accidents	Number of Non-Fatal Accidents
Clark Coal Co.....	2,717	3	.....	.....
Clayton Coal Co.....	249,689	312	1	33
Coke, Frank.....	3,535	6	.....	.....
Colorado Fuel & Iron Corp.....	1,459,781	1,690	2	123
City Mine No. 1.....	51,241	53	.....	2
Coles, W. E.....	12,022	6	.....	.....
Colorado & Utah Coal Co.....	227,216	229	1	22
Combs, R. E.....	360	8	.....	.....
Comet Coal Co.....	296	2	.....	.....
Consolidated Coal & Coke Co.....	110,793	114	.....	5
Corley Coal Co.....	8,711	40	.....	.....
Cracker Jack Coal Co.....	5,648	13	.....	.....
Crawford, Boyd E.....	305	2	.....	.....
Creager, L. W.....	214	1	.....	.....
Crested Butte Coal Co.....	28,332	33	.....	5
Cuckoo Coal Co.....	3,304	16	.....	3
Daisy Coal Co.....	1,263	3	.....	.....
Dalrymple, J. M.....	1,869	3	.....	.....
Danville Coal Co.....	2,731	2	.....	.....
De Boy, Frank.....	176	1	.....	.....
Deldosso Coal Co.....	26,421	42	.....	3
Diamond Coal Co.....	1,748	4	.....	.....
Diamond Fuel Co.....	410	2	.....	.....
Dick Coal Co.....	24,103	28	.....	7
Dill & Boglino.....	346	2	.....	.....
Domestic Coal Co.....	17,928	22	.....	4
Duca, Bernard Z.....	6,653	10	.....	2
Dufur, Xavier.....	156	2	.....	.....
Durango Coal Co.....	459	2	.....	.....
Durkan, Jas. T.....	354	3	.....	.....
Eckert, J. Andrew.....	772	2	.....	.....
Edwards Coal Mine Co.....	2,378	4	.....	.....
Eldorado Coal Co.....	4,854	8	.....	.....
Estes, Tedford.....	705	2	.....	.....
Evans Coal Co.....	2,467	8	.....	.....
Fabec, Louis.....	304	3	.....	.....
Fatur, Mike.....	291	2	.....	.....
Faultless Coal Co.....	189	5	.....	.....
Fawn Hollow Coal Co.....	1,655	6	.....	.....
Foderaro, John.....	1,067	3	.....	.....
Foreman, Thos. D.....	259	2	.....	.....
Franceville Coal Co.....	2,972	15	.....	.....
Frisco Coal Co.....	2,401	5	.....	.....
Garcia, Benito.....	950	2	.....	.....
Garfield Coal Co.....	10,337	16	.....	1
Gearhart, Ballard.....	5,317	7	.....	.....
George, Sam, & Sons.....	312	2	.....	.....
Giordano Coal Co.....	1,091	5	.....	.....
Giuliano-Carpine Coal Co.....	30,311	57	.....	2
Gorbella, Domenik.....	134	2	.....	.....
Gordan Coal Co.....	39,090	53	.....	4
Graden Coal Co.....	24,397	27	.....	2
Grand Prize Coal Co.....	4,304	14	.....	3
Griffiths Coal Co.....	11,329	19	1	.....
Gunnison Anthracite Coal Co.....	1,981	9	.....	.....

TABLE NO. 1—Continued

COMPANIES	Total Production	No. of Men Employed	No. of Fatal Accidents	Number of Non-Fatal Accidents
Gwynn, E. ....	449	2	.....	.....
Halcomb, C. O. ....	400	2	.....	.....
Hammond, W. C. ....	277	3	.....	.....
Hansen, D. L. ....	15,812	48	.....	6
Hare, James. ....	729	2	.....	.....
Hart, G. G., & Sons. ....	748	2	.....	.....
Hasty, M. M. ....	375	4	.....	.....
Hawks Nest Coal Co. ....	1,597	8	.....	.....
Hayden Coal Co. ....	162,606	178	4	35
Hayden Valley Mutual Coal Co. ....	5,356	15	.....	.....
Henry & Coon. ....	529	1	.....	.....
Hesperus Coal Co. ....	1,123	4	.....	.....
Hicks, Ernest. ....	2,970	2	.....	.....
High View Coal Co. ....	7,898	10	.....	.....
Hiland Coal Mines, Inc. ....	4,772	9	.....	.....
Home Fuel & Supply Co. ....	2,705	4	.....	.....
Hopper, A. F. ....	740	3	.....	.....
Howells, Thos. H. ....	8,753	18	.....	.....
Huerfano Coal Co. ....	42,390	81	1	4
Hughes, Wm. ....	2,116	5	.....	.....
Ideal Coal Co. ....	1,919	4	.....	.....
Imperial Coal Co. ....	183,056	149	1	33
Independent Coal Co. ....	1,190	4	.....	.....
Ingle-Haas-Ingle. ....	337	1	.....	.....
James Brothers. ....	426	2	.....	.....
Jefferson Coal Co. ....	7,830	9	.....	1
Jeffries Fuel Co. ....	1,587	3	.....	2
Jewell Collieries Corp. ....	37,056	65	.....	4
Jimmie Camp Auld Reekie C. C. ....	3,825	8	.....	1
Johnson, Claude L. ....	594	2	.....	.....
Johnson, John F. ....	149	1	.....	.....
Jones, R. C. ....	236	2	.....	.....
Juanita Coal & Coke Co. ....	45,479	60	1	1
Keck, W. R. ....	567	.....	.....	3
Kerr Coal Co. ....	31,700	36	.....	1
Keystone Coal Co. ....	72,148	117	1	4
King, H. P. ....	343	2	.....	.....
Klikus, John. ....	137	2	.....	.....
Klondyke Coal Co. ....	1,626	4	.....	1
Knez, Joe L. ....	7,164	5	.....	.....
King & Knowlton. ....	418	2	.....	.....
Kovac, Martin. ....	1,103	2	.....	.....
Ko-Z Coal Co. ....	6,019	10	.....	1
La Salle Coal Co. ....	2,598	7	.....	.....
Lawrence & Spohr. ....	90	2	.....	.....
Le Donne, James. ....	897	2	.....	.....
Leyden Lignite Co. ....	140,562	114	1	8
Liberty Coal Co. ....	677	2	.....	1
Liley & Merlino. ....	721	13	.....	.....
Little Johnny Coal Co. ....	2,974	8	.....	.....
Llewellyn Coal Co. ....	204	2	.....	1
Louisville-Lafayette Coal Co. ....	131,004	139	1	15
Majestic Coal Co. ....	434	4	.....	1
Major Coal Co. ....	11,748	22	.....	.....
Maloney, Joe. ....	4,380	14	1	.....

TABLE NO. 1—Continued

COMPANIES	Total Production	No. of Men Employed	No. of Fatal Accidents	Number of Non-Fatal Accidents
Mancos Coal Co.....	1,846	3	.....	.....
Manley, William, Sr.....	7,842	16	.....	1
Marinelli, Mike.....	224	3	.....	.....
Martin Coal Co.....	4,194	3	.....	1
McBroom, Chas.....	86	1	.....	.....
McDowell, John.....	1,526	4	.....	.....
McKillip & Cox.....	251	1	.....	.....
McCune & Marshall.....	1,561	4	.....	.....
McMillan, Geo.....	989	2	.....	.....
McNeil Coal Corp.....	112,854	113	.....	7
Medlock, E. O.....	162	1	.....	.....
Meggison, E. W.....	12,065	16	.....	.....
Micheli, Pio.....	12,712	21	.....	.....
Midnight Coal Co.....	1,639	6	.....	.....
Minnequa Fuel Co.....	28,298	34	.....	6
Moffat Coal Co.....	196,526	336	1	29
Morasky, Joe.....	2,879	5	.....	.....
Morgan, Wm. L.....	275	2	.....	.....
Morning Star Coal Co.....	3,200	5	.....	.....
Mortorano & Son.....	554	3	.....	.....
Moschetti, Domenic.....	4,008	5	.....	.....
Moschetti, Tony.....	898	6	.....	.....
Mt. Carbon Anthracite Co.....	1,736	8	.....	1
Mundell, J. W., & Son.....	488	4	.....	.....
Murrell, James.....	215	1	.....	.....
National Fuel Co.....	195,281	211	.....	29
Nix, J. D.....	162	2	.....	.....
Noftsgger, Cary.....	266	2	.....	.....
Nogo, John.....	443	2	.....	.....
North Park Coal Co.....	20,266	29	.....	.....
Nushaft Coal Co., Inc.....	32,355	35	2	7
Oberding, W. J.....	432	2	.....	.....
Ohio Creek Coal Co.....	844	2	.....	.....
Ojo Coal Mines, Inc.....	137	2	.....	.....
O. K. Coal Co.....	4,477	3	.....	3
Oliver Coal Co.....	78,864	65	.....	2
Owen, Louis.....	415	2	.....	.....
Palisade Clean Heat Coal Co.....	3,626	8	.....	.....
Paonia Farmers Coal Co.....	4,471	3	.....	.....
Paramount Coal Co.....	589	4	.....	.....
Park Coal Co.....	5,701	26	.....	1
Park, W. J.....	316	2	.....	1
Pasch, Chris.....	717	2	.....	.....
Patton, Lloyd L.....	4,441	8	.....	1
Peachey Coal Co.....	12,245	25	.....	1
Perino Coal Co.....	2,083	3	1	.....
Phelan, C. G.....	3,991	4	.....	4
Phillips, E. E.....	101	1	.....	.....
Pickard, Frank.....	2,010	3	.....	3
Pierce, F. E.....	4,613	5	.....	.....
Pierce, Thos. G.....	960	2	.....	.....
Pikes Peak Fuel Co.....	200,679	162	.....	25
Pine Cliff Coal Co.....	3,565	9	.....	1
Pine Gulch Coal Co.....	3,776	11	1	2
Pittsburgh Coal Co.....	2,021	5	.....	2

