ANNOTATED CATALOGUE
OF
UNPUBLISHED ENGINEERING AND GEOLOGICAL REPORTS
ON
MINERAL RESOURCES OF COLORADO

COLORADO STATE PLANNING COMMISSION
130 State Office Building
DENVER, COLORADO
DECEMBER, 1936
ANNOTATED CATALOGUE

of

UNPUBLISHED ENGINEERING AND
GEOLOGICAL REPORTS

on

MINERAL RESOURCES OF COLORADO

The Colorado State Planning Commission

John T. Barnett, Chairman
Hon. William H. Adams
Frank Delaney
J. M. Dille
J. A. Clay, Vice-Chairman
Miss Vena Pointer
Dr. M. F. Coolbaugh
Dr. Elmore Petersen
Tolbert R. Ingram, Deputy Director
Edward D. Foster, Director
Dr. E. P. Sandsten
Charles D. Vail
M. C. Hinderlider

Committee on Mineral Resources

Dr. M. F. Coolbaugh, Chairman
Charles N. Bell
S. A. Ionides
F. C. Carstarphen
Robert S. Palmer

National Resources Committee

Irvin J. McCrary, Consultant

Denver, Colorado
December, 1936

Prepared and Published under
Federal Project No. 3 of the Works Progress Administration.

Copies of the Material listed have been filed at the Denver Public Library.
## CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>PREFACE</td>
<td>Reports, Mine Records, Well Logs, and Miscellaneous Items, arranged alphabetically by author</td>
<td>iii</td>
</tr>
<tr>
<td>PART I</td>
<td>Charts and Maps</td>
<td>1</td>
</tr>
<tr>
<td>A. Charts relating to mines and petroleum</td>
<td>42</td>
<td></td>
</tr>
<tr>
<td>B. Maps</td>
<td>42</td>
<td></td>
</tr>
<tr>
<td>1. Coal Mines</td>
<td>42</td>
<td></td>
</tr>
<tr>
<td>2. Metalliferous Mines</td>
<td>43</td>
<td></td>
</tr>
<tr>
<td>3. Petroleum</td>
<td>59</td>
<td></td>
</tr>
<tr>
<td>4. Geology</td>
<td>61</td>
<td></td>
</tr>
<tr>
<td>PART III: Index by subject and county location of items listed in Parts I &amp; II</td>
<td>61a</td>
<td></td>
</tr>
</tbody>
</table>

### Abbreviations

- **C.S.B.M.** Colorado State Bureau of Mines
- **n.d.** No date given
- **N.M.P.M.** New Mexico Principal Meridian
- **U.S.G.S.** United States Geological Survey
The demand for information relating to the mineral resources of Colorado other than that available in published form was brought to the attention of the Colorado State Planning Commission. It was believed that much unpublished data could be secured in various parts of the state, which would be of definite value when assembled and arranged for use. Accordingly this work was undertaken as one phase of the studies of the State Planning Commission with the staff provided by the "WPA Progress Administration under Federal Project No. 3, a project conducted in cooperation with the National Resources Committee.

The material collected consists of some 782 engineering and geological reports, 328 maps of mining properties, mining districts, and petroleum properties, briefs of the annual reports of approximately 3100 mines, logs of 4506 oil and water wells, and some record of 3190 additional wells. Copies in triplicate were made of all items, of which two copies have been deposited for reference use at the Technical Department of the Denver Public Library, and a third copy at the Colorado School of Mines. The final step in the project was the preparation of this catalogue comprising lists of references to the material by author, subject, and county location.

The project was directed by Mr. Dean E. Winchester, prominent Denver geologist, from November, 1935, until his death in September, 1936. Since that date the work has been in charge of Mr. J. F. Beckstrom, Assistant Supervisor. The carefully prepared annotations for the catalogue were made by Mr. Charles L. Andrews, bibliographer for the project.

Acknowledgment is gratefully made for assistance rendered by Mr. John T. Joyce, State Commissioner of Mines, and by numerous mining and oil companies, mining engineers, geologists and other individuals who furnished records, maps, and reports. Acknowledgment is also made to the Continental Oil Company for providing office space; to the Fountain Producers Corporation and the Denver and Rio Grande Western Railroad for the use of office equipment; and to the staff of the Denver Public Library for assistance in devising a system for filing the material.

Irvin J. McCrary, Consultant.
CATALOGUE
PART
I
REPORTS
MINE RECORDS—WELL LOGS
MISCELLANEOUS

Aller, F. D.
La Plata County. California Mng. Dist.
12 miles from Durango on the eastern flank of Falls Creek.

La Plata County. California Mng. Dist.
in Deadwood Gulch, about 17 miles from Durango. Sec. 23 or 26. Twp. 36 N., R. 11 W., N.M.P.M.

Anchor Mines Syndicate.
Gilpin County. Vermillion Mng. Dist.

Andrews, Charles Lincoln

Anonymous.

Anonymous (Cont'd.)
Fremont County. About 10 miles west of the Royal Gorge.

3. Statement concerning the Pride of the West lode mining property. 2p. 1930.
San Juan County. Animas Mining Dist. Up Cunningham Gulch. 1 mi. from Silverton.

Armstrong, F.C.
1. Brief statement concerning the Zeph and Cyclone mining claims by F.C. Armstrong, M. E., with additional information furnished by E. A. Hitchcock. 4p. 1903.
Boulder County. Magnolia Mng. Dist. In S. 1/2 of Sec. 36. Twp. 1 N., R. 72 W., along Boulder Creek.

Arthur, Jr., Edward F.
1. Report on the C.O.D. group Cripple Creek Mining District, Teller County. 4p. 1926.
Teller County. Cripple Creek Mng. Dist. Sec. 18, Twp. 15 S., R. 69 W.

Secs. 29 and 30. Twp. 3 S., R. 73 W.

Ashbaugh, Lewis E.
Boulder County. Central Mng. District. On west slope of the north part of Prophyry Mountain. S. W. 1/4 of Sec. 18.
Twp. 2 N., R. 71 W. 1 1/4 mi. from Jamestown.
Asbaugh, Lewis E. (Cont'd.)

2. Report on the gold properties of the Star Mining & Milling Company, Boulder County. 8p. 1931. 8p. illus. 3 maps.
   Boulder County. Gold Hill Mag. District, on Gold Hill, just north of Wall Street.

3. Report on the properties of the Major Gold Mining Company, Sunshine, Boulder County. 4p. 1934. 2 maps.
   Boulder County. Sunshine Mag. District. Up Sunshine Gulch, 2/3 of a mile above the town.

   Chaffee County. Sedalia Mag. Dist. 4mi. north of Salida, 1 1/2 mi. from the R.R.

   Gilpin County Gregory Gulch Mag. Dist.

   Oh-be-Joyful Valley, Gunnison County. 8p. 1931. 3 maps 10p. illus.
   Gunnison County. Ruby Mining District Oh-be-Joyful Creek, 8 miles from Crested Butte. Approx. location: Secs. 9, 10 and 11, Twp. 13 S., R. 57 W.

   Park County. Backskin Mining District.

   Park County. Backskin Mining Dist. S. W. 1/4 Sec. 27, Twp. 8 S., R. 78 W 3 miles northwest of Alma.

   Park County, Hay Maddow Mag. District.

    Collier Mt., Summit County. 4p. 1934.
    Maps and illus. missing.
    Summit County. Monteruma Mag. District on Collier Mt., just south of Chilkauhua and 2 miles east of Monteruma.

Austin, William Lawrence

1. A promising gold field (Rito Seco Properties) Ltd.
   See Ritter, Etienne A., 2. (Sec. 5).

   See Ritter, Etienne A., 2. (Sec. 10).

Ball, Max W.

1. The P.H. Oliver State Lease, Tow Creek field, Routt County. 4p. 1932.
   Routt County. Tow Creek field, Sec. 1/2 of the N.W. 1/4 Sec. 18, Twp. 6 N., R. 86 W., 11 miles east of Hayden Tow Creek structure.

Bancroft, George J.

   Jefferson County.

Barbour, W. Bruce

1. The Greasewood Dome inspection trip (Orchard oil field) 8p. 1935. 2 maps.
   Weld & Morgan Counties. Greasewood Field S.W. 1/4 of S.W. 1/4 Sec. 24, Twp. 6 N., R. 61 W; N.E. 1/4 of N.W. 1/4 Sec. 24 Twp. 6 N., R. 61 W.
   Pawnee Anticline Greasewood Anticline Fort Morgan Anticline Greasewood Dome Patterson Well No. 1 Ida Johnson Well No. 1

Bauer, C. Max

1. The Rocky Mountain region before the Rockies. pp. 7-16.
   See University of Colorado, 1.

Becker, Clyde M.

   In Plata County, California Mag. Dist. 3 miles north of In Plata, Colorado.

Backstrom, E.L.

1. The geology and ore deposits of the White Raven mine, Ward, Colorado. 5p. 1936. map.
   Boulder County. Ward Mining District Sec. 12, Twp. 1 N., R. 73 W.
Beckstrom, J.F.

1. Mineral resources of Mesa County. Compiled from information gathered by F.E. Whitney, Field Investigator, on the Mineral Resources survey sponsored by the State Planning Commission. 2 vols. Mesa County.

Beeler, Henry C.

   Clear Creek County. Dumont Mag. Dist. S. W. 1/4 Sec. 18, Twp. 3 S., R. 73 W.

   Clear Creek Co. Morris Mag. District.

   Gilpin County. Ferigo Mag. Dist. Secs. 22, 23, 25 and 27, Twp. 2 S., R. 73 W., extending in a northeasterly and southeasterly direction from a point east of Stewart Gulch to Silver Creek, a distance of about one mile and a half, and about five miles northeast of Blackhawk in eastern Gilpin County.

Belser, Carl

1. Notes on the Pueblo Belle mine, Boulder County. 3p. n.d. map.
   Boulder County. Sugarloaf Mag. District.

Benajovsky, Theodore D.

1. Report on the Livingston Mining Company property in the Sugarloaf Mining District at Sugarloaf, Boulder County. 2 - lip. 1930. map.
   Boulder County. Sugarloaf Mag. District.

2. Preliminary report on Pass Me By, Neglected and Lonesome Pine claims, Turret Mining District, Chaffee County. 4p. 1936. map.
   Chaffee County. Turret Mining District Secs. 2 and 11, Twp. 50 N., R. 9 E., N.M. P.M. 7 miles north of Salida.

   Chaffee County.

Berger and Sayre


Big Five Tunnel

1. Information concerning veins cut by the Central Tunnel level of the Big Five Tunnel. 5p. 1906-8.

Blue Bird Mining & Milling Company

1. Letter concerning the Henrietta group of mines in the San Juan district of western Colorado. 2p. 1936.
   San Juan County. Animas Mag. Dist. Near Gladstone, about 8 or 9 miles from Silverton.

Boehmer, Max

1. Bon Ton and Carbonate group. 2p. n.d. map.
   Gunnison County. Rock Creek Mag. Dist. Northeast slope of Crystal Mountain, 1 mile from Crystal.

   Hinsdale Co. Lake Mag. Dist. on west slope of Lake Fork about 3 mi. from Lake City.

Boyd, Lewis H.

1. The Florence oil field. 9p. 1935. 4 maps and charts.

Bruce, Walter C.

1. A detailed record of the smelting results obtained from the treatment of two lotsjone of Iron Silver and one of Small Hopes zinc ores at the test works of the International Metallurgical Co., at Denver, submitted to Theo. E. Schwarz. 13p. 1900.
   Lake County, California Mag. Dist. Iron Silver zinc ores and Small Hopes zinc ores.
   International Metallurgical Company.
1. Statement concerning the following groups of claims in San Juan County: Alaska-Acapulco Group, Uncompahgre Mng. Dist. Sec. 3, Twp. 42 N., R. 7 W., N.M.P.M. Map.


Klondike group. Eureka Mng. Dist. Sec. 16, Twp. 42 N., R. 6 W.

San Juan County. Uncompahgre, Ice Lake and Eureka Mining Districts.

2. Statement concerning the following groups of claims in the Red Mountain Mng. Dist., Ouray County: Belle of the West Group. Sec. 34, Twp. 43 N., R. 7 W., N.M.P.M. Map.

Guadalupe Group. Sec. 20, Twp. 43 N., R. 7 W. Kentucky Giant Mine. Sec. 32, Twp. 45 N., R. 7 W. Map.

Lost Boy Group. About Sec. 8, Twp. 42 N., R. 8 W. Map.

Minnie Group. Sec. 36, Twp. 43 N., R. 8 W.

Ouray County. Red Mountain Mng. Dist.

3. Statement concerning the following groups of claims in the Sneffels Mng. Dist., Ouray County, Colorado:

Altoona Group. Sec. 19, Twp. 43 N., R. 8 W. N.M.P.M. Map.

Ethan Allen Group. Sec. 16, Twp. 43 N. R. 8 W. N.M.P.M. Map.

Highland Chief Group. Sec. 22, Twp. 43 N., R. 8 W., N.M.P.M. 2 maps.

Monster Group. Sec. 22, Twp. 43 N., R. 8 W., N.M.P.M. Map.

Ouray County. Sneffels Mining Dist.

4. Statement concerning the following groups of claims in the Sneffels Mng. Dist., Ouray County:

Pilot Mine Sec. 17, Twp. 43 N., R. 8 W., N.M.P.M.

Torpedo-Eclipse Group. Sec. 15, Twp. 43 N., R. 8 W. (See Maps. Mines Metalliferous. Ouray County. 1.)

Yellowstone & Circassian claims of the Trust-Ruby Co. Sec. 17, Twp. 43 N., R. 8 W. Yankee Boy Group. Sec. 17, Twp. 43 N., R. 8 W. Map.

Yellow Rose Group. Sec. 26, Twp. 43 N., R. 8 W. Map.

Ouray County. Sneffels Mining District.

Bradish, Harry R. (Cont'd.)

5. Statement concerning the following groups of claims in the Uncompahgre Mng. Dist., Ouray County:

Happy Jack Group. Sec. 8, Twp. 43 N., R. 8 W., N.M.P.M.

Kentucky Claim. Sec. 30, Twp. 44 N., R. 7 W. Rainbow Group. Secs. 26 and 27, Twp. 44 N., R. 8 W.

Speedwell Group. Sec. 24, Twp. 44 N., R. 8 W. Map.

Trout-Fisherman Group. Sec. 30, Twp. 44 N., R. 7 W. Map.

Ouray County. Uncompahgre Mng. Dist.

6. Statement concerning the following groups of claims in the Uncompahgre and Paquin Mng. Districts, Ouray County:

Vida Group (Paquin N.D.) Sec. 18, Twp. 44 N., R. 7 W., N.M.P.M. Map.

Weehawken Basin. Big Ben Group, Angel Group, Japan-Moses Group. Sec. 3, Twp. 43 N.R. 8 W. and Sec. 35, Twp. 44 N.R. 8 W. Map.

Wyoming Group. Sec. 30, Twp. 43 N.R. 6 W. (Sec. 20, Twp. 43 N., R. 6 W., Galena Mining Dist. Hinsdale County). 2 maps.

Ouray County. Uncompahgre & Paquin Mining Districts.

Bradley, Joseph M.


Custer County. Hardscrabble Mng. Dist.

Brecken, L.S.


Broadman, ____________


Clear Creek County. Lower York and Lincoln Mng. Districts.

(Continued on next page)
Broadman, (No. 1 cont'd.)

On Fall River, about 2½ mi. from Fall River, about 2½ mi. from Fall River Station and 5 miles from Idaho Springs.

Brown, J.M.

   See Bearar, Edward, C., 1.

Brown, Frank Ellis.

   El Paso County.

Brown, Prentice F.

1. Progress report on Paradox Valley and surrounding territory in southwestern Colorado. 8 p. 1924.
   San Miguel and Montrose Counties Twp.
   42-45 N., R. 19 and 20 W.
   Dry Creek Anticline
   Dove Creek Anticline
   Gypsum Anticline
   Paradox Anticline
   McErlne Well
   Gypsum beds

Brown, Thomas A.

   Summit County. Bevan Mining District.

2. Engineers report on the Tillie Ann mining properties. Peak Eight Mining District, Summit County. 4 p. 1919.
   Summit County. Peak Eight Mng. District.

Bullion King Mining Co.

   San Juan County. Animas Mining District.

Burger, O.K.

   El Paso County.
   Secs. 2 and 3, Twp. 13 S., R. 68 W.

2. Report concerning the possibilities and prospects of gold mining on the A.J. Rock ranch, south of Cotopaxi and 40 miles west of Canon City, Fremont County. 4 p. 1934,
   with a letter from Albert de Marconay. 1 p.
   Fremont County.

2. Report on conversations with Mr. Frank Ellis Brown concerning "Rare Minerals" found in Colorado, together with two extracts from the Pikes Peak Journal, Manitou, March 6, 1936 and January 24, 1936, by Mr. Brown. 10 p. 1936.

Burlingame, Walter E.

1. Tungsten-Ferberite. 2 p. 1934.
   Gilpin County. Pine Mountain Mng. Dist.
   8 miles from Rollinsville.

Burris, Jr., S.J.

1. Report to the directors of the Jan Emmitt Gold Mining Company. 8 p. 1929.
   La Plata County. California Mng. District.

Byrnes, W. H.

   Clear Creek County. Idaho Springs Mining District.

Byron, J.E.

1. Reports on the Thunderbolt mine, located near Jamestown. 2 p. n.d. 2 maps.
   Boulder County. Central Mng. District
   Sec. 36, Twp. 2 N., R. 72 W.

   Boulder County. Gold Hill Mng. District
   Sec. 17, Twp. 1 N., R. 71 W 8 miles N.W. of Boulder on Four Mile Creek.

   Boulder County. Grand Island Mng. Dist.
   At Eldora on Spencer Mountain.
   Sec. 21, Twp. 15, R. 73 W.

   Boulder County. Grand Island Mng. Dist.

   Boulder County. Sugarloaf Mng. Dist.
   Secs. 23, 25 and 26, Twp. 1 N., R. 72 W.
   (Continued on next page)
Byron, J. E. (Cont'd.)
   Boulder County. Ward and Sugarloaf Mining Districts.
   15 miles west of Boulder. Sec. 20, Twp. 1 N., R. 72 W. On Pennsylvania Gulch
   and on the south side of Four Mile Creek.

   Boulder County. Ward Mining Dist. Sec. 1, Twp. 1 N., R. 73 W.

Caldon, J. D.
   Mining District, Gilpin County. 5p. 1917.
   Gilpin County. Independence Mag. Dist.
   2½ miles southwest of Rollinsville.
   South Moon Gulch. Twp. 2 S., R. 73 W.

Callin, George
1. The Collins group of mining claims.
   Sayre Gulch, on the western slope of Mt. Allen, Chaffee County. 1p. n.d.

Calloway, James D.
1. Preliminary report on Bemrose placer, Hoosier Pass Mining Dist. Summit County,
   with a prospectus of the Hoosier Gold Mines Company. N.C. Anderson, President.
   3p. 1936.
   Summit County. Hoosier Pass Mag. Dist. Secs. 1, 11, 12 and 21, Twp. 8 S., R. 73 W.
   About 10 miles south of Alma.

Cannon, R. M.
1. Field notes on Carson Ranch test holes with pump tests. 6p. 1933. 2 maps.
   El Paso County. Near the east line of the city of Colorado Springs.

Caramouzis, Basil
   La Plata County. California Mag. Dist. Sec. 15, Twp. 36 N., R. 11 W., N.M.P.M.

Carnahan, E. E.
1. Statement concerning the Perseverance group of claims. 1p. 1936.
   Gilpin County. Central City Mag. Dist.
   About 2 miles south of Blackhawk in the Silver Creek country.

Carraway, Davis S.
1. Report on the Spanish Peak group of Mining claims. 6p. 1899.
   Las Animas County. West Spanish Peaks Mining District.
   20 miles west of Aguilar on the southeast slope of the West Spanish Peak.

Carroll, A. A.
1. Statement concerning the Netted Gem group. 3p. 1936. map.
   Gunnison County. Box Canon Mag. Dist.
   Southeast slope of Copper Mountain, near Bowerman. S. E. 1/2 Sec. 21, Twp. 50 N.,
   R. 4 E., N.M.P.M.

Cason, Daniel
1. Statement concerning the Champion group of lode mining claims, San Juan County.
   2p. 1936.
   San Juan County. Animas Mining Dist.
   About 1 mile south of Silverton.

Chase, A. E., Fair, Fred A., and others.
   Boulder County. Sugarloaf Mag. Dist.
   1-1/2 miles southwest of Crisman.

Chase, Charles A.
1. Report on the properties of the Van Emmett Gold Mining and Milling Co., Ohlwiler Gulch,

Chase, Edwin E.
   Hinsdale County. Lake Mag. District 4 miles southeast of Lake City on east slope of Hotchkiss Mountain.
Chase, Edwin E. (Cont'd.)
   Boulder County. Grand Island Mng. Dist. This report forms a part of the report
   by George, R. D., and Fair, Fred A., 2. "Exhibit".

Church, Chester W.
   4 miles west of Idaho Springs, Freeland Development & Tunnel Co.

Clark, V. V.
   Gilpin County. Blackhawk Mng. Dist. Northwest boundary of the property
   begins at the lower end of the town of Blackhawk and it extends down north
   Clear Creek approximately 4930 feet.


   Teller County. Cripple Creek Mng. Dist. Sec. 6, Twp. 15 S., R. 69 W.
   About 2 miles east of Cripple Creek.

Coan, A. S.
1. Preliminary report on the Tampourene group of mines, at Wall Street,

Colburn, C. Lorimer
1. Information concerning the Silver Wing property, San Juan County. 1p. 1936, map.
   San Juan County. Bureka Mng. Dist. About 1-1/2 miles above Bureka. Sec.
   17, Twp. 42 N., R. 6 W., N.M.P.M.

2. Information concerning the Highland Mary Mine, San Juan County. 1p. 1936, map.
   San Juan County. Animas Mng. Dist. 8 miles from Silverton.
   Sec. 25, Twp. 41 N., R. 7 W., N.M.P.M.

3. Information concerning the Martin property, San Juan County. 1p. 1936, map.
   San Juan County. Uncompahgre Mining Dist. Fortwest from Eureka extending over
   Mountain. Sec. 3, Twp. 42 N., R. 7 W., N.M.P.M. Secs. 19 and 20,
   Twp. 42 N., R. 6 W., N.M.P.M.

Colorado Copper Company.
1. Statement concerning the property of the Colorado Copper Company, William Garstin,
   Part of S. W. 1/4 Sec. 20, N. W. 1/4 Sec. 33,
   "W. 1/2 N. E. 1/2 Sec. 33. Twp. 15 S. R. 73 W.,
   5th P.M. 4 1/2 miles S. W. of Guffey.
   (Also called the Mill Gulch Mng. Dist.)

Colorado Juneau Mines Inc.
1. Reports on tests conducted on samples of ore from Colorado Juneau Mines, Inc.
   Southwestern Engineering Corp. 4800 Santa Fe Avenue, Los Angeles, California.
   Let N. 2551, 4p. 1933.
   In Plata County. California Mng. Dist. Secs. 26 and 35, Twp. 37 N., R. 10 W.,
   N.M.P.M.

Colorado State Bureau of Mines.
1. Discussion of determination of gold values, weights, methods of calculating gold placer
   deposits and miscellaneous weights, etc. (John H. Parks.) 13p. 1936.

   Manager's Reports for the year 1902, page 35. 2p.
   Boulder Co., Sec. 21, Twp. 1 N., R. 72 W.

3. Report on the Big Five Mines at Francis, Boulder County: Mine Managers' reports
   Sec. 12, Twp. 1 N., R. 73 W.

4. Report on the Ni Wot Mng. Co., (Big Five); Mine Managers' Reports for the year 1900.
   page 6, 1p.
   Boulder County. Ward Mining District Sec. 1, Twp. 1 N., R. 73 W.
Colorado State Bureau of Mines (Cont'd.)

   Boulder County. 8 miles from Boulder on the road to Eldora.

   Boulder, Montrose, San Juan Counties.


8. Report on the Copper King of Colorado, the Sedalia Extension, Sedalia Extension No. 2, and Copper Queen of Salida lead claims, Chaffee County: Mine Managers' Reports for the year 1901. pages 101. 2p.
   Chaffee County. Cleora Mining District Sec. 13, Twp. 50 N., R. 8 E., N.M.P.M.

Colorado Copper Mining Co.

   Clear Creek County. Virginia & Fall River Mining Districts in Dry Gulch.
   Sec. 22, Twp. 3 S., R. 73 W.

    Clear Creek County. Dumont Mng. District Secs. 31 and 32 Twp. 3 S., R. 73 W.

    Clear Creek County. Spanish Bar Mining Dist. Sec. 34, Twp. 3 S., R. 73 W.

    Clear Creek County. Sec. 34 Twp. 3 S., R. 73 W. Sec. 3, Twp. 4 S., R. 73 W.

    Clear Creek County. Idaho Springs Mng. Dist. Sec. 35, Twp. 3 S., R. 73 W.


    Clear Creek County. Lincoln Mng. Dist. Sec. 1, Twp. 3 S., R. 74 W.

    Clear Creek County. Upper Union Mining Dist. West slope of Coade Mountain.
    Secs. 27 and 28, Twp. 3 S., R. 74 W.

    Clear Creek County. Griffith Mining Dist. 1/2 mile west of Silver Plume.
    Sec. 13, Twp. 4 S., R. 75 W.

    Eagle County. Battle Mountain Mng. Dist. Sec. 13, Twp. 6 S., R. 81 W.

    (Cont'd, on next page)
   Lake County; Granite Mag. District.
   Sec. 30, Twp. 11 S., R. 79 W.
   Solux Tieyo 47.

   Lake County. California Mag. Dist.
   Sec. 24, Twp. 9 S., R. 80 W.
   568 Maid of Erin.

29. Prospectus of the New Century Mining, Milling and Leasing Co.; Mine Managers' Reports for the year 1901. page 201.
   2p. (abstract)
   Lake County - Barry Lode. Lake Creek Mag. Dist. Echo Canon.
   Ouray County - Sunset Nos. 1 and 2. Sentinel Mining Dist., on north slope of Mt. Sneffels.
   (Sec. 6, Twp. 43 N., R. 8 W., N.M.P.M.)

30. Report on Copper Dist., Larimer County; Mine Managers' Reports for the year 1901, page 231. 3p.
   Larimer County. Howes Gulch Mag. Dist.
   Sec. 11, Twp. 7 N., R. 70 W. About 7 miles west of Fort Collins and 3 miles south of Bellvue.

   La Plata County. California Mag. Dist.
   Sec. 36, Twp. 37 N., R. 11 W., N.M.P.M.

   Mineral County. Sunnyside Mag. Dist.
   Sec. 13, Twp. 42 N., R. 1 W., N.M.P.M.

   Montezuma County. California Mag. Dist. on East Mancos River. Twp. 36 N., R. 12 W., N.M.P.M. Sundown, North Star etc.
34. The Silverton Quadrangle: Mine Managers' Reports for the year 1902. page 301. 3p. Ouray County. Twp. 40, 41 and 42 N., R. 7 and 8 W., N.M.P.M.


38. Report on the Mascotte Gold Mining Company's proposed tunnel from Park City, Park County, to Leadville, Lake County: Mine Managers' Reports for the year 1902, page 267. 1p. Park County. Mosquito Mining District. Sec. 11, Twp. 9 S., R. 78 W.


42. Mining possibilities in the Hahn's Peak District: Mine Managers' Reports for the year 1902, page 292. 1p. Routt County. Hahn's Peak District.


Colorado State Bureau of Mines (Cont’d.)


San Miguel County. Lower San Miguel, Mt. Wilson, Snyderville and Upper San Miguel (Telluride) Mag. Dist. Twp. 42 and 43 N., Rs. 9 and 10 W., N.M.P.M. Geology of Savage Basin, Veins worked pp. 7-15.