TABLE NO. 1—Continued

COMPANIES	Total Production	No. of Men Employed	No. of Fatal Accidents	Number of Non-Fatal Accidents
Placita Coal Mining Co.....	1,284	3	.....	.....
Pluto Coal Mining Co.....	18,004	22	.....	2
Pollard, C. F.....	2,319	2	.....	.....
Pollo, John, Jr.....	198	3	.....	.....
Premier Coal Co.....	3,561	5	.....	.....
Pryor Coal Mining Co.....	66,563	102	.....	6
Rainbow Coal Co.....	310	2	.....	.....
Raymond & Fennell.....	924	3	.....	.....
Ream, W. A., Coal Co.....	17,132	61	.....	.....
Red Ash Coal Co.....	10,031	22	.....	5
Regal Coal Co.....	9,944	14	.....	1
Rice, Arthur J.....	260	3	.....	.....
Reinau, R. C.....	1,253	2	.....	.....
Riggio, Nick.....	1,684	3	.....	.....
Riggs, W. E.....	1,171	4	.....	.....
Rinehart, C. W.....	6,930	7	.....	.....
Rocchio Coal Co.....	1,358	9	.....	.....
Rocky Mountain Fuel Co.....	466,051	594	.....	106
Rolfes, George T.....	4,612	7	.....	.....
Ross Coal Co.....	1,958	5	.....	.....
Rouse Coal Mining Co.....	*	.....	2	.....
Royal Gorge Coal Co.....	9,668	23	.....	.....
Ruiz, Pete.....	2,732	4	.....	1
Russell, W. E., Coal Co.....	58,170	89	.....	4
Sacco, Louie.....	216	3	.....	.....
Sanchez, Demetrio.....	1,450	2	.....	.....
Santarelli, Tony.....	26,099	28	.....	2
Scappucci, Dan.....	729	6	.....	.....
Schnicko, John.....	221	1	.....	.....
Sevcik & Evanich.....	275	2	.....	.....
Shamrock Coal Co. (Huerfano).....	1,997	3	.....	.....
Shamrock Coal Co. (Weld).....	53,654	67	.....	1
Sneddon, George & Roy.....	379	2	.....	.....
South Canon Mine Leasing Co.....	22,176	20	.....	1
Spencer, George S.....	100	1	.....	.....
Standard Coal Mines, Inc.....	11,562	87	.....	1
Staples, S. L., & Sons.....	349	1	.....	.....
States Hall Coal Co.....	2,386	5	.....	.....
Steele, George.....	920	4	.....	.....
Stove Canon Coal Co.....	7,415	6	.....	3
Streanan, John.....	3,246	5	.....	.....
Supancic, Louis.....	6,314	6	.....	.....
Temple Fuel Co.....	60,010	90	.....	10
Thomas, Adda E.....	1,859	4	.....	.....
Thor Fuel Co.....	20,323	26	.....	2
Tipotch, Frank.....	408	1	.....	.....
Tompkins, J. G., & Sons.....	1,845	3	.....	.....
Torrid Coal Mining Co. (Las Animas).....	6,000	9	.....	10
Triangle Coal Co.....	1,681	4	.....	.....
Tweeddale, Thos. W.....	429	2	.....	.....
U. S. Vanadium Corp.....	11,777	13	.....	4
Valcoal Mining Co.....	10,533	31	.....	1
Valley View Coal Co.....	1,502	3	.....	.....
Van Winkle Coal Co.....	3,690	3	.....	.....
Vickers Coal Co.....	82,149	122	.....	7

\*Supplement.



TABLE NO. 1—Continued

COMPANIES	Total Production	No. of Men Employed	No. of Fatal Accidents	Number of Non-Fatal Accidents
Victor-American Fuel Co.....	600,221	767	.....	129
Waugh, William.....	642	2	.....	.....
Webber, J. E.....	870	2	.....	.....
White River Valley Coal Co.....	600	2	.....	.....
Wilson, Claude H.....	515	5	.....	.....
Wilton, Wm. G.....	308	3	.....	.....
Zieseniss, Henry.....	1,464	2	.....	.....
TOTALS .....	7,195,395	9,449	24	905

## SUPPLEMENT

(Too late to be included in the above report)

COMPANIES	Total Production	No. of Men Employed	No. of Fatal Accidents	Number of Non-Fatal Accidents
Blay, Harry E.....	25	2	.....	.....
Clark, H. S.....	595	2	.....	.....
Coats, Milo.....	22	1	.....	.....
Economy Coal Co. (Jefferson).....	243	6	.....	.....
Electric Coal Co.....	936	2	.....	.....
Frodsham, Vincent.....	259	2	.....	.....
Gozzer, Pete.....	74	1	.....	.....
Gulliford, Fred.....	1,181	9	.....	.....
Henry & Coon.....	528	1	.....	.....
Himes, A. H.....	26	1	.....	.....
Jackson, J. C.....	42	2	.....	.....
Jackson, R. M.....	154	2	.....	.....
Jordan, Guy.....	421	3	.....	.....
Mandarich, Pete.....	15	2	.....	.....
Martin, Gus J.....	54	1	.....	.....
Rector, Rosa M.....	847	2	.....	.....
Reinau, Fred W.....	305	2	.....	.....
Roggero, Joe.....	684	2	.....	.....
Stander, Joe.....	275	2	.....	.....
Torrid Coal Mining Co. (Huerfano).....	577	7	.....	.....
Rouse Coal Mining Co.*.....	11,971	26	2	.....
White Ash Coal Co. (Weld).....	1,289	5	.....	.....
GRAND TOTALS .....	7,215,916	9,532	24	905
Increase .....	370,079	527	.....	.....
Decrease .....	.....	.....	5	243

\*Recorded above.

TABLE NO. 2

MINE FATALITIES BY CAUSES, 1932-1937

CAUSES	Years					
	1932	1933	1934	1935	1936	1937
<b>Underground:</b>						
1. Falls of roof (coal, rock, etc.) .....	8	7	8	10	3	9
2. Falls of face or pillar coal .....	4	3	5	1	11	6
3. Mine cars and locomotives .....	9	3	2	3	2	3
4. Gas explosives and burning gas.....	1	....	....	4	....	....
5. Coal-dust explosions (including gas and dust combined) .....	....	....	....	....	8	....
6. Explosives .....	1	....	....	1	1	1
7. Suffocation from mine gases .....	2	2	1	....	....	1
8. Electricity (shock or burns) .....	1	2	3	....	....	2
9. Animals .....	1	....	....	....	....	....
10. Mining machines.....	....	....	....	1	....	....
11. Mine fires (burned, suffocated, etc.) .....	....	....	....	....	....	....
12. Other causes.....	....	....	1	1	....	....
<b>Shaft:</b>						
13. Falling down shafts or slopes .....	1	....	....	2	....	....
14. Objects falling down shafts or slopes.....	....	....	....	....	....	....
15. Cages or skips.....	....	....	....	....	....	1
16. Other causes.....	....	....	....	....	....	....
Total underground.....	28	17	20	23	25	23
<b>Surface:</b>						
17. Mine cars and mine locomotives .....	....	....	....	1	....	....
18. Electricity (shock or burns) .....	....	....	....	....	1	....
19. Machinery .....	....	1	1	....	....	....
20. Boiler explosions or bursting steam pipes.....	....	....	....	....	....	....
21. Railway cars and locomotives .....	....	....	....	1	....	1
22. Other causes.....	1	2	....	1	3	....
Total .....	1	3	1	3	4	....
Grand Total .....	29	20	21	26	29	24





TABLE NO. 3

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 1937, 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 Num-ber of Tons Produced	Capacity of Mine Per Day, Tons
McBroom.....	Chas McBroom.....	Dyke.....	Sub-bituminous.....	47	1	86	217
Number	of mines operated: 1			47	1	86	

## BOULDER COUNTY

Hi-Way.....	Louisville-Lafayette Coal Co.....	Broomfield.....	Sub-bituminous.....	196	139	131,004	1,000
Centennial.....	Boulder Valley Coal Co.....	Louisville.....	Sub-bituminous.....	288	74	85,682	2,000
Industrial.....	Rocky Mountain Fuel Co.....	Superior.....	Sub-bituminous.....	134.9	172	81,292	800
Standard.....	Standard Coal Mines, Inc.....	Lafayette.....	Sub-bituminous.....	56	87	11,562	.....
Vulcan.....	Val Coal Mining Co.....	Lafayette.....	Sub-bituminous.....	82	41	10,533	.....
Monarch No. 2.....	National Fuel Co.....	Broomfield.....	Sub-bituminous.....	140	70	58,428	700
Black Diamond.....	Black Diamond Coal Co.....	Boulder.....	Sub-bituminous.....	303	55	55,076	450
Pluto No. 2.....	Pluto Coal M. Co.....	Boulder.....	Sub-bituminous.....	219	22	18,004	125
Lewis No. 2.....	N. M. Busheff.....	Gorham.....	Sub-bituminous.....	258	26	17,532	150
Gorham.....	Domestic Coal Co.....	Boulder.....	Sub-bituminous.....	211	17	10,241	100
Regal.....	W. A. Ream Coal Co.....	Louisville.....	Sub-bituminous.....	267	14	9,944	50
High View.....	High View Coal Co.....	Gorham.....	Sub-bituminous.....	195	10	7,898	45
Fireside.....	Ko-Z Coal Co.....	Louisville.....	Sub-bituminous.....	212	10	6,019	70
Cracker Jack.....	Cracker Jack Coal Co.....	Boulder.....	Sub-bituminous.....	217	13	5,648	.....
Eldorado.....	Eldorado Coal Co.....	Gorham.....	Sub-bituminous.....	202	8	4,854	60

## BOULDER COUNTY—Continued

Pine Cliff.....	Pine Cliff Coal Co.....	Boulder.....	Sub-bituminous.....	214	9	3,565	50
Premier.....	Premier Coal Co.....	Boulder.....	Sub-bituminous.....	250	5	3,561	15
Red Ash No. 2.....	Pittsburgh Coal Co.....	Gorham.....	Sub-bituminous.....	191	5	2,021	20
Northern.....	Northern Coal Co.....	Gorham.....	Sub-bituminous.....	147	3	2,010	.....
New Ross.....	Ross Coal Co.....	Gorham.....	Sub-bituminous.....	218	5	1,958	12
Liley.....	Liley & Merlino.....	Louisville.....	Sub-bituminous.....	67	13	721	10
Paramount.....	Paramount Coal Co.....	Lafayette.....	Sub-bituminous.....	65	4	589	.....
Number.....	of mines operated: 22.....			175.5	802	528,142	

## DELTA COUNTY

King.....	Juanita Coal & Coke Co.....	Bowie.....	Bituminous.....	137	60	45,479	1,000
Green Valley.....	Green Valley Coal Co.....	Cedaredge.....	Semi-bituminous.....	292	6	6,419	50
Paonia.....	Paonia Farmers Coal Co.....	Paonia.....	Bituminous.....	186	3	4,471	50
Red Canon.....	Red Canon Coal Co.....	Cedaredge.....	Semi-bituminous.....	262	8	4,441	40
Winton.....	Winton Coal Co.....	Austen.....	Bituminous.....	260	3	2,955	75
States-Red Mountain.....	States-Hall Coal Co.....	Cedaredge.....	Sub-bituminous.....	182	5	2,386	10
Independent.....	Independent Fuel Co.....	Cedaredge.....	Sub-bituminous.....	151	4	1,190	45
Black Diamond.....	Black Diamond Coal Co.....	Cedaredge.....	Sub-bituminous.....	179	2	772	.....
Western Star.....	Western Star Coal Co.....	Cedaredge.....	Sub-bituminous.....	124	1	511	10
Owen.....	Louis Owens.....	Lazeur.....	Bituminous.....	150	2	415	4
Gelwick.....	Lawrence & Spohr.....	Paonia.....	Bituminous.....	36	2	90	.....
Bennett.....	Bennett Coal Co.....	Hotchkiss.....	Sub-bituminous.....	14	2	53	.....
Number.....	of mines operated: 12.....			161.3	98	69,182	

## ELBERT COUNTY

Barker.....	Barker Coal Co.....	Matheson.....	Sub-bituminous.....	312	4	3,755	.....
Beaver Valley.....	J. M. Dalrymple.....	Agate.....	Sub-bituminous.....	120	3	1,869	10
Shea.....	Shea Coal Co.....	Matheson.....	Sub-bituminous.....	65	2	316	8
Number.....	of mines operated: 3.....			193.1	9	5,940	

TABLE NO. 3—Continued

## EL PASO 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
Pikeview.....	Pikes Peak Fuel Co.	Pikeview.....	Sub-bituminous.....	264	162	290,679	1,000
City Coal Mines.....	Colorado Springs Coal Co.	Colorado Springs.....	Sub-bituminous.....	278	53	51,241	400
Busy Bee.....	Busy Bee Coal Co.	Colorado Springs.....	Sub-bituminous.....	311	15	8,785	100
Altitude.....	Altitude Fuel Co.	Colorado Springs.....	Sub-bituminous.....	252	18	8,753	38
Corley No. 3.....	Corley Coal Co.	Colorado Springs.....	Sub-bituminous.....	144	17	6,402	150
Clara Belle.....	Clara Belle Coal Co.	Colorado Springs.....	Sub-bituminous.....	101	20	4,416	100
Jimmy Camp.....	Harry Unwin.....	Colorado Springs.....	Sub-bituminous.....	255	8	3,825	100
New Keystone.....	John Stretnan.....	Colorado Springs.....	Sub-bituminous.....	199	5	3,246	.....
Franceville.....	Franceville Coal Co.	Colorado Springs.....	Sub-bituminous.....	90	15	2,972	50
Climax.....	Danville Coal Co.	Colorado Springs.....	Sub-bituminous.....	239	2	2,731	11
Cottonwood.....	Cottonwood Coal Co.	Colorado Springs.....	Sub-bituminous.....	113	2	275	.....
Number.....	of mines operated: 11	.....	.....	243	317	293,325	.....

## FREMONT COUNTY

Chandler.....	Victor-American Fuel Co.	Chandler.....	Bituminous.....	172.7	271	131,506	850
Rockvale No. 3.....	Colorado Fuel & Iron Corp.	Canon City.....	Bituminous.....	259	94	75,324	500
Canon Black Diamond.....	Canon Black Diamond Coal Co.	Florence.....	Bituminous.....	264	49	42,456	.....
Cedar Canon.....	Giuliano & Carpine Coal Co.	Florence.....	Bituminous.....	152	57	30,311	275
Double Dick.....	Double Dick Coal Co.	Florence.....	Bituminous.....	216	28	26,099	100
Canon Monarch.....	Canon Monarch Coal Co.	Florence.....	Bituminous.....	255	42	21,926	150
Nushaft.....	Nushaft Canon Coal Co.	Coal Creek.....	Bituminous.....	214	27	18,389	100
Bluff Springs.....	Bluff Springs Leasing Co.	Florence.....	Bituminous.....	209	33	16,074	150
Rex Carbon.....	Nushaft Coal Co.	Coal Creek.....	Semi-bituminous.....	185	14	13,966	100
American Independent No. 1.....	American Independent Coal Co.	Florence.....	Semi-bituminous.....	113	22	12,587	63

## FREMONT COUNTY—Continued

American Independent No. 3.....	American Independent Coal Co.	Florence.....	Bituminous.....	164	26	3,225	75
Caldirola.....	Caldirola Coal Co.	Florence.....	Bituminous.....	130	27	11,706	200
Griffiths.....	Griffiths Coal Co.	Canon City.....	Bituminous.....	182	19	11,329	.....
Royal Gorge.....	Royal Gorge Coal Co.	Canon City.....	Bituminous.....	155	23	9,668	125
Manley.....	Manley Coal M. Co.	Canon City.....	Bituminous.....	242	16	7,842	75
Canon Zenith.....	Canon Zenith Coal Co.	Florence.....	Bituminous.....	240	10	6,653	35
Canon Tiger.....	Hiland Coal Mines, Inc.	Florence.....	Semi-bituminous.....	225	9	4,772	50
Brookside.....	Brookside Coal M. Co.	Florence.....	Semi-bituminous.....	141	14	4,595	40
Canon Red Arrow.....	Canon Red Arrow Coal Co.	Florence.....	Bituminous.....	146	6	4,348	100
Grand Prize.....	Grand Prize Coal Co.	Canon City.....	Bituminous.....	208	14	4,304	.....
Canon Chief.....	Dominic Moschetti	Florence.....	Bituminous.....	138	5	4,008	.....
Pine Gulch.....	Pine Gulch Coal Co.	Florence.....	Bituminous.....	174	11	3,776	.....
Cuckoo.....	Cuckoo Coal Co.	Canon City.....	Bituminous.....	128	16	3,304	.....
Canon Black Hawk.....	Black Hawk Coal Co.	Canon City.....	Bituminous.....	198	11	3,291	80
Canon Imperial.....	Canon Imperial Coal Co.	Coal Creek.....	Bituminous.....	172	9	2,691	25
Little Johnny.....	Little Johnny Coal Co.	Florence.....	Semi-bituminous.....	130.5	8	2,574	25
Evans.....	Evans Coal Co.	Florence.....	Semi-bituminous.....	198	8	2,467	25
Bald.....	J. Bald & Co.	Florence.....	Bituminous.....	119	12	2,322	50
Corley No. 6.....	Corley Coal Co.	Florence.....	Bituminous.....	52	23	2,339	100
Newlan Creek.....	Perino Coal Co.	Florence.....	Bituminous.....	225	3	2,083	15
Horseshoe.....	Canon Blue Ribbon Coal Co.	Florence.....	Bituminous.....	241	9	1,905	50
Canon Ideal.....	Canon Ideal Coal Co.	Coal Creek.....	Semi-bituminous.....	240	3	1,689	.....
Fawn Hollow.....	Fawn Hollow Coal Co.	Canon City.....	Bituminous.....	172	6	1,655	.....
Canon Peacock.....	Canon Peacock Coal Co.	Florence.....	Bituminous.....	130	8	1,582	30
Mountain View.....	Mountain View Coal Co.	Florence.....	Semi-bituminous.....	61	9	1,358	.....
Canon Liberty.....	Canon Liberty Coal Co.	Canon City.....	Semi-bituminous.....	109	5	1,194	.....
Moschetti.....	Tony Moschetti	Florence.....	Semi-bituminous.....	85	6	898	.....
Dutch Oven.....	Joe Baione.....	Canon City.....	Bituminous.....	146	4	699	10
Florence.....	Florence Coal Co.	Rockvale.....	Bituminous.....	124	2	516	10
Canon Majestic.....	Majestic Coal Co.	Canon City.....	Semi-bituminous.....	134	4	435	.....
Willie No. 2.....	James Bros.	Florence.....	Bituminous.....	149	2	426	3
Canon Coal Creek.....	Canon Coal Creek Co.	Coal Creek.....	Bituminous.....	55	4	291	.....
Wolf Park No. 2.....	Canon Reliance Coal Co.	Canon City.....	Bituminous.....	115	4	282	.....
Canon King.....	Canon King Coal Co.	Canon City.....	Bituminous.....	89	2	271	.....
White Ash.....	McKilup & Cox	Florence.....	Semi-bituminous.....	87	1	251	.....
Bassick No. 2.....	L. W. Creager.....	Rockvale.....	Semi-bituminous.....	113	1	214	.....
Number.....	of mines operated: 46.			184	977	499,571	

TABLE NO. 3—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.....	318	20	22,176	100
New Castle.....	W. G. McDonald.....	New Castle.....	Bituminous.....	249.5	6	12,022	20
Stove Canon.....	Stove Canon Coal Co.....	Fruita.....	Bituminous.....	279	6	7,415	80
Carbonera.....	Barbour Coal Co.....	Nack.....	Bituminous.....	176	9	7,153	60
Ziesenis.....	Henry Ziesenis.....	Rifle.....	Bituminous.....	216.5	2	1,464	30
Harvey Gap.....	James LeDonne.....	Silt.....	Bituminous.....	222	2	897	.....
Estes.....	Estes Bros.....	Rifle.....	Bituminous.....	139	2	705	.....
Diamond.....	Diamond Fuel Co.....	Glenwood Springs..	Bituminous.....	61	2	410	30
Monger.....	N. H. Halcomb.....	Fruita.....	Bituminous.....	140	2	400	20
I. H. I.....	R. W. Ingles.....	Rifle.....	Bituminous.....	96	1	337	100
Silt.....	Llewellyn Coal Co.....	Silt.....	Bituminous.....	111	2	204	.....
Ohkraut.....	Frank DeBoy.....	Glenwood Springs..	Bituminous.....	116	1	176	.....
Number	of mines operated: 12			242	55	53,359	

## GUNNISON COUNTY

Crested Butte.....	Colorado Fuel & Iron Corp.....	Crested Butte.....	Bituminous.....	208	272	280,054	1,400
Somerset.....	Calumet Fuel Co.....	Somerset.....	Bituminous.....	193.2	175	202,422	1,400
Oliver.....	Oliver Coal Co.....	Somerset.....	Bituminous.....	194.3	65	78,864	500
Alpine.....	Rocky Mountain Fuel Co.....	Baldwin.....	Semi-bituminous.....	125	54	38,941	350
New Baldwin.....	Rocky Mountain Fuel Co.....	Baldwin.....	Semi-bituminous.....	167	12	2,892	50
Bulkley No. 3.....	Crested Butte Coal Co.....	Crested Butte.....	Semi-bituminous.....	193.5	33	28,332	200
Bear.....	Bear Coal & Coke Co.....	Somerset.....	Semi-bituminous.....	152	21	18,525	200
Lone Pine.....	Edwards Coal Co.....	Somerset.....	Semi-bituminous.....	171	4	2,378	25
Horace.....	Gunnison Anthracite Co.....	Gunnison.....	Anthracite.....	94	9	1,981	40
Richardson.....	Mt. Carbon Anthracite Co.....	Gunnison.....	Anthracite.....	209	8	1,736	50