San Miguel County. Upper San Miguel Mag. Dist. Sec. 4, Twp. 42 N., R. S. W., N.M.P.M. Argentine, Red Cloud, Champion and Chieftain claims.


San Miguel. Upper San Miguel Mag. Dist. Sec. 4, Twp. 42 N. R. 8 W., N.M.P.M.

San Miguel Co. Upper San Miguel Mag. Dist. Sec. 4, Twp. 42 N. R. 8 W., N.M.P.M.

San Miguel County. Upper San Miguel Mag. Dist. Secs. 29, 30, 31 and 32, Twp. 43 N., R. 8 W., N.M.P.M.

Colorado State Bureau of Mines (Cont’d.)


San Miguel County. Iron Springs Mag. Dist. Sec. 33, Twp. 42 N., R. 9 W., N.M.P.M. 1 mile from Ophir Station.

San Miguel County. Iron Springs Mining Dist. Sec. 33, Twp. 42 N., R. 9 W.

San Miguel County. Iron Springs Mining Dist. Sec. 33, Twp. 42 N., R. 9 W., N.M.P.M.

Summit County. Peru District. Secs. 20 and 29, Twp. 5 S., R. 75 W.

Summit County. Peru District. Secs. 7 and 18, Twp. 15 S., R. 69 W.

Teller County. Cripple Creek Mining Dist. Secs. 18 and 19, Twp. 15 S., R. 69 W.

Teller County. Cripple Crk. Mag. Dist. Secs. 18 and 19, Twp. 15 S., R. 69 W.

Colorado State Bureau of Mines (Cont'd.)

Teller County. Cripple Creek. Mag. Dist. S. 3/4 Sec. 19, Twp. 15 S., R. 69 W.

Teller County. Cripple Creek. Mag. Dist. N. E. 1/4 Sec. 20, Twp. 15 S., R. 69 W.


68. Report on the Golden Cycle Mine, Teller County; Mine Managers' Reports for the year 1901, page 432. 2p. 7 maps.
Teller County. Cripple Creek. Mag. Dist. Sec. 28, Twp. 15 S., R. 69 W.

Teller County. Cripple Creek. Mag. Dist. Secs. 29 and 32, Twp. 15 S., R. 69 W.

Teller County. Cripple Creek. Mag. Dist. Secs. 29 and 32, Twp. 15 S., R. 69 W.

Teller County. Cripple Creek. Mag. Dist. Secs. 29 and 32, Twp. 15 S., R. 69 W.

Teller County. Cripple Creek. Mag. Dist. Secs. 29 and 32, Twp. 15 S., R. 69 W.

73. Report on the Portland Gold Mag. Co., El Paso County; (now Teller Co.)

Teller County. Cripple Creek Mag. Dist. Secs. 29 and 32, Twp. 15 S., R. 69 W.


Teller County. Cripple Creek Mining Dist. N. W. 1/4 Sec. 32, Twp. 15 S.R. 69 W.

Teller County. Cripple Creek Mining Dist. N. 1/2 Sec. 32, Twp. 15 S., R. 69 W.

77. Report on the properties of the Lincoln Mountain Mining & Smelting Co., in Cripple Creek Mining Dist., Teller County; Mine Managers' Reports for the year 1901, page 479. 2p.
Teller County. Cripple Creek. Mag. Dist. 4 miles N.W. of Cripple Creek on Bernard Creek about 1 mile north of Baxterite Mountain. About Twp. 14 S., R 69 or 70 W.

Teller County. Cripple Creek Mining Dist. Secs. 18 and 19, Twp. 15 S. R. 70 W.

Teller County. Cripple Creek. Mag. Dist. 1-1/2 miles from Cripple Creek.
S. E. 1/4 Sec. 2, Twp. 15 S., R. 70 W.

Colorado State Mining Association.
1. Reports of the Seeler Survey Committee and Sub-Committee of the State Mining Assn. on possible available ores in the Front Range Counties. John T. Joyce, Chairman. 3p. 1929.
   Boulder, Clear Creek, Gilpin and Summit Counties.

Colorado State Planning Board.
1. Oil and gas resources of Colorado.
   Material prepared by R. L. Young. 3p. c1934. tab.

   Relation to industrial development, as well as health, stressed. The purpose of this report is to disseminate information on the problem of stream pollution so that public opinion may be intelligently formed.

Colorado Springs Mining Stock Association.
   Teller County. Cripple Creek Mining District.
   Also properties not in Teller County.

Colorado Travertine Company.
1. Colorado Travertine stone. (Circular of Company) Chaffee County. See also Haynes, Justin H., 1. and Park, Allen S., 1.

1. Report on the Ottawa group of mining claims, Clear Creek County. 5p. 1907, 1919, 1922.
   Clear Creek County, Lincoln Mag. Dist. Yankee Hill, near Silver Lake and Silver Creek.

Consolidated Extension Mines Company.
1. Statement concerning the Central Seventy Acre group. 2p. n.d. map.
   Emma Aimee and other claims.


3. Little May Tunnel group. 2p. n.d.

Cook, W. Felder.
1. Statement concerning the King Bee group of mines. 4p. 1910.
   Gilpin County. Russell Mining District.

Cortellini, John C.

Craig, John L.
1. Report on the Bessie Junior mining property, La Plata County, 2p. 1936. 2 maps.
   La Plata County, California Mag. Dist. West side of La Plata Canon, about 6 miles from La Plata City. About Twp. 37 N., R. 11 W., N.M.P.M.

Crapo, J.B.
1. Comparison of the Skull Creek well log with the Halls Canon section, including reports by Harry A. Aurand and Charles Ryniker. 11p. 1933.
   Moffat County. SW/C of Sec. 16, Twp. 4 N., R. 101 W.

Croser, Harry
1. Notes on the development of Gold mining on land in the vicinity of Shavano Mountain, Chaffee County. 2p. 1936.
Crump, R. E., and Frohmel, H. W. C.

Dall, Thomas A.
Hinsdale County. Lake Mining District 3 miles south of Lake City.

Dace, C. H., and Pearce, W. G.
1. Geology and oil and gas prospects in part of eastern Colorado.
See U. S. G. S., 3

Dancey, George Welsh
Summit County. Ten Mile Mining Dist. 106° 8' - 106° 16' W. Long., 39° 22' 32" - 39° 30' 30" N. Int. The object of this preliminary report is to give the owners an idea of the value of the surface equipment and tonnage already mined.
Careful discussion of the geology and ore deposits.

Dantzer, C. Tim
In Plata County. On Animas River. Twp. 37 N., Rs. 8 and 9 W., N.M.P.M.

Dantzer, C. Tim, and Oliver, H. L.
See Oliver, H. L. and Dantzer, C. Tim, 1.

Deems, C. W.
Gilpin Co. Russell Gulch Mining District.

Del Monte Mining and Milling Co.
Mineral County. Sunnyside Mining Dist.

Mineral County. Sunnyside Mining Dist.

Dennison, James
In Plata County. California Mmg. Dist. Secs. 22, 26 and 35, Twp. 37 N., R. 10 W., N.M.P.M.

Denver Fire Clay Company
Brief description of refractories, other than fire clay, classified as (a) acid, (b) basic, (c) neutral; together with tests of fire clay brick.

Dickerman, E. D.
1. Report on the proposed Leadville Mining Dist. drainage tunnel. PWA Form 156. 9p. 1935.
Lake County. California Mining District.

Dittus, E. J.
Gunnison County. Rock Creek Mmg. Dist. base of Sheet Mountain 5 miles from Marble.

Donaher, Phillip J.
1. Statement concerning the Crummer mine. 1p. 1936.
Fremont County. Cotopaxi Mmg. Dist. 7 claims and mill site, 1 mile north of Cotopaxi.
Dowser, R. H.
1. Report on the Bimetallist-Hawkeye claims
San Juan region, Ouray County, Colorado.
4p. n.d. map.

Ouray County. Camp Bird Mng. Dist. About
7 miles from Ouray in a southwesterly
direction on the southeast slope of
Mount Potosi.

Dutton, George W.
1. Report on the Consolidated mining holdings
of the Sternberger Bros., consisting of
the Pennsylvania Mining, Power & Reduction
Co., the Lucania Mines and Tunnel Co.,
the Fall River Power Company, the Lotus
group of mines, the Hara Avis mine and
others. 24p. 1918.

Clear Creek and Gilpin Counties.
In 16 mining districts and covering an
area of about six miles square.

Dwelle, J. E.
1. Report on the Daisy group, Redwall Basin,
Gunnison County. Colo., 4p. n.d. 2 maps.

Gunnison County. Elk Mountain Mng. Dist.
6½ miles by trail N.W. of Crested Butte.
Assays by L. E. Paddock, 1926.

Twp. 13 S., R. 86 W.

Dwinell, W. H.
1. Report (based on conversations with Mr.
Z. R. Stocker) on the stocker claims in the
Consolidated Montgomery Mng. Dist.
3p. 1936.

Park County. Consolidated Montgomery
Mng. Dist. about 12 mi. N. of Alma.

Emmons, Samuel Franklin
1. Geographic relations: Tenmile District
between meridians 106° 8' and 106° 16' of
longitude west from Greenwich and the
parallels 39° 22' 30" and 39° 30' 30"
of north latitude, 1p. 1896.

Summit County. Ten Mile Mng. District.

Emmons, William H.
1. Report on the Neglected mine and nearby
properties in La Plata County, 4p. 1904.

La Plata County. California Mng. Dist.
Near the head of Junction Creek in Oro
Fino District.

Sec. 26, Twp. 37 N., R. 10 W., N.M.P.M.

Erlich, F. H.
1. Report on the Garmesa gas field, Carfield
and Mesa Counties, western Colorado. Prepared
for the Fulton Petroleum Corp. 9p. 1930.

Carfield and Mesa Counties. Garmesa Gas
Field. Twps. 7 and 8 S., Rs. 102 and 103
W. Garmesa Anticline. Well logs and Gas
analysis, Gypsy Oil Co. well, Carbon
Dioxide Gas, Natural Gas, Book Cliffs.

2. Reconnaissance geological report on White
River Dome, northwestern Colorado. 5p. n.d.
White River Dome, about 20 miles west of
Meeker, near the junction of White River
and Piceance Creek.
Twps. 1 and 2 N., Rs. 96 and 97 W.

Ernest, R.H.
1. Lotus oil well No. 1, near Lamar, abandoned:
Newspaper clipping. 2p. 1936.

Prowers County. Sec. 15, Twp. 23 S., R.
46 W., near Lamar.

Evans, W. S.
1. Report on the Neglected mines La Plata
County, 13 patented claims near the head of
Gaines Creek, about 15 miles from Durango,
5p. n.d. map.

La Plata County. California Mng. District
Sec. 26, Twp. 37 N., R. 10 W., N.M.P.M.

Fair, Fred A.
1. Report on the mining estate of the Sunshine
Group of mines located in Gold Hill Mining
Dist. Boulder County. 35p. 1933.

Boulder County. Gold Hill Mng. District.

2. Report on the Pandora group of mines,
located on Pomeroy mountain, Grand Island Mng.
Dist. Boulder County, Colorado and the
Develing Pandora mining claims, Caribou
Mining Dist. Boulder County. Owned by
Pandora Metals, Inc. 6p. 1927.

Boulder County. Grand Island and Caribou
Mining Districts. silver.

3. Report on the Comstock group of mines,
property of the Pandora Metals, Inc. 6p.
1928.

Boulder County. Grand Island Mng. Dist.
Caribou Hill. silver.
Fair, Fred A. (Cont’d.)

   Boulder County. Sugarloaf Mag. Dist. Sec. 19, Twp. 1 N., R. 71 W. on Logan Hill.

6. Preliminary report on Chingis Khan-Poorman Relief group of mines, Boulder County. 2lp. (15) 1930.

7. Geological survey of the tungsten mines in proximity to the Clark Tunnel at Tungsten, Boulder County. 6p. 1931.
   Boulder County.

8. The Oregon and the Little Patsy Feldspar mines, Jefferson County, Colo. 6p. 1930.
   Jefferson County.
   Between the north fork of the South Platinum and the main South Platte River. 6.1 miles from Buffalo, Colorado.

Fair, Fred A., Chase, A. E., and others.

Fair, Fred A., and George, R. D.
   Boulder County. Grand Island Mining District.
   Sec. 8, Twp. 1 S., R. 73 W., on the north slope of Caribou Mountain. See George, R. D., and Fair, Fred A., 1.


Fanning, John F., and Smith, George A. Lacey.
1. A report on the oil possibilities of the Roggen Anticline, Roggen, Weld County, Twp. 1, 2 and 3 N., R. 61, 62 and 63 W., and Twp. 1 S., R. 62 W. 5p. 1921.
   Weld County. (No second copy of report)

Fair, Fred G.
   Boulder County. Gold Hill Mag. Dist.

2. Report on the Old Kentucky Mining Company’s properties, Gilpin Co. 2p. n.d.
   Gilpin County. Perigo Mag. Dist. 21/2 miles N. of Central City and 1 3/4 miles south of the Perigo mine.

Fair, William A.
   Gilpin County. Russell Gulch Mag. Dist. Head of Russell Gulch on boundary line of Clear Creek County.

Fisher, C. A.
1. Compilation of chemical data concerning well known mineral waters. 5p. n.d. chart.
   El Paso County. Manitou, (Colo. Sprgs.) A statement of the chemical character medical properties, or therapeutic value of the various well-known mineral waters throughout the United States and Europe, with analyses.

Flood, J.N.
1. Report on the sampling operation and testing of the Caribou-Poorman ores. 1913.
   Boulder County. Grand Island Mag. Dist. This report forms a part of the report by George, R. D. and Fair, Fred A., 2.
   "Exhibit H."
    Clear Creek County. Idaho Springs Mng. Dist. about 3 mi. S. of Idaho Springs.

Foster, E. I.
    Gilpin County. Quartz Valley Mining Dist. 1 mile N. W. of Central City.

Foster, Ernest Le Neve, and Smith, Jr., Chas. A.
1. Report on the Neath mine, with assays by Ernest Le Neve Foster, 1906, and a supplementary report by Charles A. Smith, Jr. 1lp. 1932. 2 maps.
    Clear Creek County. Upper Union Mng. Dist.

Fryer Hill Mines Company, Leadville, Colorado.
1. Annual report of James W. Newell, General Manager. 6p. 1903.
    Lake County. California 1st. District. Sec. 19, Twp. 9 S., R. 79 W.

Fuller, Fred A.
1. Extracts from addenda report concerning the Barnes-Countlet group of gold mines. 4p. 1932.
    Gilpin County. Central Mining District.

Frank, Walter A.
1. Extracts from a report on the Arctic lode mining claim in Gilpin County by Walter A. Funk, M. E. 3p. 1911.
    Gilpin County. Blackhawk Mng. District near the summit of Blackhawk, about 1 mile southeast from Central City.


Funk, W. A., Kaminsky, John F., and Colpitt, F.H.

Garfield Vanadium Corporation.
1. A brief statement concerning the holdings of the company, 2p. n.d. map, illus.

Garfield County. Twp. 5 S., R. 92 W. 10 miles northeast of Rifle, Colorado.

George, R.D.
1. The Rockies a storehouse of riches. pp. 31-35. See University of Colorado, 1.

George R. D., and Fair, Fred A.
    Boulder County. Grand Island Mng. Dist. Sec. 8, Twp. 1 S., R. 73 W., on the north slope of Caribou Mountains.

2. Reports on the Boulder County Mine, Boulder County, Colorado. 140p. 1919.
    Boulder County. Grand Island Mng. Dist. Secs. 8, 9 and 10, Twp. 1 S., R. 73 W. East of Caribou on Boulder County and Idaho Hills.

Gilpin County Chamber of Commerce.
1. Topographical map of Gilpin County, and official information as to the mineral industry of the county. One of the greatest gold bearing districts on earth. Issued by the Gilpin County Chamber of Commerce, Central City, Colo. Geo. W. Schneider, M.E. George S. Clason, Draftsman.
    Gilpin County. Enumerates the mining districts and names the properties in each.

Gold Pit Placer Co.
    Clear Creek County. Grass Creek Mining District. Daniel Aepel Placer.

Gould, Charles N.
    12 miles north of Trinidad. Black Hills area. Secs. 7, 18 and 19, Twp. 31 S., R. 63 W. and in Secs. 9, 10, 11, 12, 13, 14, 15, 16, 17 and 18. Twp. 31 S., R. 64 W. Rayback area, Sec. 30, Twp. 30 S., R. 64 W.

Greene, F. C.
1. Operation data, costs, etc. re: Greene-Laucks process. 4, 3, 2, 1p. 1920.
    See Greene-Laucks Process.
Cross, John
1. Report on Plomo mining property. (Rito Seco properties.) 1909. See Ritter, Etienne A., 2. (Sec. 9)

Gunther, Charles Godfrey
1. The gold deposits of Plomo, San Luis Park, Colorado. 1906.
   See Ritter, Etienne A., 2. (Sec. 15)

Hager, Dorsey
1. Southeastern Colorado possibilities. Overlooked section has been studied by geologists since finding of oil in Cimarron County, Oklahoma: Oil and Gas Journal, Sept. 8, 1927.
   Las Animas County area; Bent, Otero and Las Animas Counties. This paper is a study of the Pennsylvania and pre-Pennsylvania areas on the Sierra Grande Arch. Expected oil area.

Haldane, W.G.
1. Letter of W. G. Haldane on ore samples from Ballarat property. 1p. 1934.
   Boulder County. Ballarat Mining District.

Hamilton, Claude C.
1. Statement concerning the Willow Run Claim, Survey No. 629, on Sugarloaf Mountain. 1p. 1895.
   Boulder County. Sugarloaf Mng. District.

Hand, George H.

Harrison, Robert W., and Horn, Clifford R.
   Larimer County: Wellington-Fort Collins Field. Twp. 8, 9 and 10 N., R. 63 and 69 W. Fort Collins-Wellington Anticline. Natural gas.

Harrison, Thomas S.

Haynes, Justin H.
   Chaffee County.

Heizelman, Frank
1. Mining lease and option on property of Frank Heizelman, Crescent lode, Grand Union lode and St. Mary's lode, all being Survey No. 5527, in the Central Mng. Dist. in the County of Boulder and State of Colorado. 2p. 1932.
   Boulder County. Central Mng. District.

Heller, A. H.
1. Supplemental report upon the property of the King Bee M. & M. Co. (Additional to report of Thomas Tonge, under date of Oct. 4, 1906) 2p. 1905.
   Gilpin County. Russell Mng. District.

Heller, Edward
1. Pipe line from Wellington to Denver, Colo. 4p. n.d.

Henley, Charles H.
1. Geology of an area near Walsenburg, Colo. with reference to oil and gas possibilities. 2p. 1936.
   Twps. 25, 26, 27, 28 S., Rs. 60, 61, 62, 63, 64 W., in Pueblo, Huerfano and Las Animas Counties. Log of well in N. W. cor. Sec. 31, Twp. 27 S., R. 65 W.

Herald Democrat.
1. If memory comes he'll be wealthy. But Neon Hastings' old partner, who found rich mine on Mt. Elbert, is in an asylum; Herald Democrat, Leadville, Colorado, June 8, 1912. 5p.
   Lake County. Near Twin Lakes. Marc Jones' lost mine.

Hider, George
   San Juan County. Uncompahgre Mng. Dist., about 7 miles S. E. of Ouray on the north slope of Engineer Mountain. Sec. 19, Twp. 43 N., R. 6 W.
Hill, A. J.
   Boulder County. Ward Mining District.

Hills, Victor G.
   Mineral County. Creede Mining District.
   Bachelor Mountain.

Holden, George B.
1. The Albion group of mines. Ward, Boulder County. 4p. n.d.

Holland, John C.
1. Industrial engineering report on Barnes group of mines and Polar Star Mill. 2p. 1933.
   Gilpin County. Quartz Hill Mining District.

Holmson, Roy
   Otero County. S. W. 1/4 Twp. 26 S., R. 57 W.

   Las Animas County. Twp. 29 S., Rs. 55, 56 W.

Holmes, Richard W.
   Clear Creek County. Morris Mining Dist.
   Sec. 18, Twp. 3 S., R. 73 W.

Holmes, W. H.
1. The San Juan Banket. 2p. 1903.
   Ouray County. Red Mountain Mining Dist.
   Near the head of the tributaries that unite to form Cobb Gulch and Dry Creek on the north and Cutler Creek on the south.
   Below Baldy Mountain. Twp's. 44 and 45 N., R. 8 W., N.M.P.M.

Holmes, W. I.
1. Statement concerning the Mother of Cold and Daughter of Gold lode mining claims. 2p. 1935.
   Boulder County. Central Mng. Dist., 1/2 miles from Jamestown.
   S. W. 1/4 Sec. 20, Twp. 2 N., R. 71 W.

2. Statement concerning the Bluestone lode claims Nos. 1, 2 and 3. 2p. 1935.
   Boulder County. Grand Island Mng. Dist.

   Boulder County. Magnolia Mining District.

   Boulder County. Sugarloaf Mining District.
   Sec. 10, Twp. 1 N., R. 71 W., near Wall St.

5. Tungsten properties Memorandum on Sylvia lode. Snowbud lode. 1p. n.d.
   Boulder County. Sugarloaf Mining District.
   Gordon Gulch, 3 miles from highway.

   Boulder County. Ward Mining District.
   Sec. 6, Twp. 1 N., R. 72 W. at Ward.

   Boulder County. Ward Mng. Dist. Secs. 19 and 24, Twp. 1 N., R. 73 W. along Four Mile Creek, between the old camps of Sunnyside and Sunset.

8. Statement concerning the Gold Hill group of claims. 3p. 1935. map.
   Chaffee County. Trout Creek Mng. Dist.
   Sec. 23, Twp. 14 S., R. 78 W., 5 miles east of Buena Vista.

   Clear Creek County. Morris Mng. Dist.
   2 miles from Dumont.

10. Statement concerning the Pioneer Extension, Ben Harrison and John Russell group of claims. 3p. 1935.
    Clear Creek County. Morris Mng. Dist.
    In S. W. corner of Sec. 18, Twp. 3 S., R. 73 W. at Dumont.

11. Statement concerning the properties of the Shafter Mining Company. 3p. 1935.
    Clear Creek County. Spanish Bar Mng. Dist.
    Secs. 31 and 32, Twp. 3 S., R. 72 W., about 1 mile from Idaho Springs.
   1p. 1935.
   Costilla County. El Flomo Mag. Dist.
   Secs. 14, 23, 26, Twp. 32 S., R. 71 W. 10 miles northeast of San Luis.

13. Statement concerning the Golden Eagle, Ora, Auriferous and Kankakee lode mining claims
   by 2p. 1935.
   Gilpin County. Independence Mining District, 2 miles from Rollinsville.

14. Statement concerning the unpatented lode claims: Arnold No. 1, 2 and 3 and Arnold
   extension No. 1, 2 and 3. 2p. 1935.
   Gunnison County. Box Canon Mag. Dist.
   Sec. 35, Twp. 49 N., R. 4 E., 3 miles from Crookston.

   Hinsdale County. Lake Mining District, 2,500 feet west of the north edge of
   Lake San Cristobal on the easterly slope of a flat topped mountain about 11,800 feet high.

16. Molybdenum mining property No. 1, Adjoining Molybdenum Co. property, Climax, Lake
   County. Unsigned memorandum in possession of W. I. Holmes. 1p. n.d.
   Lake County. Harrington Mag. District.

17. Statement concerning the Wyandotte-Apex
   Gold Mining Co. 2p. 1935.
   Park County. Backskin Mag. Dist. Sec.
   20, Twp. 8 S., R. 78 W., 4 mi. W. of Alma.

18. Statement concerning the Blue River Placer
   No. 1. 4p. 1935.
   Summit County. Blue River Placer Dist.
   In Secs. 13 and 14, Twp. 2 S., R. 80 W. on sides and banks of Blue River.

19. Wapiti group, Breckenridge, Colo. Gold Run Dist., located in French Gulch and tributaries, and lode on adjoining Francemt Hill. 7p. n.d.
   Summit County. Gold Run District.

Horn, Clifford R.
1. Oil in northwestern Colorado. 5p. 1929.
   Rio Blanco County. White River gas field. White River Dome, between the south of
   Piceance Creek. Piceance Anticline, natural gas.

2. Report of an interview with Mr. E. C.
   Eastman on the Gregory-O'Neil group. 1p. 1936.
   Gilpin County. Gregory Mining District.

Horn, Clifford R., and Harrison, Robert W.
1. Report on Wellington-Fort Collins field.
   12p. 1933. 2 maps.
   See Harrison, Robert W., and Horn, Clifford R., 1.

Hoskin, Arthur J.
1. White River gas and oil are attracting
   attention of world to this section Grand

Humboldt Consolidated Mining Company.
1. Extracts from prospectus filed by Humboldt
   Properties in Clear Creek County. 5p. 1935.
   Clear Creek County. Chicago Creek-Ute
   Creek Mag. Section, 5 mi. S. W. of
   Idaho Springs.

Hunter, J. Fred
1. Report concerning an out-lier of the coal-
   bearing rocks of the Grand Mesa coal fields
   of western Colorado.
   See U. S. G. S., 9.

Ionides, S. A.
1. Report on the Greene-Laucks coal distilla-
   tion process. 6p. 1921.
   The object of this process is the manu-
   facture of oils, oil products and a
   smokeless, solid fuel, which is particu-
   larly well adapted to household use from
   coals. The feature of the process is the
   carbonizing of coal under mechanical
   pressure in a continuously operating
   retort.
Ionides, S. A. (Cont’d.)

2. Preliminary report on Greene-Laucks installation in Colorado. 9p. 1923. (map missing.)
   Source of coal: Location of mines and type of coal (coking) in the southern Field (Colo.)

3. Report on project for the installation of plants for reclaiming crank case drainings and the manufacture of a product for decolorizing the same. 10p. 1925.
   (Plant drawings missing)
   Part I. Plant installation.
   Part II. Manufacturing of Calisel (using Averlate or other clays)

Iron Silver Mining Company.

   Lake County. California Mfs. Dist. Moyer mine; Tucson mine; Blind Tom mine.
   Proserpine and Cumberland lode claims.
   Devlin. R. A. M., Cyclone lodes.

   Lake County. California Mining District.

3. Report of the Mine Manager for the years 1900 and 1901. 6 - 7p. From the file of Theodore E. Schwartz.
   Lake County. California Mfs. Dist. Sec. 30, Twp. 9 S., R. 79 W.
   Moyer and Tucson shafts.

Jenks, William

1. Report on the North Park and Vandalia Mfs. and Smelting Company’s property at Teller City, Grand County. 8p. 1923.

Jenner, Walter B.

   Gilpin County. Russell Gulch Mfs. Dist. About 2 miles south of Central City, on the southeastern slope of Quartz Hill and across Russell Gulch on the northwestern slope of Pewabic Hill.

Joyce, J.T.

   Clear Creek County. Idaho Springs Mining District.


Juhun, Joe L.

   Gunnison County. Rock Creek Mfs. Dist. At Crystal, 6 mi. southeast of Marble.

Kaminsky, John F., Colpitt, F. H., and Funk, W. A.


Keen, Perry

1. Pueblo County oil fields. Report given by Mr. Perry Keen to the Oil Committee of the Pueblo Chamber of Commerce. 5p. 1925.
   Pueblo County. Development in this section reviewed. Form of lease discussed. Baxter Prospect - Sec. 30, Twp. 20, R. 63 W.

Kellogg, A. W.

   Clear Creek County. Gold Dirt Mfs. Dist. 2½ miles south of Idaho Springs.
   With this is bound a report by Frank S. Winser.

Kennedy, George A.