## GUNNISON COUNTY—Continued

	Number	of mines operated: 15						
Hawks Nest.....		Hawks Nest Coal Co.....	Somerset.....	Bituminous.....	117	8	1,597	40
Ohio Creek.....		Ohio Creek Coal Co.....	Gunnison.....	Bituminous.....	124	2	844	
Star.....		Baldwin Fuel Co.....	Baldwin.....	Semi-bituminous.....	82	2	729	25
Carbon Creek.....		Carbon Creek Coal Co.....	Gunnison.....	Bituminous.....	211	2	642	
K. D. Coal Co.....		K. D. Coal Co.....	Gunnison.....	Bituminous.....	124	1	349	5
					196	668	660,286	

## HUERFANO COUNTY

Robinson No. 4.....		Colorado Fuel & Iron Corp.....	Farr.....	Bituminous.....	238	194	203,511	800
Kebley No. 2.....		Colorado Fuel & Iron Corp.....	Triega.....	Bituminous.....	228	228	190,487	800
Calumet No. 2.....		Calumet Fuel Co.....	Delcarbon.....	Bituminous.....	157.5	135	99,282	800
Pryor.....		Pryor Coal M. Co.....	Pryor.....	Bituminous.....	176.1	102	66,563	500
Gordon.....		Gordon Coal Co.....	Alamo (Star Route).....	Bituminous.....	207	53	39,090	400
Ravenwood.....		Caliente Coal Co.....	Ravenwood.....	Bituminous.....	175	91	32,992	300
Maitland.....		Caliente Coal Co.....	Walsenburg.....	Bituminous.....	139	58	14,611	300
(Vesta) Morning Glory.....		Minnequa Fuel Co.....	Walsenburg.....	Bituminous.....	179	34	28,298	250
Butte Valley (Alamo).....		Butte Valley Coal Co.....	Walsenburg.....	Bituminous.....	34	101	16,212	500
Toltec.....		Aztec Coal M. Co.....	Toltec.....	Bituminous.....	113.5	52	12,968	200
Major.....		Major Coal Co.....	Walsenburg.....	Bituminous.....	222	22	11,748	100
Black Hawk.....		Black Hawk Coal Co.....	Walsenburg.....	Bituminous.....	206	29	10,735	
Leader No. 2.....		Red Ash Coal Co.....	Walsenburg.....	Bituminous.....	233	22	10,037	60
Ojo Canon.....		Peachey Coal Co.....	La Veta (Star Route).....	Bituminous.....	224	22	7,709	50
Spanish Peak.....		W. A. Ream Coal Co.....	Triega.....	Bituminous.....	73	26	5,953	200
Nugget.....		Joe Maloney.....	Rugby.....	Bituminous.....	176	14	4,380	50
Caddell No. 3.....		Ed Caddell.....	Walsenburg.....	Bituminous.....	178	9	2,177	20
Shamrock.....		Shamrock Coal Co.....	Triega.....	Bituminous.....	181	3	1,997	25
George No. 2.....		Sam George & Sons.....	La Veta.....	Bituminous.....	203	3	1,845	
George No. 3.....		Sam George & Sons.....	La Veta.....	Bituminous.....	40	2	312	
Midnight.....		Midnight Coal Co.....	Walsenburg.....	Bituminous.....	161	6	1,639	
Spring Canon.....		Spring Canon Coal Co.....	Walsenburg.....	Bituminous.....	127	4	1,561	20
Blue Blaze.....		Blue Blaze Coal Co.....	Pryor.....	Bituminous.....	160	10	1,365	20
Niggerhead.....		Peachey Coal Co.....	La Veta.....	Bituminous.....	172	4	1,332	25
Tompkins.....		Peachey Coal Co.....	La Veta.....	Bituminous.....	130	2	1,106	25



TABLE NO. 3—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
Strawberry.....	Strawberry Coal Co.	Walsenburg.....	Bituminous.....	185	3	1,067	.....
Sun.....	Geo. and Roy Sheddell.....	La Veta.....	Bituminous.....	148	2	379	.....
New Oak View.....	New Oakview Coal Co.	La Veta.....	Bituminous.....	20	2	275	.....
Murrell.....	James Murrell.....	La Veta.....	Bituminous.....	98	1	215	.....
Occidental.....	Peachey Coal Co.	La Veta.....	Bituminous.....	53	3	206	.....
Occidental No. 2.....	Peachey Coal Co.	La Veta.....	Bituminous.....	53	3	137	.....
Fern.....	Faultless Coal Co.	La Veta.....	Bituminous.....	46	3	189	.....
C. O. D. No. 2.....	Ojo Coal Mines, Inc.	La Veta.....	Bituminous.....	150	2	137	.....
Number	of mines operated: 33			177	1,247	770,515	

## JACKSON COUNTY

Moore.....	North Park Coal Co.	Coalmont.....	Sub-bituminous.....	212	29	20,266	250
Marr.....	George M. Barnell.....	Walden.....	Sub-bituminous.....	200	4	3,807	50
Number	of mines operated: 2			210	33	24,073	

## JEFFERSON COUNTY

Leyden No. 3.....	Leyden Lignite Co.	Denver.....	Sub-bituminous.....	234	114	140,562	700
Caprock.....	Caprock Fuel Co.	Walsenburg.....	Sub-bituminous.....	243	14	27,014	200
Virginia.....	Jefferson Coal Co.	Littleton.....	Sub-bituminous.....	283	9	7,830	100
Van Winkle.....	Van Winkle Coal Co.	Golden.....	Sub-bituminous.....	260	3	3,690	25
Number	of mines operated: 4			239	140	179,096	

## LA PLATA COUNTY

Castle.	Durango.	Bituminous	294	20	15,419
Sunshine.	Durango.	Bituminous	231	5	4,613
O. K.	Durango.	Bituminous	183	8	4,477
Black Diamond	Durango.	Bituminous	184	6	3,778
Morning Star	Durango.	Bituminous	179	5	3,200
Triangle.	Durango.	Bituminous	120	4	1,681
Klondyke.	Hesperus	Bituminous	197	4	1,626
Valley View	Mancos	Bituminous	194	3	1,502
Peacock (Henderson)	Hesperus	Bituminous	101	4	1,472
Hunt.	Hesperus	Bituminous	114	4	1,123
Peerless	Durango.	Bituminous	144	2	960
Fire Glow	Durango.	Bituminous	83	1	529
Durango	Durango	Bituminous	120	2	459
Shamrock	Bayfield.	Bituminous	137	2	428
Tipotsch	Hesperus	Bituminous	122	1	408
Soda Springs	Kline.	Bituminous	72	3	354
Elledge Dill	Durango.	Bituminous	129	2	346
Hay Gulch	Hesperus	Bituminous	99	3	277
Excelsior	Bayfield	Bituminous	101	3	177
Ft. Lewis.	Kline.	Bituminous	50	2	156
Number	of mines operated:		180	84	42,985

## LARAMIE COUNTY

Number	of mines operated: 3	Carr	Sub-bituminous	200	4	1,919	20
Ideal	Ideal Coal Co.	Carr	Sub-bituminous	90	2	443	3
White Rose	John Nogo	Carr	Sub-bituminous	55	2	162	
Benson	Lowe Coal Co.	Carr	Sub-bituminous	136	8	2,524	

TABLE NO. 3—Continued  
LAS ANIMAS COUNTY

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Number Worked	Average No. of Men Employed	Total Number of Tons Produced	Capacity of Mine Per Day, Tons
Frederick.....	Colorado Fuel & Iron Corp.	Valdez.....	Bituminous.....	234	632	545,801	2,500
Morley.....	Colorado Fuel & Iron Corp.	Morley.....	Bituminous.....	197.6	270	164,604	1,000
Delagua.....	Victor-American Fuel Co.	Delagua.....	Bituminous.....	158	189	197,688	1,500
Boncarbo.....	American Smelting & Ref. Co.	Cokedale.....	Bituminous.....	151	170	127,685	1,500
Kenneth.....	Vickers Coal Co.	Rugby.....	Bituminous.....	200	122	32,249	550
Brodhead No. 9.....	Temple Fuel Co.	Brodhead.....	Bituminous.....	220	90	64,010	400
Ludlow.....	Huerfano Coal Co.	Ludlow.....	Bituminous.....	112	81	42,390	500
Creston.....	Jewell Collieries Corp.	Aguilar.....	Bituminous.....	152	65	37,056	250
Bear Canon No. 6.....	Bear Canon Coal Co.	Vallorso.....	Bituminous.....	105	43	28,555	500
Sopris No. 1.....	Deldosso Coal Co.	Sopris.....	Bituminous.....	205.2	42	26,421	100
Dix.....	Dick Coal Co.	Boncarbo.....	Bituminous.....	156	28	24,103	200
Thor.....	Thor Fuel Co.	Trinidad (Rte. No. 2).....	Bituminous.....	160	26	20,323	150
Rapson.....	Pio Micheli.....	Rugby.....	Bituminous.....	195	21	12,712	300
Baldy.....	Meggison & Littleton.....	Trinidad.....	Bituminous.....	204	16	12,065	70
Anchor.....	W. A. Ream Coal Co.	Trinidad.....	Bituminous.....	91	43	11,179	150
Torrid.....	Torrid Coal Co.	Rugby.....	Bituminous.....	189	9	6,000	.....
Aguilar Black Diamond.....	Aguilar Black Diamond Coal Co.	Trinidad.....	Bituminous.....	118	6	3,535	75
Morasky.....	Joe Morasky.....	Trinidad.....	Bituminous.....	254	5	2,879	10
Bowen.....	Home Fuel & Supply Co.	Trinidad.....	Bituminous.....	231	4	2,705	20
Prisco.....	Alex Abeyta.....	Trinidad.....	Bituminous.....	175	5	2,401	14
Starkville.....	Starkville Coal Co.	Trinidad.....	Bituminous.....	207	4	2,372	.....
Lakeview.....	Nick Riggo.....	Trinidad.....	Bituminous.....	215	3	1,684	.....
Jeffries.....	Jeffries Fuel Co.	Trinidad.....	Bituminous.....	162	3	1,587	50
Sanchez.....	Dementrio Sanchez.....	Boncarbo.....	Bituminous.....	186	2	1,450	7
Daisy.....	Daisy Coal Co.	Aguilar.....	Bituminous.....	197	3	1,263	6