1. Report on a portion of the general area of the San Juan Quadrangle (1931); together with a supplemental report on a portion of the San Juan Quadrangle with special reference to the Uncle Sam and other veins within the Ariadne Holdings, 1932. 10 - 3p. 1932. map.
   San Juan County. Animas Mfs. Dist. Twp. 41 and 42 N., Rs. 7 and 8 W., N.M.P.M.
   Gold Hub Mines Co., vein system, see map.

Kessler, F. C.

1. The Canon City embayment. 4p. n.d.
   Fremont County! Notes on the geology and minerals of the area.
Kirk, R. B.
   Summit County. Jo Davis Mng. District.

Kleff, J. M.
   Lake County. California Mining Dist. Mine drainage.

Kleff, J. M.
   Lake County. California Mng. District.

Knight, D. A.
   Clear Creek County. Idaho Springs Mining Dist. 2 1/2 miles W. of Idaho Springs.

Knowles, S. A.
1. Mining cost proposal (Rito Seco Properties) 1911. See Ritter, Estienne A., 2 (Sec. 8.)

Lakes, Arthur
   Rio Blanco County. White River. Gas field 20 miles west of Meeker.

   Rio Blanco County. White River Field 20 miles west of Meeker.

Lanzendorf, William
   Chaffee County. Monarch Mng. District.

Laucks, Irving F.
1. Low temperature tars resulting from the Greene-Laucks process. 8, 11p. 1925; 1p. 1930.
   Accompanied by a report on the refining of approximately one ton of crude oil obtained by carbonizing Colorado coal.
   Greene, Irving F.
   1. (Cont'd.)
   during 1920 and 1921, by the Greene-Laucks process of low temperature carbonization. See also Greene, F. D., 1. and Ionides, S. A., 1, 2.

Lavington, Charles S., and Perini, Jr., V.C.

Leaky, J. M.
1. Statement concerning the Loyal group of lode and vein mining claims. 1p. 1936.

Lee, Willis T.
1. Record of drilling wells near Denver (Sable), Wellington and Dover, Colo., and their bearing on the Cretaceous and Tertiary formations of eastern Colorado. 10p. 1917. map. (W. T. Lee)
   Adams, Larimer and Weld Counties.
   See U. S. G. S., 5.

Oil in Basalt near Trinchera, Colorado.
Notes by W. T. Lee, 3p. 1909.
Las Animas County. See U.S. G. S., 7.


Le Maistre, R.
   Clear Creek County. Upper Union Mng. Dist.

Lindemann, E. C.
1. Report made, by request, to a St. Louis party, on the Stewart lode mining claim, with copy of a prospectus issued before 1894. 10p. 1899.
   Gilpin County. Hawkeye Mng. District.
Litchfield, J.H.
1. Statement concerning the property of J.H. Litchfield in San Miguel Co. 5 p. 1928.
San Miguel County. Upper San Miguel Mag. Dist. Secs. 17 to 20, Twp. 42 N., R. 8 W., N.M.P.M.

Lone Wolf Mining Co.
1. Prospectus of The Lone Wolf Mining Company with data as to values and assays, together with letter from J. T. Joyce. 12p. maps.
San Juan County. Animas Mag. Dist. The Lone Wolf Mines, are a relocation of former Kittimac Mines, in North Fork of Minnie Creek.

Lowrie, Jr., H. W.
Pueblo County. Rock Canon Anticline. Black Oil Mining & Development Co.
Twp. 20 and 21 S., Rs. 65 and 66 W.

Luis Maria Baca Mining and Development Co.
1. Synopsis of the operation, development and possibilities of the project of the Luis Maria Baca Mining and Development Company. 9 p. 1935.
Saguache County. Baca Ranch No. 4, San Luis Valley, partly on the western slope of the Sangre de Cristo Range.

Lupton, Charles T.
   3 maps.
   Adams County. Twp. 2 and 3 S., Rs. 65, 66 and 67 W., 12 miles north of the center of the City of Denver. Well logs.

2. Report on the Branson structure, Las Animas County. 5p. 1923. map.
   Las Animas County. Twp. 35 S., R. 58 W. and Twp. 34 S., R. 58 W. Attached: Logs of wells drilled on Sec. 10-29-24,
   Colfax County, New Mexico and Sec. 6-31-33 Union County, New Mexico.

Mahoney, R. F.
   Ouray County. South Fork of Dexter Creek about 4 miles from Ouray.

Marchington, Clarence
   Clear Creek Co. Idaho Mag. District, 1/2 miles north of Idaho Springs on Seaton Mountain.

Marks, John H.
   Clear Creek and Gilpin Counties.

   Larimer County. Manhattan Mag. Dist.
   Twp. 9 N., R. 73 W. 30 miles west and 12 miles north from Fort Collins.

3. Report on the U. S. Marble Company, Canon City and Salida, Colo.,(in which is incorporated a copy of the descriptive report of the U. S. Marble Co. at Canon City and Salida by Peter H. Finn) by John H. Marks. 17p. c1930.
   Fremont County. Twp. 18 S., Rs. 70 and 71 W., 6th P.M., about 5 miles N.W. from Canon City. Twp. 49 N., R. 9 E., N.M.P.M.
   5 miles southeast from Salida.

4. Preliminary report, the Timberlake or Foursmile Placer Dist., Moffat Co. 9p. 1915.
   Moffat County. Foursmile Mining District.
   Twp. 8, 9, 10, 11 and 12 N., Rs. 91, 92, 93 and 34 W., 6th P.M. N.W. of Craig, Colo.

5. The Platte River placers. 13p. c1918.
   4 maps.
   Park County. Secs. 17, 18, 19, 20, 28, 29 and 30, Twp. 9 S., R. 77 W. Adjoining the town of Fairplay on the northwest.

Marrs, George Oliver
   Dolores County. Pioneer Mining District.
   Sec. 21, Twp. 40 N., R. 11 W., N.M.P.M.
   About 5 miles N.W. of Rico.
   #596 Johnny Wall, #1838 Legal Tender.
Martin, R. L.
   Boulder County. Gold Hill Mng. District.
   3-1/2 miles from Salina.

Martin, Samuel G.
   San Juan County. Bureka Mng. District.

Martine, W. J.
   Chaffee County. Trout Creek Mng. Dist. 16 miles east of Puena Vista.
   Custer County. Hardscrabble Mng. Dist. 6 miles southeast of Westcliff.
   Fremont County. Gem Mng. Dist. 15 miles north of Westcliff. E. 1/2 of S. W. 1/4 and W. 1/2 of S. W. 1/4, Sec. 33, Twp. 20 S., R. 73 W.
   Gilpin County. Gamble Gulch Mng. Dist. 4-1/2 miles S. of Rollinsville Gamble Gulch.
   Gamble Gulch.
   Gilpin County. Pine Mng. Dist. 2 miles west of Rollinsville.

Martine, W. J.
8. (Cont'd.)
   N.W. quarter of Tulloch Mountain 3 1/2 miles from Marble.
   Hinsdale County. Needle Mountain Mng. Dist. 24 mi. north of Bayfield at north end of Box Canon.
    Park County. Buckskin Mng. Dist. 3-1/2 miles from Alma.

Massey, Ben. E.
1. Mining engineer's report on the Mermaid mining group of claims. 6p. 1925.
   Boulder County. Ward Mining District 4 miles east of Ward.
2. Report for the Rex Developing Company on their properties in the Central City-Blackhawk Mining District, with a statement concerning the property by W.M. Mikosell and assay sheets. 12p. 1926.
   Gilpin County. Central City-Blackhawk Mining District.
   1 mile southwest of Rollinsville.
3. Mining engineer's report on the St. Lawrence, St. Lawrence Extension, Extension, Enterprise, and Telluride mining claims. 4p. 1925.
   Ouray County. Red Mountain Mng. Dist. 12 miles south of Ouray.

Mausheim, M. A.
1. Analysis of Fluorspar, etc. 3p. 1933.
   Chaffee County.

Maxwell, Frank A.
   Clear Creek County. Georgetown Mng. Dist. 1 mile from Georgetown.

McCain, Frank O.
1. A brief report on the Geological structure and the oil and gas possibilities of the Watkins-Bennett Anticline. 4p. 1933.
   Adams and Arapahoe Counties.
   Watkins-Bennett Anticline. Twps. 4 and 5 S., Rs. 63 and 64 W.
   (Continued on page 25.)
McCaflan, Frank 0.
1. (Cont'd.)
Hill's Dome Well Log, center of S.E. 
1/4 of S. E. 1/4 of Sec. 27, Twp. 3 S., 
R. 64 W.

McCausland, Ross D.
1. Report on Tomahawk-Black Diamond group of 
gold mines, La Plata County. 2 - 1sp. 
1936. map.
La Plata County. California Mag. Dist. 
On west side of La Plata River about 6 
miles from May Day on Basin Creek.

2. Report on the May Day mine, La Plata 
County, Colorado. 17p. 1934.
La Plata County. California Mag. Dist. 
On the southern slope of the La Plata 
mountains on the La Plata River.

3. Report on the Animas River placer, La Plata 
County, with additional comment by W. E. 
Buchanan, 5p. 1934.
La Plata County. Animas Mining District.

McCleave, James M.
1. Report on C. H. Conradson's Fuller's Earth 
deposit, Stoneham, Colorado. 8p. 1923.
Morgan County. Tested for use in refining 
oils; methods and results.

McClain, H. C.
1. Report on Mansfield group of mining 
claims. 3p. 1928. map.
Lake County. California Mining District. 
Southern flank of Printer Boy Hill.

McDonald, Jesse F.
1. Mining in the Leadville District of Colo.: 
Lake County.

McFadden, C.D., and McFadden, Geo. B.
1. Report on the Mineral Chief mine (letter.) 
3p. 2 maps.
See McFadden, Geo. B. and McFadden, C.D.

McFadden, George B.
1. Statement and opinion relating to the Iron 
Mask group of mines. 2p. 1935.
Clear Creek County. Morris Mag. Dist. 
Sec. 18, Twp. 3 S., R. 73 W. 
2 miles north of Dumont.

McFadden, George B., and McFadden, C.D.
1. Report on the Mineral Chief mine (letter) 
3p. n.d. 2 maps.
Clear Creek County. Twp. 4 S., R. 74 W.

McFadden, Lyn.
1. Report on the Wyandotte Apex Mining 
Company, with information furnished by 
Park County. Buckskin Mining District. 
Buckskin Gulch, 7 miles west of Alma.

McLeod, J. D.
1. Report on the oil and gas possibilities 
of the Douglas Creek Structure, with a 
brief report on the same structure by Dean 
E. Winchester. 3p. 1929.
Rio Blanco County. 
Twp. 2 and 3, Rs. 101 and 102 W. 
Helson Permit: E 1/2, N. E. 1/4, N. E. 1/2, 
Sec. 6; N. E. 1/4 Sec. 8; N. W. 1/4 Sec 9; 
all of Secs. 4 and 5, Twp. 3 S., R. 
101 W.

McLeod, J.N.
1. Report on the Free American and New 
York lode claims, 4p. 1901. 2 maps.
Gilpin County. Hawkeye Mining Dist. 8 
miles from Central City; 1 mile from 
Siberia.

McNair, Fred J.
1. Report on the survey of the London Option 
and the conflict with the London and 
American mines. 3p. 1932.
Park County. Mosquito Mining District. 
Sec. 7, Twp. 9 S., R. 76 W.

Meeker, Herald
1. Gasoline from natural gas on the White 
2p.
Rio Blanco County. White River gas 
field; White River Dome; natural gas; 
gasoline.

Miller, Frank C.
1. Early history of Coal Industry. Articles 
reprinted from former issues, with sketch 
of his life: Chronicle-News, Trinidad, 
Chemist of the Colorado Fuel & Iron Co.
Miller, Thomas Rude.

Miller, William J.H.
1. Statement of the Moose Mine estate. (The Moose Mine group and also the W. 1/2 of the W. 1/2 of Sec. 1, the E. 1/2 of the E. 1/2 of Sec. 2, Twp. 9 S., R. 73 W.) 4p. 1917. Park County. Consolidated Montgomery Mining District.

Milliken, John Tait
1. Report on the Hoosier mine, the property embracing about 45 patented acres comprising the Hoosier, the south two-thirds of the Frank Lee and Genoa; Iron King. Red Rock and Little Ella and all intervening ground between Frank Lee, Genoa, Little Ella and Red Rock occupies parts of Secs. 7, 8, 17 and 18, Twp. 15 S., R. 69 W., between Globe Hill and Tenderfoot Hill. 3p. n.d.
Teller County. Cripple Creek Mag. Dist.

2. Report on the Logan Tract mining property, with a memorandum of information concerning the Homestake Lode, Survey 8760 Am. 8p. 1934. Teller County. Cripple Creek Mining Dist. 35 acres east and south of the Golden Cycle mine. Underlying the City of Guffield, Secs. 28 and 29, Twp. 15 S., R. 69 W.

Mine Records

Mitchell, A. J.
1. Report on the Black Queen mine. 5p. n.d.
Gunnison County. Rock Creek Mag. Dist. 3-1/2 miles from Marble on Sheep Mountain.

Maurice, C. Richard
Boulder County. Ward Mining District 3/4 mile south of Ward. Sec. 12, Twp. 1 N., R. 73 W. A Thesis submitted to the Faculty of the Graduate School of the University of Colorado in partial fulfillment of the requirements for the degree of Master of Science, Department of Geology.

Nelson, A.P.
1. Mining districts, producing mines and prospective properties (of Gunnison Co.) 14p. n. d.
Gunnison County. Mining Districts.
Comment on the mining properties of the county, arranged by mining districts. Mines of:

<table>
<thead>
<tr>
<th>Mines</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Almont &amp; Taylor River</td>
<td>1</td>
</tr>
<tr>
<td>Crested Butte</td>
<td>1</td>
</tr>
<tr>
<td>Elk Mt. Mining Dist.</td>
<td>2</td>
</tr>
<tr>
<td>Ruby Mining Dist.</td>
<td>3</td>
</tr>
<tr>
<td>Rock Creek Mining Dist.</td>
<td>3</td>
</tr>
<tr>
<td>Vulcan or Dosingo Dist.</td>
<td>5</td>
</tr>
<tr>
<td>Cochetopa Mining Dist.</td>
<td>6</td>
</tr>
<tr>
<td>Box Canyon Mining Dist.</td>
<td>7, 10</td>
</tr>
<tr>
<td>White Pine</td>
<td>8</td>
</tr>
<tr>
<td>Gold Creek, Ohio City</td>
<td>8</td>
</tr>
<tr>
<td>Quartz Creek</td>
<td>10</td>
</tr>
<tr>
<td>Copper Mt. Tunnel</td>
<td>11</td>
</tr>
<tr>
<td>Oryx Marble Quarry, near Pitkin</td>
<td>14</td>
</tr>
<tr>
<td>Tin Cup Mining Dist.</td>
<td>14</td>
</tr>
</tbody>
</table>

Gunnison County. Minerals. A summary of the various metals and minerals, arranged in alphabetical order, that, according to authentic information, have to date been discovered in Gunnison County.

Nelson, W. Porter
Gunnison County. Rock Creek Mag. Dist. 3/8 mile from Crystal and 5 miles east of Marble, south slopes of Sheep Mountain.

Gunnison County. Rock Creek Mining Dist. 7 miles east of Marble.

Naugebauer, Karl E.
Saguache County. Sec. 2, Twp. 2 N., 3 E., N.M.P.M. 25 miles north of South Fork, Rio Grande County.

The text of the page appears to be a continuous narrative or exposition, likely discussing a topic in depth. It is written in a formal, academic style, typical of academic or professional texts. Given the length and the density of the text, it seems to be a detailed analysis or explanation of a particular subject. However, without further context or a more comprehensive view of the surrounding pages, it is challenging to provide a more specific interpretation of the content.
Osborne, Elbert Franklin, and Rainwater, Edward Harrison

   La Plata County. California Mng. District.
   18 miles west of Durango, about 1 mile from May Day. Secs. 23 or 26, Twp. 36 N.,
   R. 11 W., N.M.P.M.

Park, Allen S.

   Chaffee County.

Park, Stark O.

   La Plata County. California Mng. District.
   18 miles west of Durango, about 1 mile from May Day. Secs. 23 or 26, Twp. 36 N.,
   R. 11 W., N.M.P.M.

Parsons, Floyd W.

1. Colorado will be Mecca for the oil:
   Saturday Evening Post, March 21, 1920. 4p.
   Mesa County. DeBeque field. This article describes the Oil Shale resources of Colo.

Patrick, W. B.

   Boulder County. Central Mng. District.
   Near Jumestown.

Paul, W. H.

   12p. 1924. 2 maps.
   San Juan County. Las Animas Mng. Dist.
   Arastra Calch, near Silverton. Twp. 41 N., R. 71 W.

Pearson, John F.

1. Mining in Gunnison County. 2p. n.d.
   Gunnison County.

Pennsylvania Mining, Power and Reduction Company.

1. Property of the Pennsylvania Mining, Power and Reduction Co., in Clear Creek County, Colo.
(Continued on page 26)
Pennsylvania Mining, Power and Reduction Co.

1. (Cont’d.)

Property of the Pennsylvania Mining, Power and Reduction Company in Gilpin County, Colorado; property of Leopold and Samuel Sternberger in Gilpin County, Colorado; property of Leopold Sternberger in Clear Creek County, Colorado; property of Samuel Sternberger’s estate in Clear Creek County, Colorado; property of Leopold Sternberger in Gilpin County, Colorado. 13p. n.d. Clear Creek and Gilpin Counties. See also Dutton, George W., I. Jerners, Walter R., I. Marks, John H., I. and Sadlter, Benjamin, I.

Perini, Jr., V. A., and Lavington, Charles S.

1. Divide Creek Anticline, Garfield and Mesa Counties, Colo. Geology by T. C. Perini, Jr. and Charles S. Lavington, assisted by James Dunce, State Inspector of Oils. 15p. n.d. Garfield and Mesa Counties. Twps. 6, 7, 8 and 9, Rs. 90 and 91 W. Divide Creek Anticline.

Finkley, George R.

1. A summary of geological conditions covering southwestern Las Animas County, Colorado. Prepared for the Mountain States Oil Corp. of Denver. 23p. 1931. This report places special emphasis on the possible oil producing structures observed.

Las Animas County. Barela gas field. San Francisco Creek Anticline. Whiskey Creek structure. Drilling suggested: Sec. 19, Twp. 33 S., R. 61 W., Sec. 32, Twp. 33 S., R. 62 W., Sec. 34, Twp. 33 S., R. 62 W., and also on Whiskey Creek.

2. Geological report on Granite outcrop east of Stonewall, Las Animas County, Colorado. 2p. n.d.

Las Animas County. Maxwell Land Grant. Approximately in Sec. 20, Twp. 53 S., R. 58 W.

Place, Richard G.

1. Radium in Boulder County. 1p. 1936.


Prommel, H. W. C.

1. Geologic report on the San Carlos anticline, Pueblo County, Colo. 3p. 1918 map. Pueblo County. 12 to 16 miles south of Pueblo. Twps. 22 and 23 S., Rs. 64 and 65 W. San Carlos Anticline.


Weld County. Greenwood field. N. W. 4 of the S. W. 4 of the N. E 4 of Sec. 26, Twp. 6 N., R. 61 W.

3. Geologic report on the vicinity of Kit Carson, Chiechey County, Colo. 6p. 1918 map. Chieehey County. Twps. 12 to 16 S., Rs. 45 to 50 W.

4. Reconnaissance investigation of the Wray gas field, Yuma County, Colorado, and the Anticline exposed along the Smoky Hill River, Grove, Logan and Scott Counties, Kansas. 4p. 1921. (Under direction of Fisher & Lowrie).

Yuma County. Wray gas field. Twp. 2 S. R. 43 W.

5. Reconnaissance report on the Hidden Dome, Pueblo County, Colo. 3p. 1922. map.

Pueblo County. Twps. 18 and 19 S., R. 65 W. Hidden Dome.


Huerfano County. Twps. 26, 27, 28 S., Rs. 67, 68, 69 W.


Boulder County. Ward Mining District.

8. Brief report on the Kennerly and other lode claims on Whitehouse Mountain, Gunnison County, Colorado. 1p. 1929.

Gunnison County. Rock Creek Mining Dist. From Marble 2 miles to the foot of the trail up Whitehouse Mountain.


Gunnison County. Rock Crk. Mng. Dist. Sec. 36, Twp. 11 and 12 S. Rs. 86 and 87 W. 9 miles south of Marble.
Purdy, Frank
1. Description of the Peter Sweeney group of claims in the Alice Mining District, Clear Creek County. 1p. 1933, map.
Clear Creek County. Alice Mag. District.

Rainwater, Edward Harriman, and Osborne, Elbert Franklin
See Osborne, Elbert Franklin, and Rainwater, Edward Harriman, 1.

Rank, Samuel A.
Production report. 7p. c1902.
Gilpin County. Illinoia Central Mining District. At Central City.

Read, J. R.*
In Plata County. California Mag. Dist. On ridge or water shed of the headwaters of the Middle Fork of the Herronas River. *R. 10 seems more likely to be correct.

2. Statement concerning the Wayt & Myers group of mining claims situated in Boren Gulch,
In Plata County. Colo. 2p. 1936. map.
In Plata County. California Mag. Dist. Between Lily Bell and Tomahawk mines. Secs. 26, 30, Twp. 37 N., Secs. 3 and 4, Twp. 36 N., R. 11 W., N.M.F.M.

In Plata County, Colo. 4 - 5p. 1936. map.
In Plata County. California Mag. District. In a small cordon between Falls Creek and Tripp Gulch. 2 1/2 miles west of Trumble Springs. Secs. 7, 8 and 9, Twp. 36 N., R. 9 W, N.M.F.M.

4. Report on the Lucky Discovery Mine Company,
In Plata County, Colo. 3p. 2 maps. 1936.
In Plata County. California Mag. Dist. Secs. 17 and 18, Twp. 36 N., 11 W., N.M.F.M. South and East side of Root Gulch.

5. Report on the May Day Extension Group,
In Plata County, Colorado. 2p. 1936.
In Plata County. California Mag. District. Sec. 27, Twp. 36 N., R. 11 W., N.M.F.M. Snow Slide Gulch. "Gustas Brothers Mine"

In Plata County. California Mag. Dist. Sec. 24, Twp. 37 N., R. 11 W., N.M.F.M.

7. Report on the Western View mining group,
In Plata County, Colo. 5p. 1936. map.
In Plata County. California Mining District. Secs. 30 and 31, Twp. 36 N., R.11 W, N.M.F.M.

* Project Field Investigator.
La Plata County, Colo. Lucky Ray.  
Last Chance, Moonlight, etc. 3p. 1936.  
La Plata County. Colorado Mining Dist.  
Sec. 19, Twp. 37 N., R. 10 W. and Sec. 24, Twp. 37 N., R. 11 W., N.M.P.M.  

Richardson, Charles S.  
Boulder County. Grand Island Mining Dist.  
This report forms a part of the report by George, R. D., and Fair, Fred A., 2. "Exhibit C"  
2. Report on No Name Mine. 6p. 1879.  
Boulder County. Grand Island Mining Dist.  
This report forms a part of the report by George, R. D., and Fair, Fred A., 2. "Exhibit E"  

Ricketts, Forbes  
Gilpin County, Russell Gulch Mining Dist.  

Ricketts, T. A.  
Hinsdale County. Lake Mining District.  

Rilanc, James L.  
1. Mineral resources of Rio Blanco County, Colorado. 15p. 1936; map.  
Rio Blanco County.  

Ritter, Etienne A.  
1. Report on the properties of the American Fluorspar Corporation, with additional remarks by O.K. Burge. 15p. 1934. 5 maps. 4p. illus.  
Chaffee County. Browns Canon Mining Dist.  
E. 1/2 Sec. 27, Twp. 51 N., R. 8 E., N.M.P.M. about 8 miles north of Salida.  
2. Report on the Rito Seco mining property located in Costilla County, Colo., by Etienne A. Ritter, preceded by copies of all available reports and data concerning the property. (See index.) 170p. 1934.  

Ritter, Etienne A. (Cont'd.)  
Eagle County. Wilkinson Mining District.  
Twp. 5 S., R. 79 W.  
4. Report on the three groups of mining properties known as the North Pole, the Carbonate-Ron-Ton and the Harris and Farley. 6p. 1935. map. 5p. illus.  
Gunnison County. Rock Creek Mining District.  
Northeastern slope of Treasury Mountain at Crystal.  
Gunnison County, Rock Creek Mining Dist. 6p. 1928. 2 maps. 6p. illus.  
Gunnison County. Rock Creek Mining District.  
Adjoining the town of Crystal.  
Gunnison County, Whitepine Mining District.  
La Plata County. California Mining District.  
About 13 miles northwest of Durango, at headwaters of Junction Creek.  
Teller County. Cripple Creek Mining District.  
La Plata County. California Mining District.  
One mile from the May Day spur. Secs. 21 and 22, Twp. 36 N., R. 11 W., N.M.P.M.  

Robinson, James K.  
Boulder County. Gold Hill Mining Dist. On the ridge between Ingram and Emancipation gulches.
Rohlfing, L. P.

   Pitkin County. Aspen Mining District.

2. Report on the Independence gold property, Pitkin County, Colo., with assay report by
   Charles O. Parker Co. 7p. n.d.
   Pitkin County. Independence Mining Dist. Secs. 1, 2, 11, 12, Twp. 11 S., R. 83 E. W. and
   Secs. 6, 7, 8, Twp. 11 S., R. 82 E. W., east flank of Independence Mountain
   and west flank of Mt. Hope.

Rohwer, F. W.

1. Pond Creek Anticline. 2p. n.d.
   Crowley County. Lincoln County.
   Twp. 18 S., R. 57 W., Twp. 17 S., R. 57 W., and Twp. 17 and 18 S., R 56 W.

Roe, A. P.

   La Plata County. California Mag. Dist. On Basin Creek, about 1-1/4 miles west of
   the La Plata River. Sec. 27, Twp. 37 N., R. 11 W., N.M.P.L.

Rosenberg, Karl D.

1. Preliminary report on the commercial possibilities of the oil shale industry in
   Colorado, together with some general observations on the "Ute Rock," the "Hope"
   and the "Federal Annex" groups in Garfield County. 13p. 1918.
   Garfield County. Ute Rock group: Twp. 7 S., R. 99, 100 and 101 W.
   Hope group: Twp. 7 S., R. 95 W.
   Federal Annex group: Twp. 5 S., R. 96 W.

Rosenberg, Theodore

1. Report on Hydro-Electric development by the Hille power pipe line in Garfield County,
   Colorado. 2p. 1924.
   Garfield County. Ideal oil shale placer claim. From Cache Creek in Sec. 33, Twp. 7 S.,
   R. 74 W. on land of the No. 14.

2. Statement concerning the Deer Gold Mining Company's property, Donovan, Deer, Ocean
   Wave and Antelope lodes, 1p. 1901 map.
   Lake County. California Mag. District. Secs. 21 and 23, Twp. 9 S., R. 79 W.

Rolle, Wm. M.

1. Report on the Finch group of mines, situated in Magnolia Mining District,
   Boulder County. Magnolia Mining District. Located at Eagle Rock.

Rusell, William C.

   Boulder County. Grand Island Mag. Dist.
   This forms a part of the report by George, R. D., and Fair, Fred A., 2. "Exhibit D

Rusell, William G.

1. Commercial possibilities of Oil Shale industry in America and this section are
   Mesa County. De Beque field.
   Garfield County. Grand Valley field. Oil shale.

Sadtler, Benjamin

   Clear Creek and Gilpin Counties.
   Located between the mining camps of Idaho Springs and Central City.

2. Report on the Henrietta mining group, San Juan County, Colo. 4p. map. assay sheet.
   San Juan County. Animas Mining Dist.
   On a small stream running into Cement Creek at a point about 6 miles from Silverton.

Sanderson, H. S.

1. Report of properties of the North American Mining Co., situated in Clear Creek, Gilpin,
   Boulder and San Juan Counties, Colorado. 1-12p. 1927. 3 maps.
   Clear Creek, Gilpin, Boulder and San Juan Counties.

Savage, H. K.

1. Oil shale and its possibilities, with data relating to the production of gasoline from
   Mesa County. De Beque field.

Schneider, Charles M.

1. Report on milling ores in the Rock Hocking mine of the Argentine Gold Mining Company,
   with report to the company from C. A. Baker, Superintendent. 4 - 2p. 1935.
   Park County. Alma Mag. Dist. 2 1/2 miles Southwest of Alma on the Copper Gulch Fault.
Schooley, F.L.

   Boulder County. Sugarloaf Mining Dist.
   Sec. 18, Twp. 1 N., R. 71 W., near Wall Street.

   3p. 1934.
   Clear Creek County. Morris Mtn. District.
   Above the town of Lawson.

Schwarz, Theodore E.

   Virginia Canon. 2p. 1879.
   Clear Creek County. Idaho Mtn. District.
   Sec. 22, Twp. 3 S., R. 73 W.
   Virginia Canon.

   Company on their property at Alma, Park
   County, Colo. Sept. 15, 1895 with a Supple-
   1896.
   Park County. Mosquito Mtn. Dist. On
   southeastern slope of Loveland Mountain,
   on the north side of Mosquito Creek, 2½
   miles west of Alma.
   Sec. 10, Twp. 9 S., R. 6 7/8 W.

3. Magnetic separation with special reference
   to James W. Neil's patent (zinc ores). 7p.
   n. d. Unsigned. From the files of
   Theodore T. Schwarz.

4. Report upon property of Thos. L. Wood at
   Camp Albion, Boulder County, Colo. 6p. 1906.
   Boulder County. Snowy Range Mtn. Dist.
   Sec. 18, Twp. 1 N., R. 73 W.

5. Report on the property of the Four Mile
   Gulch Mtn. Co. 6p. 1904, with a supplementary
   report. 4p. 1906. 10p.
   Clear Creek County. Enterprise Mtn. Dist.
   Adjoining the town of Black Hawk.
   Sec. 7, Twp. 3 S., R. 72 W.

6. Report upon the Huntington lode. 2p. n.d.
   Clear Creek County. Griffith Mining
   Dist. On Saxon Mountain, 2,000 feet
   above Georgetown. Sec. 8, Twp. 4 S.,
   R. 74 W.

7. Report on the Cave Group property, Fulford
   Camp, Colorado. 9p. n.d.
   Eagle County. Fulford Mtn. Dist. Western
   slope of New York Mountain. Sec. 19,
   Twp. 6 S., R. 82 W.

Schwarz, Theodore E.

   Company in Gilpin County, Colo. 6p. 1895;
   together with a report by an unnamed
   auditor. 13p. 1895.

   Gilpin County. Nevada Mining Dist.
   Sec. 11, Twp. 3 S., R. 73 W.

9. The First Centennial Mine. Gilpin County,
   Colo. 7p. 1894; together with a description
   of the property by J.N. Lange. 7p. n.d.
   Gilpin County. Gregory Mtn. Dist. Chase
   Gulch, adjoining Central City and
   Black Hawk. Sec. 12, Twp. 3 S., R. 73 W.

10. Report to the Captive Inca Mining Company
   on the position of the Amethyst-lust Chance
   vein with reference to its property, 1904,
   with a report upon the identity of the vein
   cut in its recent workings. 1905. 7 - 3p.
   Mineral County, Sunnyside Mtn. Dist.
   West side of Deer Creek, on Mineral Hill,
   by road up West Willow Creek. Secs. 2
   and 11, Twp. 42 N., R. 1 W.

    Co., in the Horseshoe Mtn. Dist. 10p. 1897.
    Park County. Horseshoe Mining District.
    On the east slope of the Mosquito Range,
    the ridge at the head of Iowa and Empire
    Gulches (which lie on the west slope),
    and on the slopes of Mt. Sheridan.
    Sec. 1, Twp. 10 S., R. 76 W.

12. Report on the Placer properties proposed
    to be consolidated as the Gold Run Consol-
    idated as the Gold Run Consolidated Mtn.
    Company. 9p. 1880.
    Summit County. Union Mtn. Dist. On Gold
    Run Creek which empties into the Swan, a
    tributary of the Blue River. 3 miles
    northeast of Breckenridge.
    Sec. 20, Twp. 6 S., R. 77 W. Walker,
    Peabody and Mumford placer mines.

13. Report on the Wellington property of the
    Colorado and Wyoming Development Company.
    10p. 1905.
    Summit County. Swan Mtn. Dist. On Mineral
    Hill, on the north side of French Gulch.
    2½ miles from Breckenridge. Sec. 33,
    Twp. 6 S., R. 77 W.

    Mtn. & Milling Co., in Teller County, Colo.
    7p. 1902. (Cont'd. on page 33.)
14. (Cont'd.)
Teller County. (North of middle of Teller County). On mountain slopes between West Creek and Turkey Creek, 4 to 8 miles from the town of West Creek.

15. Report on the Sec and Fox, and Dunraven 1 lode claims at Magnolia, Colo. 4p. n.d. map. Boulder County. Magnolia Mng. District. Sec. 5, Twp. 1 S., R. 71 W. #358 Sec and Fox. #260 Dunraven.


Scherz, Theodore E. (Cont'd.)

   Park County. Beaver Creek Mag. District.
   West slope of the northerly spur of Silverheels Mountain. Sec. 17, Twp. 8 S., R. 77 W. Broad Gauge #541.

31. Report on property consisting of forty mining claims at the head of Sacramento Gulch on east slope of Mosquito Range, Park County, Colo. 7p. 1903. Unsigned.
   Park County. Mosquito Mag. Dist. Sec. 18, Twp. 9 S., R. 78 W.
   London Fault on Pennysylvania Mountain some 4,000 feet northeasterly of the eastern limit of the group.

   Saguache County. Cochetopa Mag. Dist., about 12 miles south of Gunnison City, Colo., near the deserted town of Iris. One patented claim. Zinc ore. About Sec. 15, Twp. 48 N., R. 1 E.

   San Miguel County. San Miguel Mag. Dist.
   Just east of the town of Telluride. Monon.
   Allegany D. & L.
   Allegany No. 2 lode claims.

34. Examination of the abstract of title to the St. Cloud, the Tiger and the Tiger Extension lodes and mining claims in the Snake River Mag. Dist., Summit County, Colorado, made by Yeaman & Parsons, Attorneys at law, for Theodore E. Scherz. 7p. 1891.
   Summit County. Snake River Mag. District.
   Sec. 35, Twp. 5 S., R. 76 W. Tiger Extension #744. Tiger #1506.
   St. Cloud #1505.

   Clear Creek County. Upper Union Mining District.

   Clear Creek County. Argentine Mag. Dist.

   San Juan County. Red Mountain Mag. Dist.
   Secs. 12 and 13, Twp. 42 N., R. 8 W. N.M.P.

   San Juan County. Red Mountain Mag. Dist.
   Secs. 12 and 13, Twp. 42 N., R. 8 W. N.M.P.

Scofield, C. A.
   Boulder County. Ward Mining Dist.
   Puzzler Hill, 2 miles from Ward.

Shafer, W. L.
   Clear Creek County. Alice Mag. Dist.
   About 11 miles N.W. of Idaho Springs.

Sharer, Edward C.
1. General information concerning the Vermiculite properties in Fremont and Custer Counties, near the towns of Westcliffe and Hillside, Colorado, with suggestions about the proposed acquiring and operation of said properties. 30p. 1935.
   Fremont County. Texas Creek Mag. Dist.
   9 claims. Hillside group. 166.453 acres.
   Sec. 33, Twp. 20 S., R. 73 W.
   Custer County. Hardscramble Mag. Dist.
   15 claims. Dead Male Gulch group, 289.24 acres. Secs. 6, 7 and 15, Twp. 21 S., R. 71 W. and Secs. 12 and 18, Twp. 21 S., R. 72 W.
   Engineer's report by J.W. Broan, 1934.

Sharron, J. G.
1. Notes on titanium ores in Colorado, from report to the International Development & Exploration Company. 6p. 1926.
   Boulder County. Caribou Mag. Dist. 3 miles N.W. of Cardinal, magnetite, ilmenite.
   Gunnison County. Celolla Mag. Dist. East side of Celolla Creek, 26 miles from Gunnison City, ilmenite more than 50%.
   Fremont County. Grape Creek Mag. Dist. 12 miles S.W. of Canon City, 15 miles N. Silver Cliff.

Shaw, William R.
   Pitkin County. Columbia Mag. Dist.
   Conderndram and Cataract Creeks. Molybdenum.
Southern Colorado Power Company

1. (Cont’d.)

T.H. Damon, Southern Colorado Power Co.

13p. 1933. 4 maps.

This study has been made to determine the amount of water and the feasibility of pumping, its economies and the time element, to facilitate immediate mining, as compared to drainage tunnel.

Teller County.

Steel, A. A.

1. Statement of the results of my investigation of the Flomo mine (Rito Seco Properties) 1904.

See Ritter, Etienne A., A. (Sec. 5.)

Stephens, Wallace A.

1. Compilation of mining & milling costs (Rito Seco properties) 1911. See Ritter, Etienne A., 2. (Sec. 6.)


See Ritter, Etienne A., 2. (Sec. 11.)


See Ritter, Etienne A., 2. (Sec. 12.)

4. Summary of other opinions on the Trinchera property (Rito Seco properties) 1916.

See Ritter, Etienne A., 2. (Sec. 13.)

Stevenson, Philip H.


Teller County. Cripple Creek Mng. Dist.

Strieby, William

1. The Origin and use of the Natural gas at Manitou, Colo., by William Strieby.

13 - 1p. n.d.

El Paso County. A discussion of the derivation of the carbon dioxide of the Manitou Springs and the use made of the natural gas which comes from the springs.

Taff, J. A.


(Cont’d. on page 36)
Taff, J. A.
1. (Cont'd.)

White River Anticline.
Drilling suggested near the west end of
Claim 0, south of the road. This point
is very near the center of the S. E. 1
of S. W. 1 of Sec. 31, Twp. 2 N., R 96 W.

Tanner, W. L.
1. Brief statement concerning property of
the Tanner group of Tungsten claims. 2p.
   n.d. map.
   Boulder County. Nederland Mng. Dist.
   2 miles south of Nederland on Beaver
   Creek. ferberite.

Taylor, L. S.
   District, with data gathered by W.H.
   Dwinnell and two sketch maps by A.J. Posselt.
   4p. n.d. 2 maps.
   Fremont County. Whitehorn Mng. Dist.

Teagarden, J. A.
   Synopsis of the property. 20p. 1907.
   Boulder County. Sugarloaf Mng. Dist.
   On Four Mile Creek.

Teal, George W.
   Property, Boulder County, Colo. 5p. 1905.
   Boulder County. Grand Island Mng. Dist.

Thayer, Harry S.
1. Report on the Gold Hill Mining Company's
   properties. 3p. n.d.
   Boulder County. Gold Hill Mng. Dist.
   Between Gold Hill and Rowena.

Thomas, Kirby
1. Report on the Kimberly mine, Kokomo,
   Colorado. 4p. 1907.
   Summit County. Ten Mile Mining Dist.
   Elk Mountain, at Kokomo.
   Kimberly Consolidated Mines Company.

Thompson, Carey W.
   Mt. Bros, Park County, Colo., with copy
   of results of Assays of samples from Weber
   properties by Edward F. Chapin. 3p. 1929.
   Park County. Alva Mng. Dist. Bound
   with Ritter, Etienne A., 8.

Toepelman, W. C.
1. When living things came to the Rockies.
   pp. 22-26.
2. The Rockies as nursery and habitation.
   pp. 27-30.
   See University of Colorado, 1.

Toll, Rensselaer, H.
1. Report on the Comstock mine, La Plata,
   Colorado. 6p. 1915, 2 maps.
   La Plata County. California Mng. Dist.
   On La Plata River one mile south of
   La Plata and 8 miles north of Hesperus.
   Twp. 36 N., R. 11 W.

Tonge, Thomas
1. Report on the Corners Bonanza group, The
   Consolidated Ten Mile Mining District and
   its leading mines. 6p. 1906.
   Summit County. Ten Mile Mining Dist.
2. The Natural Resources of Gunnison County.
   Compiled by Thomas Tonge. 7p. 1896.
   Comment on many mines in the county and
   mention of the occurrence of the more
   important minerals - copper, lead, coal,
   iron and magnetite ores, limestone, fire
   clay, granite, marble, sandstone, slate.

Treasure Chest Association
1. Colorado the treasure chest of the nation.
   Denver. 64p. 1935. illus. port. map. tab. diag.
   A popular account of the natural resources
   of the state.

Tripple, Thomas W.
1. Report on the Aetna mine, accompanied by a
   statement concerning the adjoining Aztec and
   Republic claims. 3p. 1905.
   La Plata County. Needle Mountain Mng. Dist.
   About 8 miles from Durango on the north
   face of Bullion Mountain.

Tulley, W. H.
1. Report on the Empire, Mascot, Little Martha,
   Umberto, Keeley and Moran lodes. 4p. 1936.
   San Juan County. Animas Mng. Dist. On
   northern slope of Calera Mountain, about
   2 miles from Middleton.

United Empire Gold Mines.
1. Extracts from prospectus of United Empire
   Gold Mines. 4p. n.d.
   Boulder County. Gold Hill Mng. Dist. Sec. 8,
   Twp. 1 N., R. 71 W., at Sunshine.
United Gold Mines Company.
   Teller County. Cripple Creek Mng. Dist.

   Teller County. Cripple Creek Mng. Dist.

United States Geological Survey.
   Weld, Morgan and Washington Counties.
   Fort Morgan Anticline. W. 1/2 of Twp. 1 n., and 1 S., R. 56 W. Gre偎wood Lakes Anticline. Greceswood field. Pawnee Creek Anticline.

2. Oil and gas in northeastern Colorado.
   Prospects of developing new fields.
   5p. 1924. map. Release 1025.
   Arapahoe, Adams, Larimer, Logan, Morgan and Weld Counties. Twps. 1-12 N. and 1-1 S., R. 55-70 W.
   Fort Collins Anticline.
   Wellington Anticline.
   Berthoud Anticline.
   Douglas Lake Anticline.
   Fort Morgan Anticline.
   Pawnee Creek Anticline.
   Greceswood Lake Anticline.

   Lincoln and other counties. Twps. 11-23 S., R. 42-57 W. Sierra Grande Arch.
   Wells already drilled in this region discussed.

4. Prospects for oil and gas in and near the Barker Creek Dome, Colorado and New Mexico.
   Uplifts in parts of La Plata County, Colo., and San Juan County, New Mexico. Mapped by Government Geologists. 5p. 1924. map.
   Release 5725.
   Henderson Coal Mine.

5. Record of drilling wells near Denver (Sable), Wellington and Dover, Colo., and their bearing on the Cretaceous and Tertiary

United States Geological Survey (Cont'd.)
5. (Cont'd.)
   formations of eastern Colorado. 10p. 1917. map. (W. T. Lee)
   Adams, Larimer and Weld Counties.

   Moffat County. Twp. 12 N., R. 89 W. 2 1/2 miles east of Slater. Slater Dome.

   Las Animas County.

8. Liquid hydrocarbon from Ohio Creek coal mine, Sec. 15, Twp. 15 S., R. 86 W., Gunnison County, Colorado. Collected by W. W. Boyer; 1p. 1923.
   Gunnison County.

   Montrose County. Grand Mesa coal field.

    Routt County. Yampa coal field. East of Hayden.

11. Coal in the Elkhead district of the Yampa coal field, northwestern Colorado. 4p. 1924.
    Routt County. Yampa coal field. Twps. 5, 6, 7 and 8 N., R. 83, 89 and 90 W.

    Grand County. Middle Park. Non-metals.

    Lake County. California Mng. Dist.
    Refers to Prof. Paper #148.

    Montezuma County. California Mining District.
    Sec. 11, Twp. 36 N., R. 12 W.
    U.S.P.M.
15. Coal resources in Moffat County.
Moffat County. Yampa coal field.
Region southwest of Craig.

16. The Yampa coal field, Colorado.
Moffat Tunnel will make field accessible. Accompanied by chart (2 sheets) "Proximate Analyses of samples of coal from the Yampa Coal Field, Moffat and Routt Counties, Colorado. All analyses made by the United States Bureau of Mines."
Moffat and Routt Counties. Yampa coal field.

Routt County. Yampa coal field.

Moffat County. Twp. 4 and 5 W., Rs. 91 and 92 W., Hamilton Dome. Sleeping Spring Gulch Dome.

Release 6964.
This paper summarizes briefly the results of a reconnaissance study of this region that was made during the summer of 1926.

Lake and Pitkin Counties. Tunnel sites. Result of cooperative work between the United States Geological Survey, the Colorado Geological Survey Board, and the Colorado Metal Mining Fund pertaining to dam, reservoir, and tunnel sites for water supply in Colorado.

Colorado. Power Sites.

Colorado. Power Sites.

Colorado. Power Sites.

Eagle County. Power Sites.

Gunnison County. Power Sites.

Release 17208.
Lake, Chaffee and Fremont Counties.
Power Sites.

Release 115.
Moffat County. Yampa River.
Power Sites.

28. Power resources of San Miguel River, Colo.
I p. 1925.
Montrose County. Power Sites.

29. Water power on Dolores River, Colorado.
Report of Interior Department Engineer.
Montrose and Mesa Counties. Power Sites.

Release 1048.
Pitkin and Garfield Counties. Power Sites.

31. Power resources of Blue River, Colorado.
45,000 horsepower still undeveloped. I p. 1925.
Summit County. Power Sites.

32. A volcano that never erupted. I p. 1924.
Dept. of the Interior.
Pueblo County. Apishapa region.

5 maps. 13,908 Dept. of the Interior.
Colorado.
United States Geological Survey (Cont'd.)

34. The Bonanza Mining District, Colorado. 13 p. 1929. map. Release Aug. 12, 1929. Sagusse County, Twp. 46 and 47 N., Rs. 7 and 8 E., N.M.P.

35. Hearings December 1, 1926 before the Secretary of the Interior, on the question of what constitutes a sufficient discovery to support the claim of an oil shale locator under the general mining laws. Department of the Interior, office of the Secretary, 11633. 11, 80p. 1926.

University of Colorado.

1. The romance of the Rockies. A series of Radio talks about the Rocky Mountains. First Series. The University Quarter Hour. Given by members of the Faculty of the University of Colorado, February 9 to March 27, 1932, over Radio Station KOA, Denver, Colo. Sponsored by the University of Colorado and the National Broadcasting Company. University of Colorado, Boulder, Colorado. 35p. 1932.

Ute Coal Company.

1. The World's largest coal mine, owned by the Ute Coal Company. 31p. n. d. port. illus. tab. map. chart. Moffat County. Danforth Hills Coal Dist. 28 miles southwest of Craig, at Patterson, Colorado.

Vanderberge, J.H.


Vander Veer, Howard J.


Vanderbilt, J. W., and Koschmann, A. H.


Van Diest, E. C.

1. The Ridgeway group, Animas Mining District, San Juan County, Colo. 6p. 1915. San Juan County. Animas Mag. District. About 5 miles from Howardville, which is about 6 miles from Silverton.

2. Resume of reports, tests and conditions Rito Seco properties. 1934. See Ritter, Etienne A., 2. (Sec. 2.)

Van Diest, F.H.

1. Report on the No Name mine, 1877, with a mention of the Caribou property made by Hayden in his U. S. Geological Survey of the territories, 1873. Boulder County. Grand Island Mag. Dist. This report forms a part of the report by George, R. D., and Fair, Fred A., 2 "Exhibit F1"

Van Wagenen, Theodore F.


Vidler, L. W.


Vidler, Reese

1. Interim report on the Queen of the West group of mines, situated at Koko, in the Consolidated Ten Mile Mining District, Summit County, Colorado. 7p. n.d. 2 maps. Summit County. Ten Mile Mining District.

Walker, Stanley M.


Walker, Thomas H.

Walter, R. J.
   San Juan County. San Juan Mng. District. 3-1/2 miles southeast of Eureka.

Watson, Robert J.
   3 maps.
   Gilpin County. Hawkeye Mng. Dist. Sec. 23, Twp. 2 S., R. 73 W.

Wayt, L.M.
1. Statement concerning the Aurora group lode claims, La Plata County, Colo. 1p. 1936.
   La Plata County. California Mng. Dist. In Ruby Gulch, about 20 miles from Durango.

Weatherly, Edward C.

Webster, Jr., B. F.
1. Report on the Red Elephant Mountain group of mines. 8p. 1924. 2 maps.
   Clear Creek County. Downieville Mng. Dist. On the edge of the town of Lawson. Secs. 23 and 24, Twp. 3 S., R. 74 W.

Weigmann, Carroll H.

Well Logs: Petroleum and Water.
1. Logs of oil wells, oil prospects and water wells, gathered from many sources. Classified by counties, and arranged by Township, Range and Section. Water Well Logs appear in their proper order in connection with the Oil Well Logs. 22 vols. 1936.

Western Feldspar Milling Company.
1. Feldspar properties in the Canon City and South Platte areas. (Cont'd above)

Western Feldspar Milling Company
1. (Cont'd.)
   (information furnished by Ralph H. Magnuson). 1p. 1936.
   Fremont County. About 8 miles west of Canon City. Also the Shipley Quarry.

West Gold Mining Company
   Clear Creek County. Idaho Springs Mng. Dist. on Chicago Creek, west of south of Spring Gulch.

Weston, W.
   Pitkin County. Columbia Mng. Dist. 16 miles south of Aspen.

Wheeler, W. B.
1. Report on a group of claims including the Morningside, Father Forestall and others adjoining the Golden Fleece mine, on the east slope of Hotchkiss Mountain. 3p. 1930.
   Hinsdale County. Lake Mining District.

White River Oil Company

Whitney, F. B.
   Rio Blanco County. White River Gas Field. Twp. 1, 2 and 3 N., Rs. 95, 96, 97 and 98 W. Wells drilled to date described. White River Dome.

Wilcox, Herbert A.
   Gunnison County. Tin Cup Mining Dist. 39 miles north of Pitkin.

Williams, A. D.
   Boulder County. Gold Hill Mng. Dist. Sec. 7, Twp. 1 N., R. 71 W., on summit of Big Horn Mountain about a mile east of the town of Gold Hill.
Winchester, Dean E.


This paper is a brief summary of the known gas resources of parts of these three states, and describes the geologic and structural conditions under which the gases are found.


Fremont County. Secs. 1, 12 and 13, Twp. 19 S., R. 59 W., and Secs. 6 and 7, Twp. 19 S., R. 68 W.

East rim of Florence Basin.

3. Oil and gas possibilities in the Harvey Gap structure, Garfield County. 3p. 1929. map.

Garfield County, Twp. 5 S., Rs. 91 and 92 W. 7 miles north of Silt.

4. Oil and gas possibilities of the Skull Creek structure, Moffat County, Colorado. 4p. 1929. map.

Moffat County, Twp. 4 and 6 N., Rs. 100-102 W. 75 mi. west of Craig.

Skull Creek Dome. Drilling suggested:

S. E. 1/4 Sec. 2, Twp. 3 N., R. 101 W.

5. Report of reconnaissance examination of the Skull Creek structure, Moffat County, Colo. 2p. 1930. map.

Moffat County, Twp. 4 and 5 N., Rs. 100-102 W. 75 miles west of Craig.

Skull Creek Dome.


Garfield County. De Beque oil shale field. Southern boundary 18 miles north of De Beque, in the upper reaches of Clear Creek. Twp. 6 S., R. 98 W.

7. Committee Chairman.

Proposed FWA project: Geological investigation of the mineral resources of Colo. (21p.), with supplement (3p.) and detailed plan (4-4p.) 1935. map chart. 32p.

A survey designed to give a comprehensive idea of the value and reserves of the metals and non-metals of the state with special emphasis on "deficient minerals."

Winser, Frank S.


Wood, J.P.


Clear Creek-Gilpin Counties.

Worcester, P.G.

2. The myth of the everlasting hills. pp. 15-16.

See University of Colorado, 1.

Worthington, W.H.

1. Mining report on Fall River mining property. 3p. 1933.

Clear Creek County. Griffith and Queens Mng. Dist. 5 mi. from Idaho Springs.


Ziegler, Victor

1. Oil possibilities of the White River-Dome, Rio Blanco County, Colorado. 2p. n.d.


ADDENDA

Broyles-Ensninger Brokerage Company.

1. Cripple Creek mines & claims book.

Complete information of Cripple Creek mines & mining companies, also their claims arranged alphabetically, giving location and by whom owned. 15ip. 1500.

Teller County. Cripple Creek Mining District.
PART II
MAPS AND CHARTS

CHARTS

1. Chart giving the names of mining districts, classified by Counties, with metal production by weight and value (1933-1934) and totals for each county. Prepared by Theodore D. Benjovsk.-., Colorado.


MAPS

MINES

El Paso County


Fremont County

1. Map of Canon City Coal Field. Nwps. 19 and 20 S., Rs. 69 and 70 W. (J.Q.M.) 1933. Properties of the:
   - Canon City Coal Company
   - Colorado Fuel & Iron Company
   - C. & P. C. & M. Company
   - Western Fuel Company
   - Victor Fuel Land, and R.M. F. Co. are indicated.

Garfield County

1. Map of Coal Crop Lines, New Castle to South Canon, Garfield County, Colo. Nwps. 5 and 6 S., Rs. 90 and 91 W. (J.Q.M.) July 6, 1933.

COAL

Garfield County (Cont'd.)

2. Map and section of the Lo Donne Mine, Garfield County, Colo. Surveyed Dec. 12, 1933 by Earl D. Von Rosenbery. C. S. (In Secs. 18 and 19, Twp. 5 S., R. 91 W.)

3. Map of Ted Estes Coal mine located on Rifle Creek, N.W. 1/4 S. W. 1/4 Sec. 3, Twp. 5 S., R. 93 W. Workings.

4. The Grass Valley Dam showing the coal workings in the vicinity and their relative elevations, crest of dam being 524 ft., Garfield County, Colo. Point located 1320 ft. west of S. W. corner, Sec. 13, Twp. 5 S., R. 92 W.

5. Map of the Rocky Mountain Fuel Company's Midland Mine situated in Sec. 34, Twp. 7 S., R. 89 W.
Gunnison County


3. Topography on proposed Chair Creek Tunnel site, Creek Changes, and Tipple and trackyard grounds. S. E. 1/4 S. E. 1/4 Sec. 18, Twp. 11 S., R. 88 W. 6. P.f.. Survey May 28-30, 1923. Theodore Rosenberg, C. E.

Huerfano County

1. Portion of coal basin Huerfano County, Colo. Twps. 27, 28, 29 and 30, Rs. 56 and 67 W., adjoining the city of Walsenburg. In two sections. Section 1. North section.

2. Section II South Section

3. Section on course of dip through Sec. 36, Twp. 27 S., R. 68 W.

4. Trinidad coal field Colorado. Adapted from map of Richardson, Winchester and Gardner.

MAPS

MINES METALLIFEROUS

Colorado


2. The great Central Mineral Belt of Colorado (southwest from Grand and Larimer counties to Montezuma and La Plata counties) from U. S. G. S. Topographic Maps, noting a few mines. Lewis E. Ashbaugh, 1933.

3. Denver to Salt Lake. Principal cities, roads and rivers. Lewis E. Ashbaugh, 1933.

Huerfano County (Cont’d)

4. (Continued)

Bulldin 381-U.S.G.S. Showing location of coal lands in Huerfano and Las Animas Counties, owned by the Colorado Fuel & Iron Company, and the Rocky Mountain Coal & Iron Company, a subsidiary; with relation to subdivisions, coal outcrop, etc. G. C. Stumm, 1919. Twps. 27 to 35 S., Rs. 61 to 69 W.