## LAS ANIMAS COUNTY—Continued

Gem.....	Giordano Coal Co.....	Trinidad.....	Bituminous.....	135	5
Garcia.....	Benito Garcia.....	Boncarbo.....	Bituminous.....	130	2
Forbes No. 9.....	W. E. Riggs.....	Trinidad.....	Bituminous.....	222	2
Forbes No. 10.....	W. E. Riggs.....	Trinidad.....	Bituminous.....	130	2
Highway.....	Dan Scappucci.....	Agular.....	Bituminous.....	118	6
Liberty.....	Liberty Coal Co.....	Agular.....	Bituminous.....	135	2
Martorano.....	Martorano & Sons.....	Sopris.....	Bituminous.....	47	3
Santa Fe.....	Santa Fe Coal Co.....	Trinidad.....	Bituminous.....	72	2
Rainbow.....	Rainbow Coal Co.....	Trinidad.....	Bituminous.....	68	2
Beshoar.....	W. G. Wilton.....	Trinidad.....	Bituminous.....	90	3
Sunrise.....	Sunrise Coal Co.....	Trinidad.....	Bituminous.....	90	2
Bloom.....	Trinidad Supply Coal Co.....	Trinidad.....	Bituminous.....	140	2
Number.....	of mines operated: 37			231	1,916
					1,429,531

## MESA COUNTY

Cameo.....	Kerr Coal Co.....	Cameo.....	Bituminous.....	229	36
Garfield.....	Garfield Coal Co.....	Palisade.....	Bituminous.....	192	16
River View.....	Louis Supancic.....	Palisade.....	Bituminous.....	255	6
Mt. Garfield.....	B. Gearhart.....	Palisade.....	Bituminous.....	239	7
Blue Flame.....	Martin Coal Co.....	Palisade.....	Bituminous.....	262	3
Palisade.....	Palisade Clean Heat Coal Co.....	Palisade.....	Bituminous.....	163	8
McGinley.....	McGinley Coal Co.....	Grand Junction.....	Bituminous.....	131	2
Winger.....	Clarke Coal Co.....	Palisade.....	Bituminous.....	129	3
Farmers No. 1.....	Farmers Coal Co.....	Palisade.....	Bituminous.....	191	4
Midwest.....	Midwest Red Arrow Coal Co.....	Palisade.....	Bituminous.....	161	5
Thomas.....	Arthur R. Huthman.....	Grand Junction.....	Bituminous.....	191	4
Riverside.....	Riverside Coal Co.....	Grand Junction.....	Bituminous.....	137	4
Hidden Treasure.....	Hidden Treasure Coal Co.....	Fruita.....	Bituminous.....	144	2
Nearing.....	Mesa County Quality Coal Co.....	Fruita.....	Bituminous.....	186	2
Williams.....	Monarch Coal Co.....	Grand Junction.....	Bituminous.....	181	3
Mundell.....	J. W. Mundell & Son.....	Grand Junction.....	Bituminous.....	90	4
Anchor.....	Anchor Coal Co.....	Fruita.....	Bituminous.....	66	3
Stokes.....	W. D. Stokes.....	Fruita.....	Bituminous.....	32	4
Marinelli.....	Mike Marinelli.....	Fruita.....	Bituminous.....	52	3
Jarvis.....	Clarence Allen.....	Grand Junction.....	Bituminous.....	66	3
Number.....	of mines operated: 20			181	122
					79,638

TABLE NO. 3—Continued

## MOFFAT COUNTY

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Number of Days Worked	Average No. of Men Employed	Total Num- ber of Tons Produced	Capacity of Mine Per Day, Tons
Black Giant (Streeter).....	Domestic Coal Co.....	Axial.....	Bituminous.....	245	5	7,687	.....
Knez.....	Knez Coal Co.....	Craig.....	Bituminous.....	292	5	7,164	.....
Shaver (now) Mt. Streeter.....	Mt. Streeter Coal Co.....	Axial.....	Bituminous.....	313	4	3,991	50
Baker.....	John Babb, Jr.....	Craig.....	Bituminous.....	200	3	921	8
Wisconsin.....	Wisconsin Coal Co.....	Lay.....	Bituminous.....	95	1	221	6
Community.....	E. O. Medlock.....	Craig.....	Bituminous.....	82	1	162	2
Number	of mines operated: 6			248	19	20,146	

## MONTEZUMA COUNTY

Mancos.....	Mancos Coal Co.....	Mancos.....	Bituminous.....	213	3	1,846	35
Pinos Altos.....	W. R. Glover.....	Mancos.....	Bituminous.....	200	3	764	10
Cortez.....	A. F. Hopper.....	Cortez.....	Bituminous.....	112	3	740	.....
Montezuma.....	Walter Kingery.....	Cortez.....	Bituminous.....	117	5	515	15
Dolores.....	Dominic Gorbella.....	Dolores.....	Bituminous.....	59	2	134	.....
Spencer.....	Geo. S. Spencer.....	Mancos.....	Bituminous.....	50	1	100	2
Number	of mines operated: 6			137	17	4,099	



## MONTROSE COUNTY

U. S. Vanadium Independence..... Liberty Bell..... Rice.....	U. S. Vanadium Corp. Wm. J. Oberding King & Mitchell Arthur J. Rice..... of mines operated: 4.....	Uravan..... Nucla..... Naturita..... Montrose.....	Sub-bituminous..... Sub-bituminous..... Sub-bituminous..... Sub-bituminous.....	235 120 115 90 190	13 2 2 3 20	11,777 432 343 260 12,812
Number.....						

## PITKIN COUNTY

Placita.....	Placita Coal Co..... of mines operated: 1.....	Carbondale.....	Bituminous.....	132 132	3 3	1,284 1,284
Number.....						

## RIO BLANCO COUNTY

New Pollard..... Rehman..... Pollard..... McKee..... Johnny Boy..... Nine Mile.....	C. F. Pollard..... R. C. Rehman..... G. G. Hart & Sons..... White River Valley Coal Co. Boyd F. Crawford..... Thos. D. Foreman..... of mines operated: 6.....	Meeker..... Meeker..... Meeker..... Meeker..... Meeker..... Meeker.....	Bituminous..... Bituminous..... Bituminous..... Bituminous..... Bituminous..... Bituminous.....	239 256 127 200 90 90 167	2 2 2 2 2 2 12	2,319 1,253 748 600 305 259 5,484
Number.....						

## ROUTT COUNTY

Harris..... Moffat Nos. 1 and 2..... Oak Hills No. 2..... Hayden No. 3..... Pinnacle.....	Colorado & Utah Coal Co. Moffat Coal Co. Moffat Coal Co. Hayden Coal Co. Victor-American Fuel Co.	Mt. Harris..... Oak Creek..... Oak Creek..... Haybro..... Oak Creek.....	Bituminous..... Bituminous..... Bituminous..... Bituminous..... Bituminous.....	143.5 172 62 136.2 167.8	229 285 51 178 175	2,272,216 190,045 6,481 162,606 153,429
						2,000 4,000 300 1,000 1,000

TABLE NO. 3—Continued  
ROUTT COUNTY—Continued

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Number of Days Worked	Average No. of Men Employed	Total Num- ber of Tons Produced	Capacity of Mine Per Day, Tons
Wadge.....	Victor-American Fuel Co.....	Mt. Harris.....	Bituminous.....	192	132	117,598	1,000
Keystone.....	Keystone Coal Co.....	Routt.....	Bituminous.....	117	117	72,148	800
Bear River.....	Bear River Coal Co.....	Bear River.....	Bituminous.....	142	78	60,602	800
McNeil.....	McNeill Coal Corp.....	McGregor.....	Bituminous.....	193	9	9,652	50
Babson.....	Babson Coal Co.....	Hayden.....	Bituminous.....	240	4	5,006	30
Argo Gulch.....	George T. Rolfes.....	Oak Creek.....	Bituminous.....	243	6	4,342	30
Hayden Valley.....	George T. Rolfes.....	Oak Creek.....	Bituminous.....	155	1	270	50
Black Cat.....	Hayden Valley Mutual Coal Co.....	Hayden.....	Bituminous.....	120	7	4,191	50
Butcher Knife.....	Black Cat Coal Co.....	Bear River.....	Bituminous.....	268	3	2,842	50
	Frank Coryell.....	Bear River.....	Bituminous.....	120	13	1,165	10
Apex.....	Geo. Steel Co.....	Oak Creek.....	Bituminous.....	122	4	920	10
Webber.....	J. E. Webber.....	Pagoda.....	Bituminous.....	62	2	870	10
Edna.....	Chris Pasch.....	Oak Creek.....	Bituminous.....	70	2	717	10
Big Mack.....	J. M. Childress.....	Oak Creek.....	Bituminous.....	65	2	594	10
Seven Points.....	E. Gwynn.....	Phippsburg.....	Bituminous.....	75	2	449	12
Walter Bruce.....	Noftsgar & Chavis.....	Hayden.....	Bituminous.....	140	2	266	10
Jones.....	R. C. Jones.....	Bear River.....	Bituminous.....	50	2	236	10
Morgan.....	John Pollo, Jr.....	Steamboat Springs.....	Bituminous.....	108	3	198	15
Johnson.....	J. F. Johnson.....	Dunkley.....	Bituminous.....	34	1	149	5
Towe Creek.....	Burchfield & Clark.....	Bear River.....	Bituminous.....	120	2	139	5
Number	of mines operated: 25.....			155	1,310	1,022,131	

SAN MIGUEL COUNTY

Keck.....	Keck Coal Co.....	Norwood.....	Bituminous.....	133	3	567	10
O. K.....	W. H. Knowlton.....	Norwood.....	Bituminous.....	130	2	418	10
Number	of mines operated: 2.....			131	5	985	