Las Animas County

Trinidad coal field Colorado. Adapted from map of Richardson, Winchester and Gardner. Bulletin 381-U.S.G.S. Showing location of coal lands in Huerfano and Las Animas Counties owned by the Colorado Fuel and Iron Company and the Rocky Mountain Coal and Iron Company, and subsidiary; with relation to sub-divisions, coal outcrop, etc. G. C. Stumm 1919. Twps. 27 to 35 S., Rs. 61 to 69 W.

See Maps - Mines: Coal; Huerfano County, 4.

Colorado (Cont’d.)


Boulder County

1. Mining district to the west of Boulder, Lewis E. Ashbaugh, n.d. Twps. 1 & 2 N., I S., Rs. 70-74 W.

null
Boulder County (Cont'd.)


4. Plan of the Claim of Viola Beatty, known as the Silver Queen, Major, D. Lentzang and Central John lodes, Mineral Survey No. 13414, Albert E. Chase, 1899. N. E. 1/4 Sec. 7, Twp. 1 N., R. 71 W. Gold Hill Mining District.

5. Map showing the workings of the Victoria Mine, Boulder County, Colo. Sec. 7, Twp. 1 N., R. 71 W. Gold Hill Mining District. On Big Horn Mountain.


Chaffee County


Clear Creek County


5. Altro Extension Mining & Milling Co., Cross-section map of the properties of, Sec. 20, Twp. 3 S., R. 73 W. Dumont Mining District.

Clear Creek County (Cont'd.)

   Sec. 31, Twp. 3 S., R. 73 W.
   Trail Creek Mining District.

8. Map of claims 1/925 Helen Blazes, 2933
   Gardner Placer, Sec. 2, Twp. 4 S., R. 73 W.
   Clear Creek County, Colorado. n.d.
   Ohio Mining District.

   Sec. 26, Twp. 3 S., R. 74 W.
   Joe Reynolds Mining District.

10. Prominent Mine Tunnels and Veins and Cyclone Gold-Silver claims at Silver Plume, Clear Creek County, Colo. Lewis E. Ashbaugh 1934. Tunnels and Veins from U. S. G. S. Prof. Paper #63, Twp. 4 S., Res. 74 & 75 W.
    Silver Plume Mining District.

    Dunkirk lode 270; Ashby Tunnel and many other claims. Sec. 13, Twp. 4 S., R. 75 W.
    Griffith Mining District.

    5, 6 and 9, Twp. 4 S., R. 73 W.
    Cascade Mining District.

    Clear Creek County, Colo. Page 609, Mine Managers Reports for the year 1933. Colorado State Bureau of Mines. Sec. 3, Twp. 4 S., R. 73 W.
    Coral & Jackson Mining Districts.

    Sec. 19, Twp. 4 S., R. 74 W.
    Griffith Mining District.

    Jackson Mining District.

Costilla County

   28 S., Res. 70 and 71 W., Adjoining the town
   Grayback Mining District.

Custer County

1. Map of mining claims north of Rosita, Custer
   County, Colo. Secs. 16, 17, 18, 19, 20, 21, 28,
   29 and 30, Twp. 22 S., R. 70 W. W. S. Dunlap.
   1935.
   Hardscrabble Mining District.

2. Map of mining claims in Twp. 22 S., R. 72 W.
   in the neighborhood of Silver Cliff, Colo. n.d.
   Hardscrabble Mining District.

3. Map of mining claims Secs. 4, 5, 6, 7, 8, 9,
   16 and 17, Twp. 22 S., R. 72 W. F.H. Wagner nd.
   Hardscrabble Mining District.

Eagle County

1. Map of a group of claims adjoining the town
   of Red Cliff showing the workings of the
   Sulphide claim. (2836 Wyoming Valley Placer)
   Twp. 6 S., R. 80 W. n.d.
   Battle Mountain Mining District.

2. Map of Mining claims in Secs. 23 and 24,
   Twp. 6 S., R. 81 W. on Eagle River, Eagle
   County, Colorado.
   Battle Mountain Mining District.

3. Map of Mineral Surveys, Battle Mountain,
   Eagle County, Colo. Compiled by Ben L. Cress
   from official surveys. 1910. Twp. 6 S., R. 80
   and 81 W.
   Battle Mountain Mining District.

4. Map of the Holy Cross Mining District, Eagle
   County, Colo. Compiled from U. S. Survey field
   notes and original surveys by C. T. Kennan.
   1909. Secs. 18, 20, 29, 30, 31 and 32, Twp.
   7 S., Rs. 81 and 82 W.
   Holy Cross Mining District.

5. Map of the Eagle River Placer, Secs. 5, 6,
   7, 8, 17 and 18, Twp. 5 S., R. 82 W. Drawn
   from survey made February 1928.

El Paso County

Sketch map of the Front Range area between
(Continued on next page.)
El Paso County (Cont'd.)

Colorado Springs and Cripple Creek, Colo.
Taken from U. S. maps and other sources by
15 and 16 S., R. 67, 68, 69 & 70 W.
Cripple Creek Mining District.
See Maps, Mines; Metalliferous.
Teller County, 1.

1. Map of mining claims in South Cheyenne, Sec.
4, Twp. 15 S., R. 67 W. n.d.
South Cheyenne Mining District.

Fremont County

1. Survey No. 16900. Leadville Land District.
coma and Free Town lodes, Fremont County, 
21 and 26, Twp. 51 N., R. 10 E. M.M.P.M.
Cameron Mining District.

Gilpin County

1. Blackhawk townsite and adjoining claims.
   n.d. Sec. 7, Twp. 3 S., R. 72 W.
   Blackhawk Mining District.

2. Map of Caledonia Lode Claim, Lake Mining
   District, Gilpin County, Colo. n.d. Sec. 13,
   Twp. 3 S. R. 72 W.
   Lake Mining District.

   Published 1913 by Chas. J. Hotchkiss Co. Sec.
   31, Twp. 1 S. and Secs. 6, 7 and 18, Twp. 2
   S., R. 73 W. Secs. 33-36, Twp. 1 S., Secs.
   1-4, 9-12, 13-16 and 21-24, Twp. 2 S.R. 72 W.
   Independence Mining District.

4. Plan of claims and workings of the Newport
   Providence group. 1930. E. L. Backstrom, Sec.
   35, Twp. 1 S., R. 73 W. and Sec. 2 Twp. 2 S.,
   R. 73 W.
   South Boulder Mining District.

5. Central City-Russell Gulch Gold Mining Dist.
   Prominent veins. From U. S. G. S. Prof. Paper
   #94. Lewis E. Ashbaugh. 1932. Twp. 3 S., R.
   72 and 73 W.
   Central City Mining District.

6. Map of Central City Mining District, Gilpin
   County, Colo. n.d. Twp. 3 S., Rs. 72 and 73 W.
   Central City Mining District.

Gilpin County (Cont'd.)

7. Russell Gulch Mining Co., Central City, Colo.
   Property map. Sec. 18, Twp. 3 S., R. 72 W. and
   Sec. 13, Twp. 3 S., R. 73 W.
   Russell Mining District.

8. Russell Gulch Mining Co., Central City, Colo.
   Vein system. Sec. 16, Twp. 3 S., R. 72 W. and
   Sec. 13, Twp. 3 S., R. 73 W.
   Russell Mining District.

9. Russell Gulch Mining Co., Central City, Colo.
   Level plan. Sec. 18, Twp. 3 S., R. 72 W. and
   Sec. 13, Twp. 3 S., R. 73 W.
   Russell Mining District.

10. Russell Gulch Mining Co., Central City, Colo.
    Longitudinal section. Sec. 16, Twp. 3 S.,
    R. 72 W. and Sec. 13, Twp. 3 S., R. 73 W.
    Russell Mining District.

    plan of workings, J. F. Beckstrom, Twp. 15,
    R. 73 W. about 2 miles N. W. of Rollinsville
    Phoenix Mining District.

12. Mining claims of J. B. Johnson in Secs. 6
    and 7, Twp. 2 S., R. 73 W. Pine Mng. Dist.
    Gilpin County, Colo. Surveyed by Walter H.
    Pine Mining District.

13. Tucker mine. 3 lode claims in one group.
    Central City, Colo. Workings. Sec. 1, Twp.
    3 S., R. 73 W. Bureka Mining District.

14. McAllister group, Gregory District, Central
    City, Colo. Sec. 12 Twp. 3 S., R. 73 W.
    Central Mining District.

15. McAllister mine. 4 lode claims in one group.
    Central City, Colo. Map of workings. Sec.
    12, Twp. 3 S., R. 73 W.
    Central Mining District.

16. Sectional view of the underground workings
    of the O'Neill mine, Central City, Gilpin
    County, Colo. n.d. Sec. 12, Twp. 3 S., R. 73 W.
    Central Mining District.

17. 2 lode claims in one group. R.P. Ranney and
    Center Tunnel, Central City, Colorado.
    Gilpin County. Sec. 12 Twp. 3 S., R. 73 W.
    Quartz Valley Mining District.


See also Maps. Mines Metalliferous Gilpin County, 12.

27. Map of Gilpin County, Colo. Compiled from actual surveys and official records and copyrighted 1916 by Chase and Rank. Twp. 2 and 3 S., R. 72 and 73 W. (Includes a portion of Clear Creek County).

This map is mounted on rollers and there is no tracing.


16 mining districts.

See Maps. Mines: Metalliferous Clear Creek County, 1.

Gunnison County

1. Map of Taylor River Tunnel. Sec. 12 or 13 S., R. 83 W., Gunnison County. Taylor River Mining District.


3. Map showing the proposed Italian Mountain Draining & Transportation Tunnel, Tin Cup Mng. Dist. Gunnison County, Colo. 0.H. Aikins 1912. Twp. 12 and 13 S., R. 84 W. Tin Cup Mining District.

4. Map of mining properties near Crystal, Colo. Secs. 27, 23, 33 and 34, Twp. 11 S., R. 87 W. 6th P.M. Rock Creek Mining District.

Gunnison County (Cont'd.)


7. Map of claims in Secs. 27 and 34, Twp. 51 N., R. 5 E., N.M.P.M., F. C. Cramer. n.d. Quartz Creek Mining District.


Hinsdale County

1. Davery's map of Hinsdale County, Colo. 1908. Twp. 41-45, Rs. 4-6 W., W.M.P.M.

2. Map of mining claims Secs. 9, 10, 15, and 16, Twp. 43 N., R. 4 W., Hinsdale County, Lake Mining District, Colorado. n.d. Lake Mining District.


Hinsdale County (Cont'd.)

8. Map showing the relative position of "Golden Fleece" property and "Slumbullion Gulch." Also Golden Fleece vein distinctly traced to the Crater. Reproduction of map in office of Surveyor General at Denver, Colorado Secs. 10 and 11, Twp. 43 N., R. 4 W., N.M.P.M. Lake Mining District.

Lake County

1. Map of mining claims in Sec. 17, 18, 19 and 20, Twp. 8 S., R. 78 W. Montgomery Mining District.

2. Longitudinal section Gordon Vein, Lake County, Colo. Fred C. Cramer 1897. S.W. 1/4 Sec. 13, Twp. 11 S., R. 78 W. Twin Lakes Mining District.


3. Map of mining claims in Lake County, Colo. 500 Tenderfoot, 17342 Stormy Petrel, Ollie Reed. n.d. Fred J. McNair, M. E. Sec. 21, Twp. 9 S., R. 79 W. California Mining District.

9. The Leadville Mng. Dist. Compiled from official records and other reliable sources by Charles F. Sanders. Jan. 1901, Twp. 9 and 10 S. Rs. 79 and 80 W.
Lake County (Cont'd.)


11. Map of mining claims in Sec. 21, Twp. 9 S., R. 80 W., California Mng. Dist. (549 Jessin Clark) California Mining District.

12. Mining claims in the St. Kevin Mng. Dist., Lake County, Colo. Fred J. McNair, M. E. n.d. About 6 miles northwest of Leadville, Secs. 31 and 32, Twp. 8 S., Secs. 5, 6, 7, and 8, Twp. 9 S., R. 80 W. and Secs. 35 and 36, Twp. 8 S., Secs. 1, 2, 11, 12, 13 and 14, Twp. 9 S., R. 81 W. St. Kevin Mining District.


14. Placer claims in Secs. 23, 26, 27 and 34, Twp. 8 S., R. 80 W. Northwest of Leadville.


Park County, 1.

La Plata County


La Plata County (Cont'd.)


7. La Plata Mountain plat 1908 of upper and lower tunnel Ruby lode. Unpatented. Location about Twp. 37 N. R. 11 W., N.M.P.M. California Mining District.

8. Map of mining claims Needle Mountain Mng. Dist., La Plata County, Colo. Unpatented. On Vallecito River. Ranger Ns. 1, 2, and 3, Yukon Nos. 1 to 4 and Grizzly King Nos. 1 to 15, Copper Queen 1 to 3, Lucky Mine No. 1 to 3, Lucky No. 1 to 3, Red Bird No. 1, Silver Star. n.d. Needle Mountain Mining District.


...
La Plata County (Cont'd.)

14 See End of Part II. Correction.

15. Map of claims in Secs. 22 and 27, Twp. 37 N., R. 10 W., N.M.P.M. 1931. Cro Mixo; 1937-4
Legal Tender, Neglected.
California Mining District.

16. Map of mining claims in Sec. 2, Twp 38 N., R. 7 W., N.M.P.M.
Needle Mountain Mining District.

California Mining District.

18. Sketch map. Cross section showing workings of the Lady Eleanora Consolidated Gold Mines Company, La Plata County, Colo. Secs. 21 and 22, Twp. 36 N., R. 11 W., N.M.P.M.
California Mining District.

19. Sketch map showing location of Hunt mining claims, La Plata County, Colo. 9870 Platora. Secs. 15, 16, 21 and 22, Twp. 36 N., R. 11 W., N.M.P.M.
California Mining District.

20. Sketch map of Treasure group, La Plata County, Colorado. Sec. 26, Twp. 37 N., R. 10 W., N.M.P.M. n.d.
California Mining District.

California Mining District.

California Mining District.

Larimer County

1. Map of claims, Manhattan Mining District. Secs. 23 and 24, Twp. 9 N., R. 74 W.
Manhattan Mining District.

Las Animas County

West Spanish Peak Mining District.

Mesa County

Gateway Mining District.

About 20 miles east of Gateway.
Gateway Mining District.


Mineral County

1. Map of patented mining claims, Creede Colo. 1929. Don C. La Font, County Surveyor. n.d. Secs. 6, 7, 18, 19, 30 and 31, Twp. 41 N., R. 1 E. Secs. 1, 2, 3, 10, 11, 12, 13, 14, 23, 24, 25, 26, 35 and 36, Twp. 41 N., R. 1 W.
Sunnyside Mining District.

2. Map of patented mining claims, Creede. Colo. 1929. Don C. La Font, County Surveyor. n.d. Secs. 6, 7, 18, 19, 30 and 31, Twp. 41 N., R. 1 E. Secs. 1, 2, 3, 10, 11, 12, 13, 14, 23, 24, 25, 26, 35 and 36, Twp. 41 N., R. 1 W.
Sunnyside Mining District.

Sunnyside Mining District.

4. Map of mining claims in the neighborhood of Bachelor and Mammoth Mountains, near Creede, Colo. n.d. Sec. 30, Twp. 42 N., R. 1 E. and Sec. 21, Twp. 42 N., R. 1 W., N.M.P.M.
Sunnyside Mining District.

5. Map of the River-side Placers Nos. 1, 2, 3, 4, 5, 6 and Creede Placers Nos. 1, 2, 3, 4, 5 and 6 located in Secs. 3, 4, 7, 8, 9, 10, 15 and 16, Twp. 41 N., R. 1 E. of N.M.P.M Don C. La Font.
1933.
Sunnyside Mining District.

Sunnyside Mining District.


17. Property of the C.M. S. Mines Company, Creede, Mineral County, Colo. Vertical longitudinal section of Campbell Mt. showing workings of Solomon-Boses group. Also large amount of undeveloped territory. n.d. Sec. 13, Twp. 42 N., R. 1 W., and Sec. 18, Twp. 42 N., R. 1 W., N.M.P.M. Sunnyside Mining District.

Ouray County


2. Map of the San Juan Triangle, 1905. (Showing parts of Ouray, San Juan and San Miguel Counties).

Gift of Hotchkiss Map Co.

1515 Tremont St., Denver.

Park County


3. Map of claims west of Park City, Park County, Mosquito Mng. Dist., 6 miles west of Alma. Secs. 2, 3, 4, 9, 10 and 11, Twp. 9 S., R. 78 W. Mosquito Mining District.


Park County (Cont'd.)

7. Map of mining claims in Sec. 31, Twp. 8 S., R. 78 W., Secs. 6 and 7, Twp. 9 S., R. 78 W.; Secs. 12, Twp. 10 S., R. 79 W.; Secs. 1, 2, 3, 11, and 12, Twp. 9 S., R. 79 W., in the Mosquito Mining District, Park County, Colorado. n.d.
   Mosquito Mining District.

   Mosquito Mining District.

   Mosquito Mining District.

10. Map showing location of the Wheeler and Janet groups of mining claims situated in Alma Mining District, Park County, Colorado. 1925 Janet. n.d. Sec. 8, Twp. 8 S., R. 78 W.
    Consolidated Montgomery Mining District.

Pitkin County


2. Map of claims of Independence District. Secs. 6 and 7, Twp. 11 S., R. 82 W.; Secs. 1 and 12, Twp. 11 S., R. 83 W.
   Independence Mining District.

3. Map of southeast corner of Pitkin County, adjoining Chaffee and Gunnison Counties. n.d. Sec. 12, Twp. 12 S., R. 83 W.
   Lincoln Mining District.

4. Porphyry Mountain Gold Mines Company. Map of claims, Sec. 35, Twp. 8 S., R. 84 W.
   Frying Pan Mining District.

5. Map of mining claims between Miller and Woody Creeks, near Aspen, Pitkin County, Colo. 3 or 4 mi. from Aspen. Twp. 8 and 9 S., R. 84 W.
   Frying Pan, Dry Pine & Woody Mining Districts.

   Columbia & Highland Mining Districts.

7. Geologic map and section of Aspen Mining District, showing the mining properties. D. P. Rohlfing, May 1935. Twp. 10 and 11 S., R. 84 and 85 W.
   Columbia & Highland Mining Districts.

   Highland Mining District.

9. Map, Mohawk lode on Castle Creek, Twp. 11 S., R. 84 W.
   Columbia Mining District.

10. Section of the Aspen mining belt. Tinted portion shows interests of the Midnight Mine Co., Aspen, Pitkin County, Colo. n.d. Secs. 7, 13, 18, 19, 30 and 31, Twp. 10 S., R. 84 W.; Secs. 12, 13, 24, 25 and 36, Twp. 10 S., R. 85 W.
    Roaring Fork Mining District.

11. Section of the Aspen mining belt. Tinted portion shows interests of Highland Mines, Inc., Aspen, Pitkin County, Colo. n.d. Sec. 31, Twp. 10 S., R. 84 W.; Sec. 36, Twp. 10 S., R. 85 W.; Sec. 6, Twp. 11 S., R. 84 W.; Sec. 1, Twp. 11 S., R. 85 W.
    Highland Mining District.

12. Map of mining claims adjoining Aspen Townsite. n.d. Secs. 5, 6, 7, 8, 17 and 18, Twp. 10 S., R. 84 W.; Secs. 7, 12 and 13, Twp. 10 S., R. 85 W.
    Roaring Fork Mining District.

    Highland Mining District.

14. Map showing workings on Midnight 4468, Bureka 2227, Iron 2623 and Little Annie 2228 (Castle Creek fault) Sec. 36, Twp. 10 S., R. 85 W.
    Columbia Mining District.

    Roaring Fork Mining District.

    Highland Mining District.
I am a helpful assistant. I can provide information and answer questions to the best of my ability. Please let me know how I can assist you today.
San Juan County (Cont'd.)

5. The Sunny Side Mining & Milling Co., Bureka, Colo. Complete mine map showing the following levels - 4, 3, Upper Midway, 2, 1, A, B, B-sub, C, D, E, F and a portion of Terry Tunnel. As of Sept. 15, 1924. Sec. 14, Twp. 42 N., R. 7 W., N.M.P.M.

Bureka Mining District.


Bureka and Animas Mining Districts.

Map of the San Juan Triangle. 1905. (Showing parts of Ouray, San Juan and San Miguel Counties)

Gift of Hotchkiss Map Co.,
1515 Tremont St., Denver.
See Maps, Mines: Metalliferous,
Ouray County, 2.

San Miguel County


Upper San Miguel Mining District.


Upper San Miguel Mining District.

3. Map of a portion of San Miguel County, Colo., north and west of Telluride, showing mining claims. Twp. 43-49 N., Rs. 8-18 W., N.M.P.M.

Map of the San Juan Triangle. 1905 (Showing parts of Ouray, San Juan and San Miguel Counties)

Gift of Hotchkiss Map Co.,
1515 Tremont Street, Denver.
See Maps, Mines: Metalliferous,
Ouray County, 2.

4. See End of Part II. Correction.
Summit County


Snake River Mining District.


Jo Davis Mining District.

4. Map showing standard workings on 8271 Kobelena and 2271 Nahant lodes. Secs. 29 and 32, Twp. 6 S., R. 77 W., Summit County, Colo.

F. C. Cramer, n.d.

McKay Mining District.


McKay Mining District.

6. Map of mining claims Summit County, Bevan Mining District, on French Gulch. (212 Robley, 2204 Grey Horse, 1353 Salie Placer.) 1913.

Sec. 33, Twp. 6 S., R. 77 W.

Bevan Mining District.


Avalanche Mining District.

8. Map of mining claims 7624 Pearl, 3972 Ontario, 5704 Elephant Tunnel, Sec. 35, Twp. 6 S., R. 77 W., Summit County, Colo. (Fred C. Cramer) n.d.

Avalanche Mining District.

Summit County (Cont'd.)


Avalanche Mining District.


Bevan Mining District.

11. Map of the Sallie Barber and Little Sallie Barber mines and workings, Bevan Mng. Dist., Summit County, Colo. T. A. Brown, 1912. Sec. 4, Twp. 7 S., R. 77 W.

Bevan Mining District.

12. Cross section Sallie Barber mine, Breckenridge, Summit County, Colo. Fred C. Cramer, n.d. Sec. 4, Twp. 7 S., R 77 W.

Bevan Mining District.

13. Plat showing elevations and workings Scott drift 7618 Cliff, 7618 Little Tom, and Dewey lodes. Secs. 5 and 8, Twp. 7 S., R. 77 W.

Summit County, Colo. Fred C. Cramer. n.d.

Minnesota Mining District.

14. Map of mining claims in Sec. 27, Twp. 7 S., R. 77 W. on Indiana Creek, Summit County, Colo. Fred C. Cramer. n.d.

McBarnes Mining District.


Wilkinson Mining District.


Pollock Mining District.

17. Map of mining claims 19220 Bay State 2-13, Sec. 2, Twp. 8 S., R. 78 W. on the Blue River, near the south line of Summit County. n.d.

Pollock Mining District.
Summit County (Cont'd.)


20. Map of claims in Sec. 20, Twp. 6 S., R. 76 W. Fred C. Cramer. n.d. Middle Swan Mining District.

21. Map of placer claims in Secs. 5 and 6, Twp. 7 S., R. 76 W., Secs. 31 and 32, Twp. 6 S., R. 76 W., Sec. 1, Twp. 7 S., R. 77 W., Secs. 25 and 36, Twp. 6 S., R. 77 W. George R. Cramer, n.d. Swan River Mining District.


27. Map of mining claims Secs. 32 and 33, Twp. 6 S., R. 77 W. n.d. Bevan Mining District.


31. Map showing approximate longitudinal section Wellington vein to Oro shaft. Sec. 33, Twp. 6 S., R. 77 W. n.d. Bevan Mining District.

32. Map showing workings on 6328 Red Wing and 615 Maxwell. Sec. 5, Twp. 7 S., R. 77 W. n.d. 2509 Commodore placer. Minnesota Mining District.


34. Map of claims Sec. 6, Twp. 7 S., R. 77 W. n.d. Miners Mining District.


Summit County (Cont'd.)

42. Projection on vertical plane. The Excelsior mine, Summit County, Colorado. Sec. 33, Twp. 5 S., R. 78 W. n.d.
  Wilkinson Mining District.

43. Flat showing Columbia group, McCullough Mountain, Summit County, Colo. Sec. 36 Twp. 7 S., R. 78 W. Cramer & Hallihan. n.d.
  Pollock Mining District.

44. Map of the Arctic mine, Pollock mining district, Summit County, Colo. Sec. 2, Twp. 8 S., R. 78 W., F. C. Cramer. 1909.
  Pollock Mining District.

45. Map of mining claims in Sec. 36, Twp. 6 S., R. 78 W. n.d. Brooklyn placer, Room placer. Spaulding Mining District.

  Ten Mile Mining District.

47. Summit County map. Sec. 24, Twp. 7 S., R. 79 W. n.d. 1826 Clinton placer, 1905 Emmett & Lowe placer.
  Kokomo Mining District.

  McKay Mining District.

49. Map of the Little Artist group, 1934. Sec. 15, Twp. 7 S., R. 79 W.
  Consolidated Ten Mile Mining Dist.

50. Sheet 1. Map of the Silver King Lodge placer, the Last Chance placer, Fugitive lode, etc. on Nigger Hill, Breckenridge, Summit County, Colo. from survey made Feb. 1906. Sec. 5, Twp. 7 S., R. 77 W.
  Utah, Minnesota & Bevan Mining Districts.

51. Sheet 2. Sections to accompany map of the Silver King lode and placer etc., situated on Nigger Hill, Breckenridge, Summit County, Colo. Sec. 5, Twp. 7 S., R. 77 W.
  Utah, Minnesota & Bevan Mining Districts.

Summit County (Cont'd.)

52. Map of the Mountain Pride Mine, Bald Mountain, Summit County. Map and Vertical Sections showing monthly progress. Cramer & Hallihan, Nov. 1896. Secs. 9 and 12, Twp. 7 S., R. 77 W.
  Minnesota Mining District.

  Pollock Mining District.

  Ten Mile Mining District.

Teller County

1. Sketch map of the Front Range area between Colorado Springs and Cripple Creek, Colorado. Taken from U. S. maps and other sources by Wm. Garstin, U. S. Mine Surveyor. n.d. Twps. 15 and 16 S., Rs. 67, 68, 69 and 70 W.
  Cripple Creek Mining District.

2. Map of the Cripple Creek Mining District. Compliments of the El Crest Mining Co. Twp. 15 S., Rs. 69 and 70 W.
  Cripple Creek Mining District.

3. Plan and section of underground workings, showing proposed development work. El Crest Mining Co., Cripple Creek, Colorado. Sec. 30, Twp. 15 S., R. 69 W.
  Cripple Creek Mining District.

  Cripple Creek Mining District.

  Cripple Creek Mining District.

6. Map showing mining properties in the Cripple Creek Mining District (Times-Record print, Cripple Creek, Colo.) Twp. 15 S., Rs. 69 and 70 W. n.d.
  Cripple Creek Mining District.
7. Map of a portion of the Cripple Creek Mining District showing the workings and mine shafts with elevations of the mine levels of the U.G.M. (Vindicator & Golden Cycle group) of the Jerry Johnson C.M. Co., Pride of Cripple Creek, Forest Queen, Tenderfoot, Jerry Johnson #2 and many other properties. Twp. 15 S., R. 70 W. Cripple Creek Mining District.

This map in three sections. Section I.

8. Section II

9. Section III

10. Map of mining claims in the southeast portion of the Cripple Creek Mining District. Secs. 20, 21, 22 and 23, Twp. 15 S., R. 69 W. Cripple Creek Mining District.

11. Map of claims in the Cripple Creek Mining District, in five parts. Secs. 18, 19, 20, 29 and 30, Twp. 15 S., R. 69 W. n.d. Cripple Creek Mining District.


Cripple Creek Mining District.

Cripple Creek Mining District.

Cripple Creek Mining District.

Cripple Creek Mining District.

Cripple Creek Mining District.

Cripple Creek Mining District.

Cripple Creek Mining District.

Cripple Creek Mining District.

Cripple Creek Mining District.

Cripple Creek Mining District.

34. Map of the Cripple Creek Mining District. Secs. 5, 6, 7, 8, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32 and 33, Twp. 15 S., R. 69 W. and Secs. 12, 13, 14, 23, 24, 25, 26, 35 and 36, Twp. 15 S., R. 70 W. The Denver Times, n.d.
Cripple Creek Mining District. Mounted on cloth. No tracing.

35. Map of School Section Mine. Workings 2nd to 7th level. n.d. Sec. 16, Twp. 15 S., R. 69 W.
Cripple Creek Mining District. Filed in 2 folders - 35 A and B.

36. Map of the Sunshine Mine. n.d. Sec. 17, Twp. 15 S., R. 69 W. Anna Belle 9504, Sunshine 10032 A. M.
Cripple Creek Mining District.

Cripple Creek Mining District.

38. Claim map of the Anchoria-Leland property of the Golden Cycle Corporation, Cripple Creek District, Cripple Creek, Colo. showing boundary lines. E. C. Phillips 1935. Sec. 18 and 19, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

39. Map of Vindicator shaft. Workings Sheets 1 to 5, 8-1/2, 9 to 24. (Sheets 1 and 2 missing). S. W. 1/4 Sec. 20, Twp. 15 S., R. 69 W.
Cripple Creek Mining District. Filed in 3 folders - 39 A, B and C.

Cripple Creek Mining District.
Teller County (Cont'd.)

41. Underground workings, Cresson shaft. 17 sheets. (1 & 2 missing) Sec. 20, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.
Filed in 3 folders - 41 A, B and C.

42. Map of workings of Colorado City, shaft (3 sheets) N. 1/3 Sec. 29, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

43. Newmarket Vein System (Showing workings from Ajax, Dillon and Gold Coin shafts. n.d.
Sec. 23, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

44. Map of Portland mine. 25 sheets. Surface, Adit level, 200, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1500, 1600, 1700, 1800, 1900, 2000, 2100, 2300, 2400, 2700, 2900, 3000, and 3100 ft. levels. n.d. Sec. 29, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.
Filed in 4 folders - 44 A, B, C & D.

Cripple Creek Mining District.

Teller County (Cont'd.)

Cripple Creek Mining District.
Filed in 7 folders - 46 A, B, C, D, E, F & G.

47. Claim map and underground workings of May B mine. E. C. Phillips, n.d. (2 sheets) Second sheet is Vertical Projection on the May B vein Sec. 30, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

48. Raven Beacon map. Workings partly under Victor townsite. n.d. Sec. 30, Twp. 15 S., R.
69 W. Cripple Creek Mining District.

49. Map of workings on 8114 Eclipse No. 1, 8168 Joe Dandy. n.d. Sec. 30, Twp. 15 S., R. 69 W.

50. Rubie-Last Dollar-Wadoc geology, Cripple Creek, Colorado, August 28, 1923. 25 map sheets. Victor G. Hills (signed) S. E. 1/4 Sec. 20, N. E. 1/4 Sec. 29, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

MAPS

PETROLEUM

Adams County

Twp.s 1 to 6 S., Rs. 64 to 69 W.

2. Survey of Magnetic Highs, showing holdings of the Reiter-Foster Oil Corporation, Adams and Weld Counties, Colorado. J. A. Milkovsky. n.d. Twp.s 1 and 2 N., 1, 2 and 3 S., Rs. 60, 61 and 62 W.

Alamosa County

Map of the property of the Peoples Oil & Gas Company, Saguache and Alamosa Counties. Twp.s 39 to 43 N., Rs. 9 to 12 E. N.M.P.M.
See Maps. Petroleum.
Saguache County, 1.

Crowley County

1. Lake Henry Anticline. Crowley County.
Colorado. Prepared by F. W. Rohwer, Ordway, Colorado. Twp.s 20 and 21 S., Rs. 56 & 57 W.

Dolores County

Twp.s 38, 39 and 40 N., Rs. 18, 19 and 20 W. Proposed well. Sec. 3, Twp. 38 N., R. 19 W.

2. Dolores Anticline. Dean E. Winchester. 1928.
Twp.s 41, 42 and 43 N., Rs. 17, 18 and 19 W., N.M.P.M.
El Paso County

1. Reconnaissance map of the Fountain Dome area, El Paso County, Colo., by H. W. Steffen, Geologist. Twp. 17 S., Rs. 64 and 65 W.

Garfield County


Parachute District.

Grand County

1. The Granby Anticline. Grand County, Colo. Charles T. Lupton, Geologist, 1930, Twp. 2 and 3 N., Rs. 76 and 77 W.

Jackson County

1. Structure contour map of the Pole Mountain area, North Park, Jackson County, Colorado. Geology by H. E. Crum, assisted by J. D. Marr, Oct. 1927. Twp. 6 and 7 N., R. 81 W.

Fuller Anticline

Las Animas County


Mesa County

1. North and South section of the Grand Junction Structure by Cleve Langsten. n.d.


3. The Redlands, Mesa County, Colorado, from photo by Chas. Rump. Looking W. W. R. E. Meserve del. 1935. Secs. 29, 30, 31, 32, Twp. 1 S., R. 1 W. Ute P.M.

Moffat County (Cont'd.)

1. Map showing Wilson Creek or "Devil's Hole" Dome by W. C. Kneal and P. M. Birdsong. Oct. 1925. Texas Production Company, Denver, Twps. 2 and 3 N., Rs. 63, 64 and 65 W.

Montezuma County

Map of the Montezuma Anticline, Colorado. Twps. 38, 39 and 40 N., Rs. 18, 19 and 20 W. Proposed well, Sec. 3, Twp. 38 N., R. 19 W.

See Maps. Petroleum.

Dolores County, 1.

Montrose County


Pueblo County


Rio Blanco County

1. Map of the Douglas Creek Structure, Rio Blanco County, Colorado. Twps. 2 and 3 S., Rs. 101 and 102 W.

2. Map of the Piceance Creek Anticline. Prepared for the Argo Oil Company under the supervision of R. Clare Coffin, Chief Engineer, Midwest Oil Co., by E. S. Shaw and others. Twps. 1 and 2 S., Rs. 95, 96 and 97 W.

3. Preliminary map of Orado District, Colorado. Twps. 3, 4 and 5 S., Rs. 102, 103 and 104 W., southwest corner of Rio Blanco County.


Map showing Wilson Creek or "Devil's Hole" Dome by W. C. Kneal and P. M. Birdsong. Oct. 1925. Texas Production Company, Denver, Twps. 2 and 3 N., Rs. 63, 64 and 65 W.

See Maps, Petroleum.

Moffat County, 1.
Saguache County

1. Map of the property of the Peoples Oil & Gas Company, Saguache and Alamosa Counties. Twps. 39 to 43 N., Rs. 9 to 12 E., N.M.P.M.

San Miguel County

Dolores Anticline, teen E. Wincheste, 1928. Twps. 41, 42 and 43 N., Rs. 17, 18 and 19 W. N.M.P.M.

See Maps, Petroleum.

Dolores County, 2.

Weld County

Survey of Magnetic Highs: showing holdings of the Beiter-Foster Oil Corporation, Adams and Weld Counties, Colorado. J. A. Milkovsky, n.d. Twps. 1 and 2 N., 1, 2 and 3 S., Rs. 60, 61 and 62 W.

See Maps, Petroleum.

Adams County, 2.

M A P S

G E O L O G Y

Otero County

1. Areal and structural geologic map of Otero County, Colorado. Twps. 21 to 27 S., Rs. 54 to 59 W.

La Plata County

4. Approximate location of Big Vein Group and assumed strike of vein from Honey Dew mine through Silver Peak Mountain Meadow mine group. n.d. Sec. 13, Twp. 36 N., R. 11 W. N.M.P.M.

California Mining District.

San Juan County


Burek Mining District

See Lone Wolf Mining Co.
INDEX

Numbers Following Items Indexed Refer to Reports of Authors in
Part I and County Entries in Maps, Part II of Catalogue.

PART III

Amelyst: Beckstrom, J. F., 1.
Amethyst-Last Chance vein: Schwarz, 10.
Amethyst lode: Maps, mines, Mineral County, 16.
Anaconda Gold Mining Co.: C. S. B. M., 64.
Anaconda placer: Maps, mines, Summit County, 39.
Anchoria-Leland Mining & Milling Company:
C. S. B. M., 63, 73; Maps, mines, Teller County, 33, 37, 38.
Angelo group: Bradish, 6.
Angle Saxon placer: Maps, mines, Ouray Co., 2.
Apostora placer: Maps, mines, Lake County, 9.
Animas River placer: McCauslard, 3.
Ann Harris placer: Maps, mines, Ouray Co., 2.
Antelope lode: Rosenberg, Theodore, 2.
Anthracite Fuel Co.: Maps, coal, Gunnison Co., 2.
Apishapa region: U. S. G. S., 32.
A.P. Lode: Clark, 3.
Apple Blossom placer: Maps, mines, Pitkin County, 6, 10.
Arcilla county, petroleum: Well Logs, 1.
Arctic lode: Funk, 1.
Arctic mine: Maps, mines, Summit Co., 44.
Argentine group: Maps, mines, San Miguel County, 1, 2.
Argo Oil Co.: Maps, petroleum, Rio Blanco Co., 2.
Argosy Gold M. & MCo.: Deems, 1.
Ariakane holdings: Kennedy, 1.
Arikaree anticline: Harrison, 1.
Arlington group: Schwarz, 29.
Arnold claims: Holmes, W. I., 14.
Aspen mining belt: Maps, mines, Pitkin County, 6, 7, 10, 11, 12.
Aspen-Riverside group: Ritter, 5.
Aspen's silver mines: Rehhing, 1.
Augusta Metal Mining Co.: C. S. B. M., 25.
"Arapahoe Co., petroleum: McCain, 1; Well Logs, 1."
**Ranch: 1.91**

1. Silver
2. Mines
3. 1.71
4. Burger, 1.31
5. 1.31
6. Summit
7. 2).24

**Sheep: 1.91**

1. Bemrose
12. Big Five Tunnel: Big Five Tunnel, 1; Maps, mines, Clear Creek Company, 3.
15. Big Revenue group: Maps, mines, Clear Creek County, 3.
19. Bitter Creek camp, Monroose County: Charts, mines, Labor Costs, 2;
24. Black Oil: Lowrie, Jr., 1.
27. Black Wolf anticline: Harrison, 1.
34. Blue River placer: Holmes, W. I., 18; Maps, mines, Summit County, 40, 48.
38. Bosa Lode: Taylor, 1; Maps, mines, Fremont County, 1.
40. Bonanza mining district: U. S. G. S., 34.
42. Bon Ton and Carbonate group: Bohmer, 1.
43. Book Cliff: Errich, 1.
44. Boom placer: Maps, mines, Summit Co., 45.
Boulder County, maps: See Part II of Catalogue.
Boulder County, mineral resources:
flour spar and limestone, Maps, mines.
Colorado, 1;
ores in the Front Range counties,
Colorado State Mining Association, 1;
radium in Boulder County, Place, 1;
titanium ores in Colorado, Sharron, 1;
uranium and tungsten ores, C. S. B. M. 6.

Boulder County, mines:
Mine Records, C. S. B. M., 80;
Alaska M. & H. Co., Scofield, 1;
Albion group, Holden, 1;
Ballarat property, Haldane, 1;
Baxter mine, Byron, 7;
Big Five mines at Francis, C. S. B. M., 3;
Bluestone lode claims, Holmes, W. I., 2;
Boulder County mine, George and Fair, 1, 2;
Schwarz, 18;
Boulder Valley mine, Robinson, 1;
Caribou mine, George and Fair, 1, 2;
Chingis Kahn-Poomran Relief group, Fair, 6;
Colorado lode claim, Holmes, W. I., 6;
Columbia mine, Murray, 1;
Comstock group, Fair, 3;
Dolly Varden group, Byron, 8;
Eldora Mines Company, Teal, 1;
Emancipation mines, Promel, 7;
Fair County group, Smith, J. N., 1;
Finch group, Rule, 1;
Frank Heazelman group, Heazelman, 1;
Gary-Allen mine, Smith, Warren J., 1;
Gold Hill Mining Co., Thayer, 1;
Grand Republic group, Fair, 5;
Grange mine, Martin, 1; Randell, 1;
John Jay mines, Patrick, 1;
Little Johnny mine, Byron, 2;
Livingston Mining Co., Benjovsky, 1;
Byron, 5;
Logan group, Chase, Fair, and others, 1;
Major Gold Mining Co., Ashbaugh, 3;
Mammoth mine, Holmes, W. I., 4;
Schooley, 1;
Mann-Wyatt Placer Co., Holmes, W. I., 7;
Marten estate mines, Hill, 1;
Melvina property, Schwarz, 17;
Mermaid group, Massie, 1;
Mineral Holdings Co., Ashbaugh, 1;
Monitor group, Byron, 4;
Morning Star mine, Schwarz, 16;
Mother of Gold lode, Holmes, W. I., 1;
Ni Wot Mining Co., C. S. B. M., 4;
No Name mine, Richardson, 1;
Old England property, Williams, 1;
Pandora group, Fair, 2;
Prussian Gold Mining Co., Parish, Fred C., 1;

Boulder County, mines - Continued.
Pueblo Belle mine, Belser, 1;
Railroad Boy group, Shuman, 1;
Roseberry mine, Byron, 3;
Sac and Fox, Dunraven lodes, Schwarz, 15;
Star M. & M. Co., Ashbaugh, 2;
Sunshine group, Fair, 1;
Sylvia and Snowbound lodes, Holmes, W. I., 5;
Tambourne group, Coan, 1;
Tanner group, Tanner, 1;
Thomas L. Wood, Camp Albion, Schwarz, 4;
Thunderbolt mine, Byron, 1;
Tungsten King mines, Holmes, W. I., 3;
Tungsten mines at Tungsten, Fair, 7;
United Empire Gold Mines, United Empire Gold Mines, 1;
Wall Street Gold Exraction Co., C. S. B. M., 2;
Wheelmen's Mining and Tunnelling Co.,
C. S. B. M., 5;
White Raven mine, Beckstrom, E. L., 1;
Willow Run claims, Hamilton, 1;
Wood Mountain mine, Fair, 4; Teagarden, 1;
Zephyr and Cyclone claims, Armstrong, 1.

Boulder County, petroleum: Well Logs, petroleum and water, 1;
placers: Maps, mines, Boulder Co., 7, 10;
tungsten: Maps, mines, Colorado, 1.

Boulder County mine: George and Fair, 1, 2;
Schwarz, 18.

Boulder Valley mine: Robinson, 1;
Branson structure: Lupton, 2;
Brenn structure: C. S. B. M., 23;
Breckenridge Gold Belt: C. S. B. M., 60;
Brighton Mine No. 2: Maps, mines, Clear Creek Co., 4.

Britannic lode: Holmes, W. I., 4;
British Empire lode: Holmes, W. I., 4.
Brooklyn placer: Maps, mines, Summit Co., 45.
Brush Hollow anticline: Winchester, 2.

Burns lode: Holmes, W. I., 9.
Burroughs placers: Maps, mines, Gilpin Co., 3.
Butterfly-Terrible Gold Mining Co.: C. S. B. M., 56, 57, 58.

C.

Calamity camp, Mesa County: Charts, mines, Labor Costs, 2; Radium Company of Colorado, 1.
California & Sunburst lodes: Maps, mines,
   Summit Co., 2.
Campbell Mountain: Maps, mines, Mineral Co., 17.
Candler placer: Maps, mines, Summit County, 40.
Carron City coal field: Maps, coal, Fremont County, 1.
Carron City embayment: Kessler, 1.
Canterbury tunnel: Kleff, 1.
Captive Inca Mining Company: Schwarz, 10.
Carbonate-Ron Ton group: Ritter, 4.
Carbonate anticline: Winchester, 1.
Carbon Dioxide gas: Enrich, 1; Strieby, 1; Winchester, 1.
Carbonization of coal: Greene, 1; lode, 1; laucks, 1.
Caribou mine: George and Fair, 1, 2.
Carr placer: Maps, mines, Summit Co., 39.
Carronite: Burger, 3; Radium Company of Colo. 1.
Carronite Products Company: Charts, mines, Labor Costs, 2.
Carpenter Flats camp, Montrose County:
   Charts, mines, Labor Costs, 2; Radium Company of Colorado, 1.
Cathedral Bluff Trust Co.: Maps, petroleum, Rio Blanco County, 4.
Cave group: Schwarz, 7.
Chaffee County, mines - Continued.
   Gold Hill group, Holmes, W. 1, 8; Iron Chest group, Martine, 1; L. & S. claims No. 1 and No. 2, Lanzenendorf, 1; Pass Me By and other claims, Benjovsky, 2; Sedalia copper mine, Ashbaugh, 4; Shavano Mountain development, Croser, 1.
Chaffee County, non-metals:
   American Fluorspar Corporation, Ritter, 1; Fluorspar, Analysis of, Maushim, 1; Fluorspar, limestone and iron ore, maps, mines, Colorado, 1; Colorado travertine stone, Colorado Travertine Co., 1; Travertine, Haynes, 1; Park, 1.
   power sites: S. G. S., 26.
Chair Creek tunnel site: Maps, coal, Gunnison Co., 3.
Chair group: Shaffer, 1.
Chair placer: Maps, mines, Summit Co., 17.
Chair group: Maps, mines, Lake Co., 9.
Charleson placer: Maps, mines, Ouray County, 2.
Cheyenne County, petroleum: Prommel, 3; Well Logs, petroleum and water, 1.
Chingis Khan-Chouman Relief group:
   Fair, 6.
Clark placer: Maps, mines, Pitkin Co. 2; Summit Co., 9.
Clark tunnel: Fair, 7.
Cley: Beckstrom, J. F., 1;
   see also, Fuller's Earth.
Cley, Fire: see Fire Clay.
Clear Creek County, maps: see Part II of Catalogue.
   mineral resources: ores in the Front Range counties, Colorado State Mining Association, 1.
Clear Creek County, mines:
   Mine Records, C. S. B. M., 80;
   Alice mine, Shaffer, 1;
   American Mines Syndicate Company, Van Wagener, 1;
   Andrews lode, Schwarz, 36;
   Bellman and Amazon lodes, Schwarz, 1;
California & Sunburst lodes: Maps, mines.
Summit Co., 2.
Campbell Mountain: Maps, mines, Mineral Co., 17.
Candler placer: Maps, mines, Summit County, 40.
Canyon City coal field: Maps, coal, Frasertown,

Chaffee County, mines: Continued.
Gold Hill group, Holmes, W. I., 8.
Iron Chest group, Martine, 1.
L. & S. claims No. 1 and No. 2, Lenzendorf, 1.
Pass Me By and other claims, Benjovsky, 2.
Sedalia copper mine, Ashbaugh, 4.
Shavano Mountain development, Crosier, 1.

Chaffee County, non-metals:
American Fluorspar Corporation, Ritter, 1.
Fluorspar, Analysis of, Maushain, 1.
Fluorspar, limestone and iron ore, maps, mines, Colorado, 1.
Colorado travertine stone, Colorado Travertine Co., 1.
Travertine, Haynes, 1; Park, 1.
power sites: U. S. G. S., 26.

Chair Creek tunnel site: Maps, coal, Gunnison Co., 3.

Canyon City embayment: Kessler, 1.

Cathedral Bluff Trust Co.: Maps, petroleum, Rio Blanco County, 4.
Cave group: Schwarz, 7.

Cayuga placer: Maps, mines, Lake County, 9.
Central City mining district: Maps, Mines, Gilpin County, 6.
Central City-Russell Gulch gold gold mining district: Maps, mines, Gilpin Co., 5.
Central Seventy Acre group: Consolidated Extension Mines Co., 1.
Central Tunnel level: "Big Five Tunnel, 1.

Chaffee County, maps: see Part II of Catalogue.

Chaffee County, mines:
Calumet, Colorado, mining district.
Osborne and Rainwater, 1.
Collins group, Callin, 1.
Copper King of Colorado, C. S. B. M., 8.

Chaffee County, mines - Continued.

Chaffee County, non-metals:
American Fluorspar Corporation, Ritter, 1.
Fluorspar, Analysis of, Maushain, 1.
Fluorspar, limestone and iron ore, maps, mines, Colorado, 1.
Colorado travertine stone, Colorado Travertine Co., 1.
Travertine, Haynes, 1; Park, 1.
power sites: U. S. G. S., 26.

Chair Creek tunnel site: Maps, coal, Gunnison Co., 3.

Chair Creek tunnel site: Maps, coal, Gunnison Co., 3.

Chair group: Cason, 1.

Chair placer: Maps, mines, Summit Co., 17.
Chairman placer: Maps, mines, Lake Co., 9.
Char: Greene, 1; Iodides, 1, 2.
Charleston placer: Maps, mines, Ouray County, 2.
Chatooga placer: Maps, mines, Ouray County, 2.
Charts: see Part II of Catalogue.
Chester claims: Maps, mines, Summit Co., 24.
Cheyenne County, petroleum: Frommel, 3; Well Logs, petroleum and water, 1.

Chingis Kahn-Poorman Relief group:
Fair, 6.

Clark placer: Maps, mines, Pitkin Co., 2; Summit Co., 9.

Clark tunnel: Fair, 7.

see also, Fuller's Earth.

Clay, Fire: see Fire Clay.

Clear Creek County, maps: see Part II of Catalogue.

Clear Creek County, mines:
Mine Notes, C. S. B. M., 60.
Alice mine, Skaffer, 1.
American Mines Syndicate Company.
Avery Mine, 1.
Andrews lode, Schwarz, 76.
Bellman and Amazon lodes, Schwarz, 1.
Clear Creek County, mines - Continued.

West Gold Mining Co., West Gold Mgr. Co., 1;
W. W. Wilmore, et al. vs Chain O'Mine, Inc.,
and Mattie Consolidated Mining Co., 1;
placer: Maps, mines, Clear Creek Co., 1,
2, 7, 8, 12, 13, 15.

stream pollution: Wood, 1.

Clemmons placer: Maps, mines, Ouray County, 2.
Cleveland placer: Maps, mines, Summit County, 42.

distillation: Greens, 1; Ionides, 1, 2;
Laucks, 1.

Cumnison County: Tonge, 2; U. S. C. S., 8.
industry, early history of: Miller, 1.
Maps: see Part II of Catalogue.

Dena County: Peckstrom, J. F., 1.

Hoffman County: U. S. G. S., 15, 16;
Ute Coal Co., 1.

bretton County: U. S. G. S., 9.

Brett County: U. S. G. S., 10, 11, 16, 17.

C.O.D. mine: Arthur, Jr., 1; Ritter, 9.

Coke: Greens, 1; Ionides, 1, 2; Laucks, 1.

Colby placer: Maps, mines, Teller Co., 34.

Collins group: Callin, 1.

Colorado, mineral resources: Burger, 3;
Treasure Chest Association, 1;
Winchester, 7.

minerals: Winchester, 7 (distribution Chart).

Dena County: Tonge, 2; U. S. C. S., 8.
industry, early history of: Miller, 1.
Maps: see Part II of Catalogue.

mines, maps: see Part II of Catalogue.

mines, metalliferous: C. S. B. N., 87;
Joyce, 2.

petroleum: Prommel, 10; U. S. G. S., 15,
35; Welt Logs, petroleum and water, 1.

power sites: U. S. G. S., 21, 22, 23.

stratigraphy: U. S. G. S., 33.

Colorado and Wyoming Development Co.: Schwarz, 13.

Colorado City shaft: Maps, mines, Teller Co., 42.

Colorado Copper Mining Co.: C. S. B. N., 8.

Colorado Diamond Tunnel Silver Mining Company: Schwarz, 19.

Colorado Fuel & Iron Co.: Maps, coal, Fremont
Co., 1, Huerfano, Las Animas counties, 4;
Miller, 1.
Colorado - Continued.
Colorado Geological Survey Board: U. S. G. S., 70; Winchester, 7.
Colorado lead claim: Holmes, W. I., 6.
Colorado River: U. S. G. S., 21, 22, 23.
Colorado Springs, City coal mine of:
Colorado Springs Mining Stock Association, 1.
Colorado State Mining Assn.: C. S. M. A., 1.
Colorado State Planning Board: C. S. P. B., 1, 2.
Columbia group: Maps, mines, Summit Co., 43.
Columbia mine: George and Fair, 1; Murray, 1.
Columbia mining district: Maps, mines, Pitkin County, 19, 20.
Columbia-Mesa group: C. S. B. M., 52
Columbia placer: Maps, mines, Lake Co., 13, 14; Summit Co., 18.
Columbian: Burger, 3.
Colorado Mines Co.: Reed, 8.
Comet Flat vein: C. S. B. M., 68.
Commodore placer: Maps, mines, Summit Co., 32.
Comstock group: Fair, 3.
Comstock mine: Toll, 1.
Concentration: "jenovsky," 3; see also
Smelting & Refining.
Conejos County, mines:
petroleum: Well Logs, petroleum and water, 1.
Conejos group: United Gold Mines Co., 1, 2.
Connors Bonanza group: Tongue, 1.
Consolidated Captain Kirby placer:
Maps, mines, Lake County, 12.
Consolidated Gem M. Co.: Maps, mines, Clear Creek Co., 3.
Consolidated Metals, Inc.: Maps, mines, Gilpin County, 1.
Consolidated Park M. Co.: Maps, mines, Clear Creek Co., 3.
Consolidated Pay Rock Mining Co.: Schwarz, 20.
Consolidated Ten Mile mining district:
see Ten Mile mining district.
Contention claim: Fohrer, 2.
Continental Divide: Van Wagenen, 1.
Continental Mines, Pow'r & Reduction Co.:
C. S. B. M., 24, 15.
Copper placer: Maps, mines Teller Co., 11, 34.
Copper: Ashbaugh, 4; Reekstrom, J. F., 1.
Colorado Copper Co., 1.
Copper, production by counties: Maps, mines, Colorado, 1; Charts, mines, Colorado, 1.
Copper district, Larimer County: C. S. B. M., 30
Copper King of Colorado: C. S. B. M., 2.
Copper Mountain tunnel, or Roosevelt tunnel:
Nelson, A. P., 1.
Copper Prince prospect: Schwarz, 21.
Copper Queen of Salida: C. S. B. M., 8.
Corkescrew placer: Maps, mines, Summit Co., 43.
Costilla County, maps: see Part II of Catalogue.
Costilla County, mines:
East Blackmore tract, Holmes, W. I., 12;
Rito Seco property, Ritter, 2.
petroleum: Well Logs, petroleum and water, 1.
placers: Maps, mines, Costilla Co., 1.
Cotopaxi group: Martine, 3.
Cranck case drainings: Ioneides, 3.
Creede: Maps, mines, Mineral Co., 1, 2.
Creede Flat vein: Hills, 1.
Creede Mines, Inc.: Clark, 2.
Creede placers: Maps, mines, Mineral Co., 5.
Cresson Consolidated Gold Mining Co.:
Maps, mines, Teller County, 22.
Cresson shaft: Maps, mines, Teller County, 41.
Cripple Creek mining district: Maps, mines, Teller County, 5.
Cripple Creek placer: Maps, mines, Teller Co., 34.
Criterion property: Martine, 10;
Ashbaugh, 7.
Crowley County, petroleum: Maps, petroleum.
Crowley Co., 1; Osborne, C. B., 1; Fohrer, 1;
Well Logs, petroleum and water, 1.
Crown placer: Maps, mines, Summit County, 36, 37.
Crown Point-Virginia mines: Byrnes, 1.
Crude oil: Taums, 1.
Crystal, Gunnison County: Maps, mines.
Gunnison Co., 4.
Cumberland mines: Reed, 6.
Custer County, maps: see Part II of Catalogue.
Custer County, mines:
Humboldt-Pocahontas mines; Smith, J. R., 1;
Opk-ir lode claims: Martine, 2;
Passiflora Mining & Milling Company,
Bradley, 1, Vidler, W. W., 1.
Colorado - Continued.
  Custer County - Continued.
  non-metals: Sharer, 1.
  petroleum: Well Logs, petroleum and water, 1.
  Cyclone lode: Iron Silver Mining Co., 1.