## WELD COUNTY

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Number Worked Days	Average No. of Men Employed	Total Number of Tons Produced	Capacity of Mine Per Day, Tons
Columbine	Rocky Mountain Fuel Co.	Serene	Sub-bituminous	244	257	234,209	800
Grant	Rocky Mountain Fuel Co.	Frederick	Sub-bituminous	296.8	103	108,717	1,000
Boulder Valley	Boulder Valley Coal Co.	Erie	Sub-bituminous	161.5	170	187,088	1,500
Imperial	Imperial Coal Co.	Erie	Sub-bituminous	203	149	183,056	1,200
Puritan	National Fuel Co.	Erie	Sub-bituminous	133.7	141	136,853	1,300
Clayton	Clayton Coal Co.	Erie	Sub-bituminous	168	165	129,406	1,000
Morrison	Clayton Coal Co.	Erie	Sub-bituminous	157	147	120,283	1,500
Baum	Consolidated Coal & Coke Co.	Erie	Sub-bituminous	191	114	110,793	1,000
Sterling	McNeil Coal Corp.	Dacono	Sub-bituminous	166	104	103,202	1,000
Russell	Russell Coal Co.	Frederick	Sub-bituminous	124	89	58,170	600
Shamrock	Shamrock Coal Co.	Erie	Sub-bituminous	116.9	67	53,654	700
Evans	American Fuel Co.	Frederick	Sub-bituminous	162	37	25,043	150
Graden	Graden Coal Co.	Frederick	Sub-bituminous	221	27	24,397	100
Monroe	Park Coal Co.	Longmont	Sub-bituminous	93.5	26	5,701	100
La Salle	La Salle Coal Co.	Greeley	Sub-bituminous	223	7	2,598	20
Bohlender	Bohlender Coal Co.	La Salle	Sub-bituminous	211	6	2,521	50
Buddy	Buddy Coal Co.	La Salle	Sub-bituminous	177	4	1,937	50
Diamond	Diamond Coal Co.	La Salle	Sub-bituminous	168.5	4	1,748	50
Witherbee	Witherbee Coal Co.	Ft. Lupton	Sub-bituminous	78	8	360	50
Comet	Comet Coal Co.	Eaton	Sub-bituminous	111	2	296	50
Galeton	Galeton Coal Co.	Galeton	Sub-bituminous	23	1	101	50
Tamoc	Tamoc Coal Co.	Cornish	Sub-bituminous	70	2	87	50
Number	of mines operated: 22.			177	1,630	1,490,220	

## GRAND TOTAL

Number of mines operated	313
Number of man-days worked	201.9
Average number of employed in and about mines	9,449
Total tons of coal produced	7,195,395

## PRODUCTION BY COUNTIES BY MONTHS—1937

Month	Archuleta	Boulder	Delta	Elbert	El Paso	Fremont
January -----	---	77,340	9,704	936	42,882	73,881
February -----	---	60,994	8,782	761	33,882	60,947
March -----	---	58,474	7,073	635	38,398	50,457
April -----	---	17,788	3,036	251	20,238	19,781
May -----	---	14,611	2,956	80	14,440	13,287
June -----	---	16,647	2,732	43	13,144	15,030
July -----	---	14,570	1,982	25	11,565	14,019
August -----	---	19,031	3,431	38	11,315	24,653
September -----	---	45,573	4,971	193	17,350	45,053
October -----	---	56,692	7,192	846	22,867	55,939
November -----	---	62,675	7,970	889	30,107	54,464
December -----	117	83,747	9,353	1,243	37,137	72,060
Total -----	117	528,142	69,182	5,940	293,325	499,571

Month	Garfield	Gunnison	Huerfano	Jackson	Jefferson	La Plata
January -----	6,597	73,629	91,851	3,120	20,713	5,557
February -----	5,871	68,774	91,051	2,550	17,918	4,562
March -----	4,981	58,470	97,148	2,335	19,264	4,288
April -----	2,862	33,095	22,946	726	10,403	2,838
May -----	2,333	51,608	43,119	565	11,642	1,736
June -----	1,991	34,645	41,236	694	9,343	1,265
July -----	1,910	25,271	51,525	529	10,841	1,511
August -----	2,701	57,499	50,666	668	12,485	1,868
September -----	4,433	63,357	60,398	2,117	12,164	2,635
October -----	5,681	65,378	73,907	3,928	15,442	4,952
November -----	6,285	61,953	72,086	3,350	18,497	4,654
December -----	7,714	66,607	74,582	3,491	20,334	7,119
Total -----	53,359	660,286	770,515	24,073	179,046	42,985

Month	Larimer	Las Animas	Mesa	Moffat	Monte-zuma	Montrose
January -----	502	143,081	10,699	1,698	492	198
February -----	323	140,033	11,800	1,357	483	128
March -----	251	155,664	11,129	1,016	230	139
April -----	99	90,143	3,421	767	76	1,140
May -----	---	109,634	2,631	226	163	1,170
June -----	---	134,447	2,532	451	256	1,113
July -----	---	123,498	2,001	454	161	1,117
August -----	---	111,986	3,910	871	147	1,454
September -----	279	113,774	5,940	2,229	299	1,252
October -----	307	100,186	7,216	2,745	503	1,286
November -----	319	107,904	8,506	3,239	456	1,503
December -----	444	99,181	9,853	5,093	833	2,312
Total -----	2,524	1,429,531	79,638	20,146	4,099	12,812

Month	Pitkin	Rio Blanco	Routt	San Miguel	Weld	Total
January -----	162	1,059	146,750	167	239,696	950,714
February -----	206	620	139,647	141	176,185	827,015
March -----	146	360	86,856	96	174,487	771,897
April -----	---	313	23,219	81	50,634	303,857
May -----	---	177	44,547	39	50,021	364,985
June -----	92	204	33,788	31	54,986	364,670
July -----	108	108	24,332	6	51,183	336,716
August -----	40	185	47,813	29	57,014	407,804
September -----	120	268	91,504	74	114,894	588,877
October -----	130	437	128,448	124	150,875	705,081
November -----	130	353	116,883	125	172,441	734,789
December -----	150	1,400	138,344	72	197,804	838,990
Total -----	1,284	5,484	1,022,131	985	1,490,220	7,195,395

# SHOWING INCREASE AND DECREASE OF COAL PRODUCTION BY COUNTIES—1936-1937

Counties	1936	1937	Increase	Decrease
Archuleta -----	217	117	----	100
Boulder -----	498,406	528,142	29,736	----
Delta -----	66,808	69,182	2,874	----
Elbert -----	4,766	5,940	1,174	----
El Paso -----	291,751	293,325	1,574	----
Fremont -----	497,296	499,571	2,275	----
Garfield -----	46,906	53,359	6,453	----
Gunnison -----	628,932	660,286	31,354	----
Huerfano -----	777,021	770,515	----	6,506
Jackson -----	25,440	24,073	----	1,367
Jefferson -----	168,124	179,046	10,922	----
La Plata -----	36,901	42,985	6,084	----
Larimer -----	3,177	2,524	----	653
Las Animas -----	1,226,426	1,429,531	203,105	----
Mesa -----	68,216	79,638	11,422	----
Moffat -----	10,059	20,146	10,087	----
Montezuma -----	5,157	4,099	----	1,058
Montrose -----	1,388	12,812	11,424	----
Ouray -----	333	----	----	333
Pitkin -----	1,652	1,284	----	368
Rio Blanco -----	6,703	5,484	----	1,219
Routt -----	1,002,416	1,022,131	19,715	----
San Miguel -----	1,565	985	----	580
Weld -----	1,476,677	1,490,220	13,543	----
Total -----	6,845,837	7,195,395	349,558	----
Increase for 1937 -----			349,558	

# SHOWING BY COUNTIES PRODUCTION OF 1937 IN PREPARED SIZES

Counties	Mine Run	Lump	Egg	Nut	Pea	Slack	Total
Archuleta -----	117	-----	-----	-----	-----	-----	117
Boulder -----	64,564	129,222	30,176	29,394	13,766	261,020	528,142
Delta -----	6,742	29,758	9	15,992	-----	16,681	69,182
Elbert -----	1,394	2,251	160	1,239	602	294	5,940
El Paso -----	27,405	52,320	31,316	21,220	20,767	140,297	293,325
Fremont -----	88,779	183,378	3,480	82,955	7,350	133,629	499,571
Garfield -----	23,879	11,306	291	5,865	420	11,598	53,359
Gunnison -----	195,264	95,049	4,368	36,858	25,507	303,240	660,286
Huerfano -----	147,138	102,138	16,583	78,887	13,071	412,698	770,515
Jackson -----	6,407	7,520	-----	6,339	-----	3,807	24,073
Jefferson -----	19,780	37,485	7,328	6,701	8,466	99,286	179,046
La Plata -----	19,473	9,606	30	3,802	2,875	7,199	42,985
Larimer -----	443	1,322	-----	83	403	273	2,524
Las Animas ---	580,762	29,027	5,624	36,088	6,869	771,161	1,429,531
Mesa -----	31,523	21,091	218	11,093	3,159	12,554	79,638
Moffat -----	628	13,157	38	3,558	146	2,619	20,146
Montezuma ---	4,099	-----	-----	-----	-----	-----	4,099
Montrose -----	3,958	721	-----	92	-----	8,041	12,812
Pitkin -----	1,284	-----	-----	-----	-----	-----	1,284
Rio Blanco ---	627	3,261	-----	976	45	575	5,484
Routt -----	38,019	403,061	51,103	168,031	10,527	351,390	1,022,131
San Miguel ---	257	422	-----	93	-----	213	985
Weld -----	38,069	502,814	78,782	36,874	107,757	725,924	1,490,220
Total -----	1,300,611	1,634,909	229,506	546,140	221,730	3,262,499	7,195,395

## COKE PRODUCED IN 1937 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.-----	160	64,222	Las Animas	160	64,222
Colorado Fuel and Iron Co. -----	151	486,945	Pueblo -----	151	486,945
Total -----	311	551,167		311	551,167

## Remarks:

Average number of days worked----- 365  
 Average number of men employed at the coke ovens----- 82  
 Number of tons of coal made into coke-----922,134

## COAL PRODUCTION IN COLORADO FROM 1873 TO 1937, 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	1936-----	6,845,837
		1937-----	7,215,916

## MECHANICAL CLEANING IN COLORADO IN 1937

County	Company	Mine	Total Pro- duction 1937	Total Tonnage Washed Before Shipment
Fremont.....	Victor-American Fuel Co. ....	Chandler .....	131,509.10	37,602.15
Gunnison.....	Mount Carbon Anthra- cite Co.....	Richardson .....	1,739.81	1,390.35
Huerfano.....	Colorado Fuel and Iron Corp. ....	Robinson No. 4.	203,515	21,311
Huerfano.....	Gordon Coal Co.....	Gordon .....	39,148	7,368
Huerfano.....	Caliente Coal Co.....	Ravenwood ...	32,993.25	5,258
Las Animas..	American Smelting & Refining Co. ....	Boncarbo .....	127,639	115,278
Routt.....	Victor-American Fuel Co. ....	Wadge .....	117,603.25	16,843.80
Routt.....	Victor-American Fuel Co. ....	Pinnacle .....	153,734.65	28,104.70
	Total .....		807,932.06	233,156.00

Compiled by:

Edward J. Smith and  
John Tierney,  
National Bituminous Coal Com-  
mission.  
April 11, 1938.

Source of data:

1937 Yearly Coal Mine Reports  
submitted to the Colorado State  
Inspector of Mines.



## MECHANICAL LOADING IN COLORADO IN 1937

[illegible]



## MECHANICAL LOADING IN COLORADO IN 1937—Continued

County, Company, Mine	Number of Mechanical Loaders	Shaker Type	Mobile or Track Type	Chain Conveyors, Short Face Type	Room Conveyors	Mainline or Entry Conveyors	Belt Conveyors, Number and Type	Power Shovels, No. and Type	Other Types of Mechanical Loaders	Total Tonnage Loaded by Mechanical Devices	Total Production of Mine (Tons)
<b>Jackson County</b>											
North Park Coal Company Moore Mine	1	1	...	...	...	...	...	...	...	§	20,272.06
<b>Las Animas County</b>											
Victor-American Fuel Company Delagua Mine	3	...	...	...	3	...	...	...	...	34,018.54	137,693.45
<b>Routt County</b>											
Colorado & Utah Coal Company Harris Mine	9	...	2*	1†	...	...	...	6‡	...	181,061	227,221
<b>Routt County</b>											
Hayden Coal Company Hayden Mine No. 3	3	2	1	...	...	...	...	...	...	6,436.60	162,610.75
<b>Routt County</b>											
Keystone Coal Company Keystone Mine	4	4	...	...	...	...	...	...	...	28,609	72,153
<b>Routt County</b>											
Moffat Coal Company Moffat, Nos. 1 and 2	20	...	10	10	...	...	...	...	...	87,794.40	190,049.73

\*Jeffrey 44 C. †Face conveyor. ‡Goodman Hydro-electric. §Total tonnage loaded by mechanical devices not given on report to Mine Inspector.

## MECHANICAL LOADING IN COLORADO IN 1937—Continued

County, Company, Mine	Number of Mechanical Loaders	Shaker Type	Mobile or Track Type	Chain Conveyors, Short Face Type	Room Conveyors	Mainline or Entry Conveyors	Belt Conveyors, Number and Type	Power Shovels, No. and Type	Other Types of Mechanical Loaders	Total Tonnage Loaded by Mechanical Devices	Total Production of Mine (Tons)
<b>Routt County</b>											
Victor-American Fuel Company Pinnacle Mine.....	16	100	100	100	16	1	1	...	...	120,102.60	153,734.65
<b>Routt County</b>											
Victor-American Fuel Company Wadge Mine.....	11	...	...	...	11	...	...	...	...	117,603.25	117,603.25
<b>Weld County</b>											
McNeil Coal Corporation Sterling Mine.....	2	2	...	...	...	...	...	...	...	19,183	103,202
<b>Weld County</b>											
Rocky Mountain Fuel Company Columbine Mine.....	1	1	...	...	...	...	...	...	...	...	234,209
<b>Weld County</b>											
Wm. E. Russell Coal Company Russell Mine.....	4	4	...	...	...	...	...	...	...	28,058	57,672
<b>Weld County</b>											
The Shamrock Coal Company Shamrock Mine.....	1	1	...	...	...	...	...	...	...	8,674	53,665
<b>GRAND TOTAL</b>	123	56	15	11	32	...	3	6	...	1,018,039.33	2,603,486.24

Source: 1937 Yearly Coal Mine Reports submitted to the Colorado State Inspector of Mines, Compiled by: Edward J. Smith and John Tierney, National Bituminous Coal Comm., April 11, 1938.

BRIEF DESCRIPTION OF FATAL ACCIDENTS WHICH  
OCCURRED IN THE COAL MINES OF COLORADO  
DURING THE CALENDAR YEAR 1937

January 16—JOE MAJOR, American, machine runner, experience 14 years, age 34 years, married, two children, employed by the Imperial Coal Co. at the Imperial mine, Weld county, was instantly killed by a piece of coal falling down the shaft. Deceased was riding on cage from which a portion of the bonnet was off. The cager claimed that he was not aware of this defect, being busy caging cars. The mine foreman stated that he told the cager that bonnet was off, but the cager said he was not aware of such warning. The accident was due to a defective cage and had proper precaution been taken by the mine officials the accident would have been avoided.

January 26—ELOY SANCHEZ, American, machine miner, experience four months, married, five children, employed by the Perino Coal Co. at the Newlan Creek mine, Fremont county, was killed by a fall of rock. Deceased was throwing coal from the gob side of mine to the car when a large piece of rock gave way from an invisible slip, falling on him and killing him almost instantly. The superintendent had examined the roof a short time prior to the accident and found no evidence of slips or looseness. The place was well timbered and three additional props had been set in line, three feet back from face. The accident was unforeseen and is classed as unavoidable.

February 2—CECIL SLOAS, American, miner, age 37, experience 5 years, single, employed by the Moffat Coal Co., Moffat No. 2 mine, Routt county, was killed by a fall of coal caused by a bump. The place had been visited by the mine foreman 15 minutes prior to the accident. The place was found to be in a workable condition and timbers set according to the timbering agreement. The bump which caused the accident was due to the hazards of the industry and therefore is classed as unavoidable.

February 6—JOHN STRITCHKO, Slavish, loader, age 69 years, experience 32 years, married, no minor children, employed by the Louisville-Lafayette Coal Co., Hi-Way mine, Boulder county, was injured by a fall of rock from the roof at face and died 17 hours later. The accident occurred at 9:30 a. m. and the place had been visited by the mine foreman at 11:00 a. m. the day prior to the accident. Deceased was making preparations to put in a cross-bar after approximately half the coal had been loaded from a cut which had been shot down the night before. On the road side of room a cross-bar had been set six feet from face of broken coal with only one prop under cross-bar. On gob side of room, cross-bar is about 10 feet from face of broken coal. After the rock fell it showed a slickened side and was about eight feet in length and varying in thickness from 10 to 15 inches and about five feet wide. The place had not been visited by the superintendent for two days prior to



the accident. The accident might have been avoided had the place been timbered according to the timbering agreement and it is the duty of the mine officials to see that the timbering agreement is complied with.

February 23—JESUS PEDEROSA, Mexican, rope rider, age 29 years, experience 10 years, single, employed by Joe Maloney at the Nugget mine, Huerfano county, was injured on February 13 by being caught between car and prop and incurred a fractured skull which resulted in his death on February 23. A loaded car was derailed on a curve. It was jacked up and when deceased went to push the car towards the track, the jack slipped and in some manner catching deceased's head between the car and mine prop. The accident is classed as unforeseen and therefore unavoidable.

February 24—JOHN STRAZISCAR, American, machine miner, age 19 years, experience two years, single, employed by the Nushaft Canon Coal Co. at the Rex Carbon mine, Fremont county, was injured on February 15 by a fall of rock and died on February 24. The mine foreman had visited the place one hour and forty-five minutes prior to the accident and was unable to test the roof due to coal being piled up to the roof as a result of coal being shot down the night before. There is a draw slate varying from two to six inches throughout the mine and it is the custom to take this down as the coal is extracted. The mine foreman instructed deceased to take care of the draw slate as soon as sufficient coal was extracted and then left the mine, going to another mine operated by this company but before leaving deputized a non-certified man to act in his place during his absence. This man visited the place where deceased was injured and again warned him to take care of the draw slate. Deceased had carried out the instructions, except that a piece of draw slate about four feet long and two feet wide was left up, it being keyed in a tight corner. Deceased had set the post drilling machine under this draw slate and drilled a hole about two feet deep when apparently the pressure of the post caused by drilling the hole resulted in the draw slate giving way and striking deceased on the head, fracturing his skull with the above mentioned result. The place was well timbered when examined by the mine officials after the accident and as there were no eye witnesses to the accident no statement could be obtained. Deceased also was unable to make a statement. The accident is classed as unavoidable due to the hazard of the industry.

February 25—JAMES C. ROBERTS, American, miner, age 25 years, experience two years, single, employed by the Victor-American Fuel Co. at the Wadge mine, Routt county, was killed by a fall of rock. The place had been visited by the mine foreman one hour prior to the accident. Deceased was working on a Vulcan conveyor when the rock fell, crushing his head. The place was in fair condition except that at the face, which was short of props on account of cutting machine or that some of the timbers had been knocked down by the falling rock. From the inquest it was found



that one prop had been removed for pulling the cutting machine out and same had not been replaced. Had this prop been replaced in all probability this rock would not have become loose and caused the accident.

March 5—JOE CIMINO, Italian, miner, age 60 years, experience 30 years, single, employed by the Rouse Coal Mining Co. at the Rouse mine, Huerfano county, was injured by a fall of rock and died therefrom approximately 12 hours later. The place had been visited by the mine foreman 45 minutes prior to the accident. The place was well timbered and the timbering agreement was complied with. Deceased and partner were loading a car of coal when a large rock seven feet long, three feet wide and two feet thick fell from a slip between the timbers. Upon examination of the roof it was found that a slip paralleling the room and breaking off at the face of coal was the cause of accident. The accident is classed as unforeseen. RECOMMENDED: That in all working places where slips are visible, that cross-bars be used and gob props be set closer, regardless of the timbering agreement.

March 14—CARL ORVAL WEAVER, American, coal loader, age 41 years, experience 20 years, married, four children, employed by Herman West at the Pine Gulch mine, Fremont county, was injured by a fall of rock from the face on March 12 and died from said injuries on the above mentioned date. He incurred a fracture of the leg six inches above the knee, fractured pelvis with back and hip injuries. The mine foreman had visited the place about 15 minutes prior to the accident. Approximately 1,500 pounds of rock fell from face of coal over a car the deceased was loading, 500 pounds of which caught deceased causing the aforesaid injuries which created a blood clot and was one of the causes of his death. A draw slat running from four to 10 inches in thickness is between the four-foot seam of coal and a 10-inch seam of rotten top coal which is left for roof. There were no props on hand as they are ordered as needed. The place had been cleared and timbers reset when investigation was made. Witness claimed that there was a center prop between car and face which was swung out when coal was removed, prop being under face of rock. There were two props about 10 feet apart standing four feet from face, the next row being eight feet from face. Room was cross-barred to about 14 feet from face. Rock could have easily been removed. It appeared that deceased wanted to load coal out first. Coroner's verdict, "Unavoidable accident."