D
Daisy group: Dwelle, 1.
Daisy placer: Maps, mines, Summit Co., 39.
Damon group: United Gold Mines Co., 1, 2.
Danforth Hills coal district: Ute Coal Co., 1.
  Dark Horse placer: Maps, mines, Teller County, 3d.
  Davenport placer: Maps, mines, Summit County, 36.
  Davises map of Hinsdale County: Maps, mines, Hinsdale Co., 1.
  David H. Mining property: Ritter, 6.
Dead Mule Gulch group of Vermiculite
  claims in Custer County: Sharer, 1.
  Deadwood 1st. level: Maps, mines, Teller Co., 40.
  Deadwood placer: Maps, mines, Park County, 2.
  Deadwood group: C. S. B. M., 62; United Gold Mines Co., 1, 2.
  De Beque oil shale field: Winchester, 6.
  Deer Gold Mining Co.: Rosenberg, T., 2.
  Delaware Gold M. & M. Co.: Maps, mines, Summit Co., 46.
  Delaware placer: Maps, mines, Summit County, 23.
  Del Monte Mining and Milling Co.: Del Monte
    M. & M. Co., 1, 2; Maps, mines, Mineral County, 8.
  Delta County, petroleum:
    Well Logs, petroleum and water, 1.
  Delta-Newcastle Gold Mining Co.: Maps, mines, La Plata County, 9.
  Denison placer: Maps, mines, Summit County, 49.
  Denver City property: Schwarz, 32.
  Denver County, petroleum:
    Well Logs, petroleum and water, 1.
    Denver placer: Maps, mines, Park Co., 2.
  Derby structure: Lupton, 1; Maps, petroleum,
    Adams County, 1.
  Develland and Pandora mining claims: Fair, 2.
  Devlin lode: Iron Silver Mining Co., 1.
  Dew Drop claims: Martine, 6.
  Dewey placer: Maps, mines, Summit Co., 34, 37.
  Dillon shaft: Maps, mines, Teller Co., 46.
  Distillation of coal: see Coal Distillation.

Ditch & flushing Company's placers: Maps,
  mines, Lake Co., 9.
Divide Creek anticline: Perini, Jr., and
  Iavington, 1.
Dix placer: Maps, mines, Summit Co., 37.
Dollar Savings M. & M. Co.: Maps, mines,
  Clear Creek Co., 3.
Dolly Varden group: Byron, 6.
  Dolores anticline: Maps, Petroleum, Dolores
    Co., 2.
  Dolores County, Maps, see Part II of Catalogue.
  Dolores County, mines:
    Mine Records, C. S. B. M., 80;
    Gold Anchor group, Morris, 1.
    Petroleum: Well Logs, petroleum and water, 1.
  Donovan lode: Rosenberg, T., 2.
  Dorit-Perkins group: Maps, mines, Clear Creek
    County, 12.
  Douglas County, mines:
    petroleum: Well Logs, petroleum and Water, 1.
  Douglas Creek structure: Maps, mines,
    Rio Blanco Co., 1; McLeod, J. D., 1.
  Douglas Mountain Mining Co.: Beeler, 2.
  Dove Creek anticline: Brown, F. F., 1.
  Drainage tunnels:
    Leadville tunnel (proposed), Dickerman, 1;
      Kleff, 2; Southern Colorado Power Co., 1;
      See also Pumping Plants.
  Dry Creek anticline: Brown, F. F., 1.
  Dry Mesa dome: U. S. G. S., 4.
  Dry placer: Maps, mines, Summit Co., 50.
  Duff Gordon placer: Maps, mines, Eagle Co., 2, 3.
  Dunkirk group: Maps, mines, Clear Creek Co., 11.
  Dun patent: George and Fair, 1.
  Dunraven lode: Schwarz, 15.
  Durango Girl Gold M. & M. Co., Ritter, 7;
    Vanderberge, 1.
  Durango Placer Gold Mining Co., Dantziger, 1.
  Dwyer Leasing Co.: Maps, mines, Mineral Co., 12.

E
Eagle County, maps: see Part II of Catalogue.
Eagle County, mines:
  Mine Records, C. S. B. M., 80;
  Cave group: Schwarz, 7;
  Little Chief, C. S. B. M., 13;
  Polar and Rocky Point group, C. S. B. M.,
    19;
  placers: Maps, mines, Eagle Co., 3, 4, 5.
Eagle County - Continued.

power sites: U. S. G. S., 24.

Eagle placer: Maps, mines, Costilla County, 1.


Eagle River placer: Maps, mines, Eagle Co., 5.

East Blackmore tract: Holmes, W. I., 12.

East Lynn placer: Maps, mines, Lake County, 9.

East Watayde lode: Schwartz, 23; Maps, mines, Gilpin County, 22.

East Paradox Valley: Maps, petroleum, Montrose County, 1.

Ebert placer: Maps, mines, Clear Creek County, 1.

Schmidt Patch placer: Maps, mines, Summit County, 25.


Egypt placer: Maps, mines, Ouray Co., 1, 2.

Elbert County, petroleum: Well Logs, petroleum and water, 1.

El Crest Mining Co.: Maps, mines, Teller County, 2, 3.

Eldorado group: C. S. B. M., 52.

Eldora mines: Maps, mines, Boulder County, 15.

Eldora Mines Company: Teal, 1.

Elephant tunnel: Maps, mines, Summit County, 8.

Elk Mountain: Maps, mines, Summit County, 46.


El Paso Consolidated Gold Mining Co.: C. S. B. M., 74.

El Paso County, Maps: see Part II of Calago Catalogue.

El Paso County, mineral resources:

limestone: Maps, mines, Colorado, 1;

mineral springs, Brown, F. E., 1;

mineral waters, Fisher, 1;

natural gas, Stievey, 1.

mines:

Mine Records, C. S. B. M., 80;

Iron King mine, Burger, 1.

petroleum: Well Logs, petroleum and water, 1.

water: Cannon, 1.


Emancipation mine: Frohmell, 7.

Emerson Mine claim: Bochmer, 2.


Emelineia claim: Schwartz, 16.


Emett & Lowe placer: Maps, mines, Summit County, 47.


Emperor tunnel: Maps, mines, Summit Co., 7.

Empire lode: Tulley, 1.


Enterprise group: Wilcox, 1.

Enterprise mining claim: Massey, 3.

Eocene gravels: U. S. G. S., 12.

Escondido anticline: Frohmell and Crow, 1.

Ethan Allen group: Prashut, 3.


Eveline lode: Maps, mines, Mineral Co., 16.

Eugene Mines, Inc.: Clark, 1.

Eureka workings: Maps, mines, Summit Co., 5.

Evans placer: Maps, mines, Summit County, 36, 37.

Evening Star: Schwartz, 16.

Excelsior mine: Maps, mines, Summit Co., 41, 42.

Excelsior property: Maps, mines, Summit Co., 15.


Em R. mine: Paul, 1.

F

Fair County: group: Smith, J. R., 1.

Fall River property: Worthington, 1.

Fall River Power Co.: Dayton, 1.

Fall River placer: Maps, mines, Clear Creek Co., 1.

Fanny placer: Maps, mines, Summit County, 48.

Parish placer: Maps, mines, Gilpin Co., 3.


Federal lode: George and Fair, 1.

Federal Mining and Smelting Co.: see Ritter, 2, Sec. 12.

Feldspar: Anonymous, 2; Pancroft, 1.

Beckstrom, J. E., 1; Burger, 3.

Fair, 8; Western Feldspar Milling Co., 1.

Ferber: Turner, 1.

Field placer: Maps, mines, Pitkin Co., 6, 12.

Finch group: Hale, 1.

Fire Clay: Denver Fire Clay Co., 1; Tonge, 2.

First Centennial mine: Schwarz, 9.

Flat Top camp, Mesa County: Charts, mines, Labor Costs, 2; Radium Company of Colorado, 1.

Flora placer: Maps, mines, Summit Co., 15.

Florence oil field: Boyd, 1.

Florence Refinery: Boyd, 1.

Flotation concentration: see Concentration.

Fluorspar: Pancroft, 1; Maps, mines, Colorado, 1; Mausheim, 1; Ritter, 1.

Fort Collins-Wellington anticline: Harrison and Horn, 1; U. S. G. S., 2;

Winchester, 1.

Fort Morgan anticline: Bourne, 1;

U. S. G. S., 1, 2.

Fountain Dome area: Maps, petroleum, El Paso County, 1.

Four Mile Gulch Mining Co.: Schwarz, 5.

Fowler placer: Maps, mines, Pitkin Co., 6, 12.

Frank Lee claim: Milliken, 1.

Garfield County, maps: see Part II of Catalogue.

Garfield County, mines:
- Mine Records, C. S. B. M., 30;
- Garfield Vanadium Corporation, Garfield Vanadium Corporation, 1.

Petroleum:
- Commercial possibilities of the oil shale industry, Rosenberg, Karl D., 1; Russell, 1;
- Divide Creek anticline, Perini, Jr., and Franson, 1;
- Garaventa gas field, Ellis, 1;
- Harvey Gap structure, Winchester, 3;
- S. C. S. group, Winchester, 6;

Well Logs, petroleum and water, 1.

power pipe lines: Rosenberg, T., 1.

power sites: U. S. G. S., 30.

Uranium and vanadium: Maps, mines, Colorado, 1.

Garvanza anticline: Durbin, 1.

Garvanza gas field: Durbin, 1; Maps, petroleum, Garfield Co., 1.

Gary-Allen mines Smith, W. J., 1.

Gastown mine: Maps, mines, Gilpin Co., 16.

Gelid: Ionides, 3.

Gem stones: Kessler, 1.

General Sherman mine, Dall, 1.

Genesee-Vanderbilt Mining Co.: Schwarz, 37, 38.

Geology: Crape, 1; Maps, geology, Otero County, 1;

Massy, C. R., 1; Osborne and Rainwater, 1;

U. S. G. S., 3, 5, 9, 20, 33, 34.


George B. placer: Maps, mines, Summit County, 37.

German Flats placer: Pearson, 1.


Gilpin County, maps: see Part II of Catalogue.

Gilpin County, mines:
- Mine Records, C. S. B. M., 30;

Arctic lode, Funk, 1;

Argosy Gold M. & M. Co., Deans, 1;

Barnes group, Holland, 1; Bank, 1;

Barnes-Coauftiet group, Fuller, 1;

Bates-Bonanza mines, Ashbaugh, 5;

Low Drop claims, Martine, 6;

Eugene Mines, Inc., Clark, 1;

First Centennial mine, Schwartz, 9;

Free American and New York claims, McLeod, J.N., 1;

Front Range counties, available ores, Colorado State Mining Association, 1;

Gold Basin group, Martine, 5;

Golden Eagle and other claims, Holmes, W.I.13;

Golden Vault M. & M. Co., Caldon, 1;

Grand Union group, Martine, 7;

Gregory-O'Neill group, Horn, C. R., 2;
Gilpin County - Continued.

Hubert Mining Co., Schwarz, 8;
Kellerer group, Funk, 2;
King Bee group, Cook, 1;
King Bee M. & M. Co., Heller, 1;
Lotus group, Jenners, 1;
McAllister mine, Knight, 2;
Old Kentucky group, Beeler, 3; Parish, F.G.;
Pennsylvania Mining, Power and Reduction
Co., Dutton, 1; Mars, 1; Pennsylvania M. &
R. Co., 1; Sadler, 1;
Perseverance group, Caravan, 1;
Pewabic Consolidated Gold Mines Company,
C. S. E. M., 22;
Pine Creek district, Gilpin County,
C. S. E. M., 20;
Powers mine, Schwarz, 22;
Rex Developing Co., Massey, 2;
Saratoga Gold Mines, Inc., Rickard, F., 1;
Springdale or Gold Rock mine, Parish, W. A.;
Stewart mine, Lindemann, 1; Watson, 1;
Town Topics Mining Co., Schwarz, 23;
Tucker mine, Foster, E. I., 1;
tungsten-ferberite, Hurlingsm, 1.

mining districts: Gilpin County Chamber
of Commerce, 1.

placer: Maps, mines, Gilpin County, 19, 21.

Gilsonite: U. S. G. S., 12.

Gladiator Gold and Silver Mining Co.: Dall, 1.
Gladiator mine: Maps, mines, Hinsdale County, 4, 5.

Gold, lode and placer, production by counties:
Maps, mines, Colorado, 1.

Gold, placer: Bancroft, 1.

Gold Anchors group: Mars, 1.

Gold Basin group: Martine, 5.

Gold Basin placer: Maps, mines, Lake County, 14.

Gold Cap properties: Asbaugh, 10.

Gold Brick mining district: Maps, mines,
Cunnison Co., 5.

Gold Coin Mining Syndicate: Marks, 2.

Gold Coin shaft: Maps, mines, Teller Co., 46.

Gold Cord tunnel: Maps, mines Summit Co., 54.

Gold Dollar, Gold Bullion and Anchor lode:
Anchor Mines Syndicate, 1.

Gold Dollar Mining Co.: Maps, mines, Teller
County, 5.


Golden Crown placer: Maps, mines, Summit
County, 35, 36, 37.

Golden Cycle Corporation: Maps, mines, Teller
County, 38.


Golden Egg placer: Maps, mines, Clear Creek
County, 12.

Golden Empire Mining Co.: C. S. B. M., 16.

Golden Fleece mine: Chase, E. E., 1;
Holmes, W. I., 15; Rickard, T. A., 1;
Maps, mines, Hinsdale County, 4, 8.

Golden Key claim: Robinson, 1.


Golden Vault M. & M. Co.: Caldon, 1.


Gold Hill group: Holmes, W. I., 8.

Gold Hill Mining Company: Thayer, 1.

Gold Hub Mines Company vein system:
Kennedy, 1.

Gold Key M. & M. Co.: Maps, mines, Park Co., 3.

Gold King mill: C. S. B. M., 47.

Gold King mining Co.: Maps, mines, Teller Co., 17.

Gold Links tunnel: Pearson, 1.

Gold King placer: Maps, mines, Summit County,
34, 36, 37.

Gold Nugget group: Reed, 1.


Gold Pit Placer Co.: Gold Pit Placer Co., 1.

Gold Run Consolidated Mining Co.: Schwarz, 12.

Gold Star placer: Maps, mines, Park County, 3.

Gold values in placer lands: C. S. B. M., 1.

Goodale placer: Maps, mines, Summit County, 40.

Good Luck placer: Maps, mines, Costilla Co., 1.


Goose Creek basin: Maps, mines, Cunnison Co., 9.

Gordon and Bengal Tiger mines: Maps, mines,
Lake County, 3.


Grace I. Fox claim: Maps, mines, Lake Plata
County, 10.


Granby anticline: Maps, petroleum, Grand Co., 1.

Grand County, maps: see Part II of Catalogue.

Grand County, mines:
Mine Records, C. S. B. M., 80;
North Park and Vandalia Mining and
Smelting Co., Jenks, 1.
non-metales
asphalt deposits of Middle Park, C. S. B. M., 23;
gilsonite in early Eocene gravels.

U. S. G. S., 12.

Grand Island mining district: Maps, mines,
Boulder County, 16.

Grand Junction structure: Maps, petroleum.

Mesa Co., 1.


Grand Republic group: Fair, 5.
Granite ( black ); Bancroft, 1.
Graphite; Burger, 3.
Gray; Bancroft, 1.
Graywacke and placer districts: Maps, mines, Costilla County, 1.
Gray Eagle placer: Maps, mines, Costilla Co., l.
Greasewood anticline: Parbour, 1; U. S. G. S., 1, 2.
Greasewood Dome inspection trip: Parbour, 1.
Greene-Jaucks coal distillation process:
Greene, 1; Ionides, 1, 2; Jaucks, 1.
Green mountain mine: Neugebauer, 2.
Gregory-Duell Consolidation: Maps, mines, Gilpin County, 24.
Gregory-O'Neil group: Horn, C. R., 2.
Grummer mine; Donaher, 1.
Gualupes group; Bradish, 2.
Gunnison County, maps; see Part II of Catalogue.
Gunnison County, mineral resources:
liquid hydrocarbon from Ohio Creek coal mine, U. S. G. S., 6;
metals and minerals of Gunnison County, Nelson, A. P., 2;
mixing districts, producing mines and prospective properties, Nelson, A. P., 1;
mixing in Gunnison County, Pearson, 1;
hemmor Star, David H. and Whitepine mixing properties, Ritter, 6;
natural resources of Gunnison County, Tonge, 2;
Netted Gem group, Carroll, 1;
North Pole, Carbonate-Con Ton and the Harris & Farley groups, Ritter, 4;
Ruby properties, Ashbaugh, 6;
Sheep Mountain property and tunnel, Dittus, 1; Juhan, 1; Noon, 2;
Silent Friend mine, Schwartz, 24;
tungsten and molybdenum districts, News Champion, 1;
Whopper, Teller and adjoining claims, Prommel, 9.
Gunnison County, mixing districts:
imixing districts, producing mines and prospective properties, Nelson, A. P., 1;
placers: Maps, mines, Gunnison Co., 4; potash: Prommel, 10;
power sites: U. S. G. S., 25;
quarters: Nelson, A. P., 1; Prommel, 10.
G. W. T. mine; Fooks, 1.
Gypsum: Beckstrom, J. F., 1.
Gypsum anticline: Brown, P. P., 1.
Gypsum beds: Brown, P. F., 1.
Gypsum Valley camp, San Miguel County:
Charts, mines, Labor Costs, 2;
Pramela Company of Colorado, 1.
Gypsum Oil Co.; Enrich, 1; Maps, petroleum, Garfield Co., 1.

Hahn's Peak district: C. S. B.M., 41, 42.
Hall placer: Maps, mines, Ouray County, 2.
Hamilton Gold M. & M. Company, Kirk, 1;
Nicholson, 1.
Hanna Britt mine; Maps, mines, Teller Co., 24.
Happy Jack group; Bradish, 5.
Happy Thought claim: Maps, mines, Mineral County, 10, 11.
Harris & Farley group; Ritter, 4.
Harrison claim: Deems, 1.
Harvey Gap structure; Winchester, 3.
Hayden placer: Maps, mines, Teller Co., 34.
Haywood placer: Maps, minerals, Park Co., 3.
Helium gas; Colorado State Planning Board, 1;
Winchester, 1.
Hells Canyon section; Crapo, 1.
Hematite; Beckstrom, J. F., 1.
Hannietta-Hizzieiwein: C. S. B. M., 45.

Hannietta group: Blue Bird Mining & Milling Co., 1; C. S. B. M., 48; Sadtler, 2.

Henson Creek placer: Maps, mines, Hinsdale County, 1.

Hercules mill: C. S. B. M., 47.

Hawathia placer: Maps, mines, Lake County, 9.

Hibschle placer: Maps, mines, Lake County, 9.

Hicks-Detroit claim, Berger and Sayre, 1.

Hidden dome: Prommel, 5.


Highland Chief group: Bradish, 3.


Highland Mary mine: Colburn, 2.

Highland mines, Inc.: Maps, mines, Pitkin County, 11.

Highland mining claim: Prommel, 11.

Highland placer: Maps, mines, Pitkin Co., 12.

High Line structure: Maps, petroleum, Mesa County, 2.


Hilda Mining Co.: Schwarz, 11.

Hille power pipe line: Rosenberg, T., 1.

Hill's Dome: McCain, 1.

Hillside group of Verdiculite claims in Fremont County: Sharrer, 1.

Hinsdale County, maps: see Part II of Catalogue.

Hinsdale County, mines:


Emerald Isle and Contention claims.

Boehmer, 2.

Father Forestall and other claims.

Wheeler, 1.

Gladiator Cold & Silver Mining Co., Dall, 1.

Golden Fleece mine, Chase, E. E., 1.

Holmes, W. I., 15; Rickard, T. A., 1.

Hinsdale Mining Co., Martine, 9.

 placer: Maps, mines, Hinsdale Co., 1, 2, 7.

Hinsdale Mining Company's properties:

Martine, 9.

Holy Cross mining district: Maps, mines, Eagle County, 4.

Homer placer: Maps, mines, Lake County, 9.

Homestake-Little Caddy group: Consolidated Extension Mines Co., 2.

Homestake lode: Milliken, 2.

Honey Dew mine: Maps, mines, La Plata Co., 14.

Hookup structure: Maps, petroleum, Las Animas County, 1.

Hoosier Gold Mines Co., Summit County: Calloway, 1.

Hoosier mine, Teller County: Milliken, 1.

Hope group: Rosenberg, K. D., 1.

Hope Mining M. & L. Co.: Maps, mines, Pitkin County, 16.

Horse Shoe placer: Maps, mines, Costilla Co., 1.

Hotchkiss et al placer: Maps, mines, Hinsdale County, 7.

Houlton placer: Maps, mines, Lake County, 9.

Hubert Mining Co.: Schwarz, C.

Hubnerite: News Champion, 1.

Hull City placer: Maps, mines, Costilla County, 1; Teller County, 34.

Hunt placer: Maps, mines, Ouray County, 2.

Summit County, 33, 48.

Hutton Shale Oil & Refining Co.: Maps, petroleum, Rio Blanco County, 4.

Huerfano County, maps: see Part II of Catalogue.

Huerfano County, mines:


petroleum:

Pedito-Alamo region, Prommel, 6;

Escondido anticlines, Prommel and Crum, 1;

oil and gas possibilities near Walsenburg, Hanley, 1.

Well Logs, petroleum and water, 1.

Humboldt Consolidated Mining Company properties:

Humboldt Consolidated Mining Co., 1.

Humboldt-Pocahontas mines: Smith, J. R., 1.

Huntington lode: Schwarz, 6.

Hunt mining claims: Maps, mines, La Plata County, 19.

Hydraulic camp, Montrose County: Charts, mines, Labor Costs, 2; Radium Company of Colo., 1.


Hydrocarbon, Liquid: U. S. G. S., 8.

Hydro-Electric development: Rosenberg, T., 1.

I.

Ice Cream well: Winchester, 1.

Idaho Springs Gold Producing Co.: C. S. B. M., 12.


Idaho tunnel in Clear Creek County: Joyce, 1.

Ida Johnson well No. 1: Parbour, 1.

Ida May placer: Maps, mines, Summit Co., 37.


Ilmenite: Pancroft, 1; Sharron, 1.


Imperial placer: Maps, mines, Park Co., 7.

Inca group: Maps, mines, La Plata Co., 4.

Incidental mine: Maps, mines, Gilpin Co., 19.

Incidental placer tract: Maps, mines, Gilpin County, 19.

Independence district: Maps, mines, Pitkin County, 2.
Independence Extension Mining Co.: C. S. B. M., 76.
Independence gold property: Rohlfing, 2.
Independence shaft, Portland mine: Maps, mines, Teller County, 45.
Ingram group: Broadman, 1.
International: Maps, mines, Teller Co., 46.
International Metallurgical Co.: Brace, 1.
Iowa Gold M. & M. Co.: C. S. B. M., 44.
Iowa placer: Maps, mines, Summit Co., 23.
Iron: Bancroft 1; Sharron, 1.
Iron Chest group: Martine, 1.
Iron King mine: Burger, 1.
Iron Mask group: Beeler, 1; Holmes, R. W., 1.
   McFadden, G. B., 1; Schooley, 2.
Iron ore: Maps, mines, Colorado, 1.
   Iron Silver Mining Co., 1, 2, 3; Schwarz, 25; Maps, mines, Lake County, 7.
Irrigation: see Water, Irrigation.
Isabella Mines Company: C. S. B. M., 68.
Italian Mountain draining & transportation tunnel: Maps, mines, Gunnison Co., 3.
Jack Pot Mining Co.: C. S. B. M., 66.
Jackson County, maps: see Part II of Catalogue.
Jackson County, petroleum:
   Well Logs, petroleum and water, 1.
Japan-Boxley group: Bradish, 6.
J.B. Johnson mining claims: Maps, mines, Gilpin County, 12, 26.
Jeannette placer: Maps, mines, Ouray Co., 2.
Jefferson County, mineral resources:
   minerals of Jefferson County, Bancroft, 1;
   Oregon and Little Patsy feldspar mines, Fair, 8.
Jefferson County, mines:
   petroleum: Well Logs, petroleum and water, 1.
Jerry Johnson G.M. Co.: Maps, mines, Teller Co., 7, 8, 9.
Jerusalem placer: Maps, mines, Summit Co., 50.
Jewel Mining Co.: Root, Jr., 1.
John Jay mine: Patrick, 1.
John Reed mine: Schwarz, 28.
Johnson placer: Maps, mines, Pitkin, Co., 2.
Jones placer: Maps, mines, Clear Creek Co., 2, 7.
J. Q. A. Rollins placer: Maps, mines, Gilpin County, 3.
Judson C. Cleaver group: Bradish, 1.
Judson placer: Maps, mines, Teller Co., 34.
Jumbo Mining Co.: Maps, mines, La Plata Co., 9.
Junction placer: Maps, mines, Summit Co., 15.
K
Kalama-zoo lode: George and Fair, 1.
K. & C. placers: Maps, mines, Ouray County, 2.
Keeley lode: Tulley, 1.
Kalleher group: Funk, 2.
Kemper placer: Maps, mines, Summit Co., 38.
Kendall Mountain placer: Maps, mines, Ouray County, 2.
Kendrick & Gelder smelter: C. S. B. M., 47.
Kendrick & Gelder Smelting Co.: C. S. B. M., 45, 46.
Kendrick Promotion Co.: C. S. B. M., 45.
Kennerly and other claims: Prommel, 8.
Kentucky Belle group: C. S. B. M., 39.
Kentucky claim: Bradish, 5.
Kentucky Giant mine: Bradish, 2.
Keyser mine: Maps, mines, Teller Co., 27.
Kimberly mine: Thomas, 1.
King Bee group: Cook, 1; Heller, 1.
King Solomon placer: Maps, mines, Summit Co., 15.
King Solomon's placer: Maps, mines, Teller Co., 11.
Kiowa County, petroleum: Well Logs, petroleum and water, 1.
Kit Carson County, petroleum: Well Logs, petroleum and water, 1.
Kit Carson vicinity: Prommel, 3.
Kittie M. claim: C. S. B. M., 64.
Kittismac group: Lone Wolf Mining Co., 1.
   Maps, mines, San Juan Co., 2, 3, 4.
Kitty M. mine: Maps, mines, Teller Co., 19.
Klack Gulch placer: Maps, mines, Summit Co. 48.
Klondike group: Bradish, 1.
Kokomo, Ten Mile district: Dunakhy, 1.
Kokomo and Robinson mining districts:
   Maps, mines, Summit Co., 18.
Kokomo placer: Maps, mines, Summit Co., 12.
L
Labor Costs: Charts, mines, 2.
L- Continued.