March 16—ALBERT OLGUIN, Spanish-American, pick miner, age 22 years, experience six years, married, no children, employed by the Huerfano Coal Company, Ludlow No. 2 mine, Las Animas county, was killed by a fall of rock in a room pillar. The place had been visited by the mine foreman six hours prior to the accident. There was a sufficient supply of props on hand and the place was well timbered as props were only two and one-half feet apart, thus complying with the timbering agreement. Deceased and his partner were loading a car of coal when a rock fell from a pot slip from

between the props. Upon examination of roof it was found that two slips and the pot rock broke off at the face of the coal. The roof was tested prior to the accident and seemed to be in good condition. The accident is classed as unforeseen.

March 31—WM. GEORGE ABLETT, Welch, machine miner, age 51 years, experience 42 years, married, no minor children, employed by the Griffiths Coal Company, Griffiths mine, Fremont county, came to his death by suffocation and seared lungs caused by an explosion of firedamp ignited at face of cross-cut by an electric spark from cutting machine. Mine foreman and machine runner working at face were seriously burned.

May 7—ANTONIO PUGA, Mexican, car dropper, age 52 years, experience 17 years, married, five children, employed by the Bear Canon Coal Co., Bear Canon No. 6 mine, Las Animas county, came to his death by being run over by a loaded railway coal car (surface accident). Deceased was setting the brake on the car when the brake rod suddenly broke causing him to lose his balance and he fell directly in front of the moving car, the wheels of which passed over him and severed both legs from his body causing his death a few minutes later. The accident was caused by a defective brake staff and neither the company or deceased can be held responsible for the accident.

May 15—ALEX ZANGANOS, Greek, machine and pick miner, age 42 years, experience 17 years, single, employed by the Leyden Lignite Co. at the Leyden No. 3 mine, Jefferson county, was killed by a fall of rock and coal overhanging at rib. At time of accident deceased was at work making preparation to take another lift across the pillar when the overhang of rock and coal fell from the roof, hitting him and causing such injuries that he died a short time after the accident. A day prior to the accident, deceased was warned by the assistant mine foreman to work the inby end of the hangover where it was safe. He was again warned to do so by the mine foreman one hour prior to the accident. After the accident deceased was found at the outby end and directly under the overhang. Apparently deceased had disregarded the instructions of both the mine foreman and the assistant mine foreman. The places where deceased and his partner were working were well timbered and evidence shows that deceased was a practical workman and usually complied with the instructions of the mine officials. The accident might have been avoided had deceased complied with the instructions of the mine officials.

May 21—LOUIS POZZI, Italian, rock miner, age 44 years, experience 20 years, single, employed by the Keystone Coal Co. at the Keystone mine, Routt county, came to his death by being hit with rocks caused by shots going off before he was able to leave the place. From evidence given at coroner's inquest by deceased's partner, they had just finished drilling and loading 10 shots when deceased asked his partner to leave the place while he fired the shots. All shots were fired by a fuse about four feet long. The

partner testified that he heard seven shots go off in succession. The mine foreman testified that the place had been cleaned up and only two unexploded shots had been found. One witness testified that the first five shots went off right in order and then there was a pause of about one-half minute between the fifth and sixth shots. Evidently deceased may have had some trouble in lighting the fuse of the sixth shot, thus delaying him so as to have one of the shots go off before he had completed lighting all of the fuses. Apparently deceased had tried to escape as soon as the first shot went off as he was found about 24 feet from where the shots were placed. Deceased was employed to do rock work and was considered experienced in that line of work. Perhaps his long experience in rock work made him a little careless in handling of shots as it was the custom to fire the shots as soon as possible after the shots were tamped. Deceased was dead when found from the multiple injuries received from the flying rock. Had longer fuses been used, or fewer holes loaded, deceased could have completed igniting all shots and got to a place of safety before the first shot went off.

June 2—FRANK BLAZONIK, Austrian, machine miner, age 47 years, experience 12 years, single, employed by the Juanita Coal & Coke Co. at the King mine, Delta county, came to his death by being electrocuted. Deceased upon entering his place picked up the shooting line and laid it in a pile in the cross-cut thinking that it had been disconnected from the jumper power line which is used to fire the shots and also to connect with the cutting machine. Jumper power line is connected to main power line carrying 440 v. AC. Deceased, hearing the cutting machine coming, stepped into the cross-cut to get out of the way of the machine. The machine men, not knowing that the firing line had not been disconnected from the jumper power line, turned the power onto the jumper line so they could start cutting, thereby turning the same power into the firing line. Deceased's feet were tangled in the firing line, the ground being damp and immediately upon turning on the power deceased met instant death by electrocution. The shot firer was instructed by the management to disconnect the firing line from the power line immediately after firing shots. The fire boss had instructions to check on the shot firer to see that the power wires were disconnected; this he failed to do. Had either the fire boss or the shot firer followed their orders the accident would have been prevented.

June 4—DAIZO HONGYO, Japanese, miner, age 57 years, experience 14 years, single, employed by the Hayden Coal Corp. at the Hayden No. 3 mine, Routt county, was injured by a fall of coal on June 2 and died on the above date. Deceased was working in a pillar between 17th and 18th of the upper 4th south when a bump of coal fell on him injuring him so severely as to cause his death. The place was found to be well timbered and in a good working condition and had been visited by the mine foreman two hours prior to the accident. No one can be held responsible for the accident as same was due to the hazards of the industry.



July 22—GEORGE OTAVA, Rumanian, track layer, age 55 years, experience 41 years, married, four minor step-children, employed by the Clayton Coal Co. at the Clayton mine, Weld county, was injured by a fall of rock on the new motor road, 4th East, on July 15, 1937, and died on the above date. Deceased was pulling spikes preparatory to taking up rails in order to lay heavier rails when a piece of rock fell from the roof causing injuries which resulted in his death. The mine foreman had visited the place one hour and 20 minutes prior to the accident and claimed that the conditions at that time appeared to be safe but instructed the men to take down all loose rock and to timber places. Two of deceased's co-workers tried to take down this rock by using a pick and bar and, failing in their efforts, left the rock up without making provisions to make it safe. This rock fell on deceased with the above mentioned result. Deceased came to his death through no fault of his own but, rather, due to the neglect of his co-workers, who failed to make the rock safe by timbering it. It is very poor mining practice to allow anyone to work near a loose rock, especially after an attempt had been made to take it down and without first making it safe by timbering.

August 2—ANDREW WILLIAM PANIAN, Austrian, driver, age 21 years, experience 14 months, single, employed by the Colorado Fuel & Iron Corp. at the Crested Butte mine, Gunnison county, came to his death by being run over by a loaded mine car. Deceased was driving a mule in the 10th north entry. The accident occurred between rooms 13 and 14 after deceased had come out of room 15 with a loaded car. A power line crosses the track through a cross-cut on the lower side of the entry and goes into room 14, which is six feet above the frog. The wire was found to be burned in two places which had been previously spliced. Two other drivers who were on the parting said that they saw a flash and heard deceased say "whoa" to his mule. When they did not hear him coming they went up the entry and found him under the loaded car, laying facing up the entry, the car was off the track and he was still alive. The lineman said that he examined all the lines in the mine the day before as the mine had been idle a month. Apparently moisture had seeped through the tape on the splice, causing the wire to arc; this probably frightened the mule, causing deceased to lose his footing and fall under the car. The wire was heavily insulated between the splices and therefore the accident would be classed as unforeseen, arising from the hazards of the industry.

August 30—JOSE B. TORRES, American, pick miner, age 48 years, experience 10 years, widower, three children, employed by the Colorado Fuel & Iron Corp. at the Frederick mine, Las Animas county, was instantly killed by a fall of rock. Deceased and his partner were working in pillar No. 7, 25th east off 6th south. The place had been examined by the fire boss about four hours prior to the accident and found to be safe. It was well timbered and plenty of props were on hand. According to deceased's partner, they had loaded one car of coal and had gone after an empty to bring same

to the face. When they returned the roof gave way on the roadhead, the large rock resting on the car with part of the rock breaking off the outer edge and falling on deceased's head with the above mentioned result. The accident is classed as unforeseen.

September 12—BURTON BURNS, American, machine runner, age 27 years, experience 11 years, married, two children, employed by the Colorado & Utah Coal Co. at the Harris mine, Routt county, came to his death by being electrocuted. Deceased and his partner had completed cutting and drilling of a cross-cut at the face of F panel, room 26. The machine, which is an undercut type, had been loaded and the feed cable which extends from the truck to the machine had been coiled over the motor. Upon first examination it was decided that drill column which was placed over the cable upon a place which was spliced caused the electrocution but upon further examination of the machine in the underground machine shop it was found to be very badly grounded in the stator. Several of the coils were badly shorted. This machine had not been in use for some time and evidently the motor had absorbed some moisture to cause this condition. When it was last used it had been in safe, workable condition. It is found that whenever any electrical equipment stands for any length of time it should be inspected to determine whether it is safe to be used and if this had been done the accident would have been avoided.

November 9—NACARIO PATINO, Mexican, miner, age 42 years, experience 15 years, single; and

FRANK A. SHARP, American, acting mine foreman, age 41 years, experience 15 years, married, three children, employed by the Hayden Coal Company at the Hayden No. 3 mine, Routt county, came to their death by being crushed by a fall of top coal and rock. Deceased, Nacario Patino, and his partner were working in a pillar loading coal when acting mine foreman Sharp and Supt. Thos. Greenhalgh came to the place on their regular inspection visit. The superintendent and foreman had been in the place only about one minute when the fall occurred, killing Sharp and Patino instantly and injuring Greenhalgh and Patino's partner. At the coroner's inquest it was brought out that the place had not been visited from the time of the fire boss inspection at 4:30 a. m. until the accident at 1:30 p. m. of the same day. The place was well timbered and as the assistant mine foreman and the superintendent did not have sufficient time to make a thorough inspection of the place before the accident, same is classed as unavoidable, due to the hazards of the industry. RECOMMENDATION: That all pillar places be visited more frequently by the mine foreman or some other certified official familiar with pillar extraction in this district.

December 15—ALFRED MOREAU, American, miner, age 51 years, experience 30 years, married, employed by the Hayden Coal Co. at the Hayden No. 3 mine, Routt county, was injured by a fall

of top coal on November 26 and died on the above date as a result of said injuries.

December 31—AUGUST MATTIVI, Italian, loader, age 53 years, experience not known but he was an old coal miner, single, employed by the Rouse Mining Co. at the Rouse mine, Huerfano county, came to his death by being crushed by run away empty car on the main slope.