LaCazenenna placer: Maps, mines, Ouray Co., 2.
Lady Elephant Consolidated Gold Mines Co.: Ritter, 10; Maps, mines, La Plata Co., 17, 18.
Lake County, maps, see Part II of Catalogue.
Lake County, mines:
Mine Records, C. S. B. M., 80;
Alicante mine, Schwartz, 28;
Big Evans Mining Co., Schwartz, 27;
Canterbury tunnel, Keff, 1;
Deal Gold Lining Co., Rosenberg, T., 2;
drainage tunnel would restore prosperity, Keff, 2;
Fryer Hill Mines Co., Fryer Hill Mines Co., 1;
gold mines, sites for finding, Cortellini, 1;
Iron Silver and Stall Hopes, smelting results, Brace, 1;
Iron Silver Mining Co., C. S. B. M., 26;
Iron Silver mining Co., 1, 2, 3; Schwartz, 25;
Loyal Gold M. & M. Co., C. S. B. M., 27;
R. B. of Erin, C. S. B. M., 28;
Mansfield group, McClain, 1;
mining in the Leadville district, McDonald, 1;
molybdenum mining property No. 1, adjoining molybdenum Co. property, Holmes, W. I., 16;

Morocco Mining Co., Schwartz, 26;
New Century Mining, Milling & Leasing Company, C. S. B. M., 29;
Manganese: Maps, mines, Colorado, 1.
molybdenum: Maps, mines, Colorado, 1.
mine leases: Maps, mines, Lake County, 1, 5, 9, 10, 12, 14.

Lake Henry anticline: Maps, petroleum,
Crowley County, 1.
Lake placer: Maps, mines, Summit Co., 34, 37.
La Kota placer, Maps, mines, Summit Co., 30.
La S. claims: Lanzendorf, 1.
La Plata County, maps: see Part II of Catalogue.
La Plata County, mines:
Mine Records, C. S. B. M., 80;
Astra mine, Tripp, 1;
Animas River placer, McCausland, 3;
Aurora group, Wayt, 1;
Besse Junior property, Craig, 1;
California mining district, group of claims in, Aller, 1;
Colorado-Juneau Mines, Inc., Brecken, 1;
Colorado-Juneau Mines, Inc., 1;
Columbus Mines Co., Reed, 8;
Comstock mine, Toll, 1;

Cumberland mine, Reed, 6;
Durango Girl Gold Mining & Milling Co.,
Ritter, 7; Vanderberge, 1;
Durango Placer Gold Mining Co., Dantziger, 1;
Gold Nugget group, Reed, 1;
Jewel Mining Co., Root, Jr., 1;
Lady Elephant Consolidated Gold Mines Co.,
Ritter, 10; Maps, mines, La Plata County, 18;
La Plata Gold Mining Co., Hard, 1;
Lucky Discovery Mine Co., Reed, 4;
Lyon Milling & Mining Co., Reed, 3;
May Day Extension group, Reed, 5; Maps, mines, La Plata County, 9;
May Day mine, McCausland, 2;
May Rose mines, Caramouzis, 1;
Neglected mine, Emmans, W. H., 1; Evans, 1;
Omaha-Grant Smelting Co., C. S. B. M., 31;
Oro Fino group, Dennison, 1;
Oro Negro group, Aller, 2; Park, S. O., 1;
Tennessee-Black Diamond group, Becker, 1;
McCausland, 1;
Van Emmett Gold Mining Co., Burris, Jr., 1;
Chase, C. A., 1;
Wayt & Myers group, Reed, 2;
Western View mining group, Reed, 7.

petroleum: U. S. G. S., 4; Well Logs, petroleum and water, 1.
placer mines: Maps, mines, La Plata Co., 9.

La Plata Gold Lining Co.: Hard, 1.
La Plata Mountain: Maps, mines, La Plata County, 3, 7.
La Plata Mountains: Oliver and Dantziger, 1.
Larimer County, maps: see Part II of Catalogue.
mineral resources:
beryl, discovery of, Walker, T. H., 1;
Larimer County, mines:
Mine Records, C. S. B. M., 80;
Gold Coin Mining Syndicate, Marks, 2;
report on Copper District, Larimer County, C. S. B. M., 30.

petroleum:
pipe line from Wellington to Denver, Hellier, 1;
Wellington-Fort Collins field, Harrison and Horn, 1;
Wellington structure, Tegemann, 1;
Well Logs, petroleum and water, 1.

Las Animas County, maps: see Part II of Catalogue.
Las Animas County, mines:
Spanish Peak group, Carraway, 1.
non-metals:
granite outcrop east of Stonewall, Pirkle, 2;
oil in Basalt near Trinchera, Colo., U. S. G. S., 7.
Las Animas County, mines: - Continued.

petroleum:
Black Hills area, Gould, 1;
Fremont structure, Lupton, 2;
geology of an area near Walsenburg, Colo.,
Henley, 1;
Red Rock structure, Holloman, 2; south-
eastern Colorado possibilities, Hager, 1;
southwestern Las Animas County, geological
conditions, Pinkley, 1;
Wells Logs, petroleum and water, 1.
Last Chance placer: Maps, mines, Costilla
Co., 1; Summit Co., 50, 51.
Last Dollar: Maps, mines, Teller Co., 50.
Last Dollar & Enterprise mines; Maps, mines,
Summit County, 9.
Lathe placer: Maps, mines, Lake County, 9.
Laura & Daisy placers: Maps, mines, Lake Co., 10.
Lead, production by counties: Maps, mines,
Colorado; 1 Charts, mines, Colorado, 1.
Leadville-Alma mining district: Maps, mines,
Park County, 1.
Leadville land district: Maps, mines, Fremont
County, 1.
Leadville mining district: Maps, mines, Lake
County, 9; U. S. G. S., 13.
Leap Year placer: Maps, mines, Summit County,
36, 37.
Lodge Mining & Milling Co.: C. S. B. M., 49.
Le Donne mine: Maps, coal, Garfield Co., 2.
Legal Tender claim: Maps, mines, La Plata Co., 15.
Legal Tender claim: Maps, mines, Teller Co., 28.
Lexington group: Kellogg, 1.
Lillie placer: Maps, mines, Summit County, 3.
Lime Gulch and Hurricane: Maps, mines, Pitkin
County, 8.
Limestone: Maps, mines, Colorado, 1.
Lincoln County, petroleum:
geology and oil and gas prospects in part
of eastern Colorado, U. S. G. S., 3;
Fond Creek anticline, Rohrer, 1;
Walker Hill anticline, Osborne, 1;
Wells Logs, petroleum and water, 1.
Lincoln Mountain Mining & Smelting Co.:
C. S. B. M., 77.
Liquid hydrocarbon: U. S. G. S., 8.
Little Artist group: Maps, mines, Summit County,
49.
Little Chief: C. S. B. M., 12.
Little Ella claim: Milliken, 1.
Little Emma lode: Maps, mines, Teller Co., 12.
Little Florence claims: Maps, mines, Mesa Co., 3.
Little Joe placer: Maps, mines, Costilla Co., 1.
Little Johnny mine: Byron, 2.
Little Martha lode: Tulley, 1.
Little May Tunnel group; Consolidated Extension
Mines Company, 3.
Little Patsy Feldspar mine: Fair, 8.
Little Sallie Barber mine: Maps, mines, Summit
County, 11.
Liverpool placer: Maps, mines, Eagle County, 3.
Livingston Mining Co.: Penjovsky, 1; Byron, 5.
Lloyd group: Hoskin, 1.
Lode mining twenty year average: Maps, mines,
Colorado, 1.
Logan County, petroleum:
Wells Logs, petroleum and water, 1.
Logan group: Chase, Fair, and others, 1.
Logan Tract mining property: Milliken, 2.
Logs: Wells Logs, petroleum and water, 1.
Lombard tunnels: C. S. B. M., 14.
London Extension tunnel: Maps, mines, Park
County, 8.
London option: McNair, 1.
London placer: Maps, mines, Summit Co., 36.
Lone Pine properties: Vander Veer, 1.
Lone Wolf Mining Co.: Lone Wolf Mining Co., 1;
Maps, mines, San Juan Co., 2, 3, 4.
(Kittimacs).
Lost Day group: Bradas, 2.
Lost mines: Herald Democrat, 1.
Lotus group: Dutton, 1; Jennings, 1; Marks, 1.
Lotus oil well No. 1: Ernest, 1.
Louis D. placer: Maps, mines, Summit Co., 6, 26,
48.
Louise placer: Maps, mines, Park County, 3.
Louise placer: Maps, mines, Summit Co., 36, 37.
Lout group: Bradas, 1.
Lower South London tunnel: Maps, mines, Park
County, 4.
Low temperature tars: Greene, 1; Ionides, 1,
2; Laucks, 1.
Loyal Cold M. & M. Co.: C. S. B. M., 27.
Loyal group: Leahy, 1.
Lubricating oil: Ionides, 3; Laucks, 1.
Lucania Mines and Tunnel Co.: Dutton, 1;
Marks, 1.
Lucky Discovery Mine Co.: Reed, 4.
Lucky Gus mine: Maps, mines, Teller Co., 25.
Lucky Mine No. 1 to 3; Maps, mines, La Plata
County, 8.
Logan County - Continued.

Lucky Seven placers: Maps, mines, Costilla Co., 1.
Lusella lode: Maps, mines, La Plata Co., 22.
Luise Maria Baca Mining & Development Company:
Luise Maria Baca Mining & Development Co., 1.
Lux placers: Maps, mines, Pitkin County, 6, 10.

Maggie placer: Maps, mines, Fremont County, 1.
Maggie placer: Maps, mines, Summit Co., 34, 37.
Magnetic highs: Maps, petroleum, Adams Co., 2.
Magnetic separation: Schwarz, 3.
Magnette: Sharron, 1.
Magnette ore: Tongue, 2.
Magnolia placer: Maps, mines, Lake County, 9.
Majestic placer: Maps, mines, Park County, 2.
Major Gold Mining Co.: Ashbaugh, 3.
Major-Louther Gold Mining & Milling Co.:
C. S. B. M., 79.
Maloney workings: Maps, mines, Telluride Co., 32.
Maltzer placer: Maps, mines, Hinsdale Co., 1, 2, 7.
Mammoth mine: Holmes, W. I., Schooley, 1.
Mammoth placer: Maps, mines, Pitkin Co., 12.
Mancos Canon Gold, Inc.; Oliver and Dantziger, 1.
Mansfield placer: Maps, mines, Pitkin Co., 12.
Mansfield group: McClain, 1.
Maps, coal: see Part II of Catalogue, page 42 and 43.
Maps, geology: see Part II of Catalogue, page 61.
Maps, mines: see Part II of Catalogue, page 61.
Maps, petroleum: see Part II of Catalogue, pages 59 to 61.
All map references in this index are by subjects as given above, then by County and by map number in the County set.
Marble: Marks, 3; Nelson, A. P., 1; Prossel, 10; Tongue, 2.
Marten estate mine: Hill, 1.
Martin Mining & Power Co.; Maps, mines, San Juan County, 6.

Marvel camp, Montrose County: Charts, mines, Labor Costs, 2; Radium Co., of Colorado, 1, Mary Anderson lode: Maps, mines, Mineral County, 7.
Mascot placer: Maps, mines, Summit Co., 25.
Mascotte Gold Mining Co.; C. S. B. M., 38.
Mason Milling & Mining Co.; Reed, 3.
Mattie Consolidated Mines, Inc.: Knight, 1; W. W. Wilmore, et al., 1.
Mead S. claim: Deans, 1.
Maverick camp, Mesa County: Charts, mines, Labor Costs, 2; Radium Company of Colorado, 1.
May Belle group: United Gold Mines Co., 1, 2.
May B. mine: Maps, mines, Telluride Co., 47.
May Day Extension group: Reed, 5; Maps, mines, La Plata Co., 9.
May Day Gold Mining Co.: Maps, mines, La Plata County, 9.
May Day mine: McCausland, 2.
May Rose mines: Carazousis, 1.
McAllister mine: Knight, 2; Maps, mines, Gilpin County, 14, 15.
McCallum anticline: Winchester, 1.
McClelland tunnel: Church, 1.
McDill placer, Maps, mines, Summit Co., 39.
Meadow placer: Maps, mines, Summit Co., 18.
Melvina property: Schwarz, 17.
Mermaid group: Massey, 1.
Mesa County, maps: see Part II of Catalogue.
Mesa County, mineral resources:
mineral resources of Mesa County, Beckstrom, J. F., 1.

Mesa County, mines: Mine Records, C. S. B. M., 38; mining report by Production Manager, Radium Company of Colorado, 1.
petroleum:
Colorado will be Mecca for the oil, Parsons, 1;
commercial possibilities of Oil Shale Industry, Russell, 1;
Divide Creek anticline, Perini, Jr. and Lavington, 1;
Garmesa gas field, Enrich, 1; oil shale and its possibilities, Savage, 1;
Well logs, petroleum and water, 1.
power sites: U. S. G. S., 29; uranium and vanadium: Maps, mines, Colorado, 1.
Metals, production by Counties: Charts, mines, Colorado, 1; Maps, mines, Colorado, 1.
Mexican Creek anticline: Maps, petroleum, Jackson County, 1.
Meyer placer: Maps, mines, Lake County, 9.
Midland placer: Maps, coal, Garfield Co., 5.
Midnight Mining Co. Maps, mines, Pitkin County, 10.
Midwest Oil Co.: Maps, petroleum, Rio Blanco County, 2.
Midwest Refining Co.: Maps, petroleum, Montrose County, 1.
Mike placer: Maps, mines, Lake County, 9.
Miller placer: Maps, mines, Summit Co., 25.
Milling: see Reduction & Milling.
Mill, concentrating: Iron Silver Mining Co., 2.
Mine maps: Maps, mines, (County), Part II of Catalogue.
Mineral Chief mine: Maxwell, 1; McPadden, G. B., and McPadden, C. D., 1.
Mineral County, maps: see Part II of Catalogue.
Mineral County, mines:
Coeptive Inca Mining Co., Schwarz, 10.
Creede Flat vein, Hills, 1.
Creede Mines, Inc., Clark, 2.
Del Monte Mining & Milling Co., 1, 2.
United Mines Co., C. S. B. M., 32.
places: Maps, mines Mineral County, 3, 5.
Mineral Holdings Co.: Ashbaugh, 1.
Mineral land, acres patented: Charts, mines, Colorado, 1; Maps, mines, Colorado, 1.
Mineral Resources, other than coal, petroleum and the more common minerals, Colorado:
Colorado, the treasure chest of the nation, Treasure Chest Association, 1;
natural gas in Colorado, Winchester, 1;
oil and gas resources of Colorado, Colorado State Planning Board, 1;
proposed F. W. A. project: geological investigation of the mineral resources of Colorado, Winchester, 7;
rare minerals found in Colorado, Burger, 3.

Boulder County:
available ores in the Front Range counties, Colorado State Mining Association, 1;
titanium ores in Colorado, Sharron, 1;
uranium and tungsten ores in Boulder, Montrose and San Juan counties, C. S. B. M., 6.

Chaffee County:
American Fluorspar Corporation, properties of, Ritter, 1;
travertine, Colorado Travertine Co., 1;
Haynes, 1; Park, A. S., 1.

Clear Creek County:
available ores in the Front Range counties, Colorado State Mining Association, 1.
Custer County:
general information concerning the vermiculite properties in Fremont and Custer counties, Sharer, 1.

El Paso County:
classical data concerning well known mineral waters, Fisher, 1;
mineral springs, Brown, F. E., 1;
natural gas at Manitou, Colorado, Strieby, 1.

Fremont County:
Canon City embayment, Kessler, 1;
feldspar properties in the Canon City and South Platte areas, Western Feldspar Milling Company, 1;
Fremont feldspar, chemical analysis, Anonymous, 2;
titanium ores in Colorado, Sharron, 1;
U. S. Marble Co., report on, Marks, 3;
vermiculite property in Fremont County, Martine, 4;
vermiculite properties in Fremont and Custer counties, Sharer, 1.

Garfield County:
Garfield Vanadium Corporation, holdings of, Garfield Vanadium Corporation, 1;
oil shale industry, commercial possibilities of, Russell, 4;
S. O. S. group, geological report on, Winchester, 6.

Gilpin County:
available ores in the Front Range counties, Colorado State Mining Association, 1.

Grand County:
asphalt deposits of Middle Park, C. S. B. M., 23;Gilpin County:

gas in the Middle Park, U. S. G. S. 12.
Gunnison County:
liquid hydrocarbon from Ohio Creek coal mine, U. S. G. S., 3;
metals and minerals of Gunnison County, Nelson, A. P., 2;
mining districts, producing mines and prospective properties, Nelson, A. P., 1;
mining in Gunnison County, Pearson, 1;
opportunities on the Western Slope, Prommel, 10;
natural resources of Gunnison County, Tongue, 2;
titanium ores in Colorado, Sharron, 1;
tungsten and molybdenum districts of Gunnison County, News Champion, 1.
Jefferson County:
minerals of Jefferson County, Bancroft, 1;
Oregon and Little Patsy feldspar mines, Fair, 8.
Lake County:
mining in the Leadville district of Colorado, McDonald, 1;
La Plata County:
prospects for oil and gas in and near the Barker Creek Dome, U. S. G. S., 4.
larimer County:
discovery of Beryl, Walker, T. H., 1.
Las Animas County:
geological report on granite outcrop, Pinkley, 2.
Lincoln County:
geology and oil and gas prospects in part of eastern Colorado, U. S. G. S., 3.
Mesa County:
mineral resources of Mesa County, Beckstrom, J. F., 1;
mining report by Production Manager, Radium Company of Colorado, 1;
oil shale and its possibilities, Savage, 1;
oil shale industry, commercial possibilities of, Russell, 1.
Moffat County:
prospects for oil or gas in the Slater Dome, U. S. G. S., 6.
Montrose County:
mining report by Production Manager, Radium Company of Colorado, 1;
uranium and tungsten ores in Boulder, Montrose and San Juan counties, C. S. E. M., 6.
Morgan County:
fuller's earth deposit, Stoneham, Colorado, McClave, 1.
Rio Blanco County:
mineral resources of Rio Blanco County, Hildai, 1;
San Juan County:
uranium and tungsten ores in Boulder, Montrose and San Juan Counties, C. S. E. M., 6.
San Miguel County:
mining report by Production Manager, Radium Company of Colorado, 1.
Summit County:
available ores in the Front Range counties, Colorado State Mining Association, 1;
geographic relations: Tenmile District, Rumors, S. F., 1;
mineral deposits at Kokomo, Danely, 1.
Weld County:
oil and gas in northeastern Colorado, U. S. G. S., 2.
Yuma County:
Wray gas field, Prommel, 4.
Minerals:
Carr City embayment, Kessler, 1;
distribution chart, Winchester, 7;
Maps, mines, Colorado, 1;
metals and minerals of Gunnison County, Nelson, A. P., 2;
minerals of Jefferson County, Bancroft, 1;
natural resources of Gunnison County, Tongue, 2;
rare minerals found in Colorado, Burger, 3.
Mineral springs: Brown, F. E., 1.
Mineral waters: Brown, F. E., 1; Fisher, C. A., 1; Strieby, 1.
Mine records: C. S. E. M., 30.
Mines, Charts: see Part II of Catalogue, page 42.
Mines, Maps, classified by counties: see Part II of Catalogue, pages 43 to 59.
Mines, Reports: see Part I of Catalogue.
Mining districts, Colorado: Charts, mines, 1;
Maps, mines, Colorado, 1.
Mining districts, Eagle County: Maps, mines, Eagle County, 4.
Mining districts, Gilpin County: Gilpin County Chamber of Commerce, 1; Maps, mines, Gilpin County, 5.
Mining districts, Gunnison County: Nelson, A. P., 1.
Mining districts, Pitkin County: Maps, mines, Pitkin County, 1.
Minnie group: Bradish, 2.
Minnie placer, Maps, mines, Costilla County, 1.
Minnie Gulch mine: Walter, 1.
Missouri placer: Maps, mines, Teller County, 17.
Minerals - Continued:
Moccasin claim: Maps, mines, Teller Co., 50.

Moffat County, maps: see Part II of Catalogue.
Moffat County, coal:
- coal resources in Moffat County, U. S. G. S., 15;
- world's largest coal mine, Ute Coal Co., 1;
- Yampa coal field, U. S. G. S., 16.

Moffat County, mines:
- Timberlake or Fourmile placer district, Marks, 4.

Moffat County, petroleum:
- oil in Moffat County, U. S. G. S., 18;
- oil or gas in the Slater Cone, U. S. G. S., 6;
- Skull Creek well log, Crapo, 1;
- Skull Creek structure, Winchester, 4, 5;
- Well logs, petroleum and water, 1.


Moffat tunnel: U. S. G. S., 16.


Molybdenum: Burger, 3; Holmes, W. I., 16;
- News Champion, 1; Shaw, 1; Maps, mines, Colorado, 1.

Molybdenum mining property No. 1: Holmes, W. I., 16.


Monito mine: Brown, T. A., 1.

Monitor group: Byron, 4.

Monocentral lode: Maps, mines, Gunnison Co., 8.

Montan Schwarz, 33.

Monster group: Bradish, 3.

Montag placer: Maps, mines, Park Co., 2.

Montezuma anticline: Maps, petroleum, Dolores County, 1.

Montezuma County, mines:
- Mine Records, C. S. B. M., 10;
- Marcos Canan Gold, Inc., claims, Oliver and Dantzig, 1;
- Marcos Consolidated Gold Mines and Development Co., C. S. B. M., 33;

petroleum: Well Logs, petroleum and water, 1.


Montrose County, maps: see Part II of Catalogue.


Montrose County, mines:
- Mine Records, C. S. B. M., 2;
- mining report by Production Manager, Radium Company of Colorado, 1;

Montrose County, mines: - Continued.
- uranium and tungsten ores in Boulder.
- Montrose and San Juan counties, C. S. B. M., 6.
- petroleum
- Paradox Valley and surrounding territory.
- Brown, F. F., 1;
- Well Logs, petroleum and water, 1.

power sites: Dolores River, U. S. G. S., 29;


Moon Anchor mine: Maps, mines, Teller Co., 16.

Moon Anchor shaft: Maps, mines, Teller Co., 35.

Moose mine group: Miller, W. J. H., 1.

Moran mine: Tulley, 1.

Morgan County, mineral resources:
- fullor's earth, McClave, 1.
- petroleum
- Greasewood Dome inspection trip, Barbour, 1;
- sandstone in northeastern Colorado
- that may yield oil, U. S. G. S., 1;
- Well Logs, petroleum and water, 1.

Morningside and other claims: Wheeler, 1.

Morning Star-Creskill property: Ritter, 6.

Morning Star mine: Schwarz, 16.

Morning Star property: Ritter, 6.

Morocco Mining Co.: Schwarz, 26.

Mosquito Gold Mining Co.: Maps, mines, Park Co., 3.

Mosquito mining district: Maps, mines, Park County, 3.

M.O. Thatcher placer: Maps, mines, Curey Co., 2.

Mother of Gold lode claim: Holmes, W. I., 1.


Mountain Pride mine: Maps, mines, Summit Co., 52.

Mount Rosa Mining, Killing & Land Co.: C. S. B. M., 75.

Mount Yale placer: Maps, mines, Lake County, 9.

Moyer mine: Iron Silver Mining Co., 1.

Maps, mines, Lake County, 7.

Moyer placer: Maps, mines, Lake County, 9.

Moyer shaft: Iron Silver Mining Co., 3.

Mumford placer mine: Schwarz, 12.


Mystery placer: Maps, mines, Eagle Co., 3.

N


Napervilla tunnel: Maps, mines, Summit Co., 5.

Natural gas: Colorado State Planning Board, 1.

Emrich, 1; Harrison and Horn, 1; Horn, C. R., 1;

Horn, R. C., 1; Lakes, 1, 2; Meeker Herald, 1;

Fremont, 4; Strieby, 1; Taff, 1; Wegemann, 1;

White River Oil Co., 1; Winchester, 1.

Natural gasoline: Colorado State Planning Board, 1.
N - Continued.


Needle Mountain mining district: Maps, mines, La Plata County, 1.

Neglected mines: Emmens, W. H., 1; Evans, 1; Maps, mines, La Plata County, 15.

Nellie Lane placer: Maps, mines, Clear Creek County, 13.

Nellie placer: Maps, mines, Summit County, 34, 37.

Netted Gem group: Carroll, 1.


New Era group: Maps, mines, Clear Creek Co., 7.

New England placer: Maps, mines, Summit County, 34, 37.


New Marien Consolidated Mining Co.: Iron Silver Mining Co., 1.

Newmarket vein system: Maps, mines, Teller County, 43.

Newport-Providence group: Maps, mines, Gilpin County, 4.


New York and Chance Mining Co.: Del Monte Mining and Milling Co., 1, 2.


New York placer: Maps, mines, Lake Co., 10; Summit County, 13.

Nickel Plate mine: Brown, T. A., 1.


Niobium: Burger, 3.

Nisi Prius Consolidated Mining Co.: Iron Silver Mining Co., 1.

Ni Wot Mining Co. (Big Five): C. S. B. M., 4.

No Name lode: George and Fair, 1, 2.

Non-metals: See Mineral Resources, other than coal, petroleum and the more common minerals.

North American Mining Co.: Sanderson, 1.

North Amethyst Mining Co.: Maps, mines, Mineral County, 16.

North Blue Creek group, Mesa County: Charts, mines, Index Costs, 2; Paddon Company of Colorado, 1.

North Park and Vandalia Mining & Smelting Company: Janks, 1.

North Pole group: Ritter, 4.

North Star; C. S. B. M., 33.

North Star placer: Maps, mines, Teller Co. 34.

Nuggetville placer: Maps, mines, Summit County, 21.

Null placer: Maps, mines, Gilpin County, 3.

O

Ocean Wave lode: Rosenberg, T., 2.

Oh Be Joyful placer: Maps, mines, Teller Co., 34.

Ohio Creek coal mine: U. S. G. S., 8.

Ohio placer: Maps, mines, Summit Co., 23.

Oil and gas resources of Colorado: Colorado State Planning Board, 1.

Oil in northwestern Colorado: Horn, C. R., 1.

Oil refining: McClave, 1.

Oil shale: see Shale (Oil).

Old Bullion No. 2 placer: Maps, mines, Lake County, 9.

Old England property: Williams, 1.

Old Kentucky group: Beeler, 3.

Old Kentucky Mining Company's properties: Parish, F. C., 2.

Oliver Reduction Co., Silverton mining district: C. S. B. M., 45.

Oliver, F. H., State lease: Hall, 1.

Ollie placer: Maps, mines, Teller Co., 34.

Ollie Reed claim: Maps, mines, Lake Co., 8.


Olson placer: Maps, mines, Lake Co., 9.

Omaha-Grant Smelting Co.: C. S. B. M., 31.

O'Neill mine: Maps, mines, Gilpin Co., 16.

Omyx: Beckstrom, J. F., 1.


Ophir lode claims: Martine, 2.


Oregon feldspar mine: Fair, 8.

Oro Fino group: Dennison, 1; Maps, mines, La Plata County, 15.

Oro Negro group: Aller, 2; Park, S. O., 1.


Orphan Boy Consolidated Mining Co.: Schwarz, 2.

Orphan Boy Hill Consolidated Mining Co.: Maps, mines, Park County, 3.


Osborn et al. placer: Maps, mines, Clear Creek County, 1.

Otero County, maps, geology: see Part II of Catalogue.

petroleum: southeastern Colorado possibilities, Hager, 1.

Tipton dome, Holman, 1;

Well Logs, petroleum and water, 1.
Oroplacer: Maps, mines, Costilla Co., 1.
Ottawa group: Colpitt, Funk and Kenisky, 1.
Ouray County, maps: see Part II of Catalogue.

Ouray County, mines:

- Maps, mines, Costilla Co., 1.
- Colpitt, Funk and Kenisky, 1.
- Lloyd group, Ontario, 1.
- Michael Breen group, Weatherly, 1.
- St. Lawrence et al., claims, Massey, 3.
- Silverton quadrangle, C. S. B. M., 34; statement concerning the following groups of claims in the Red Mountain mining district:
- Belle of the West group,
- Guadalupe group,
- Kentucky Giant mine,
- Last Day group,
- Minnie group, Bradish, 2.
- statement concerning the following groups of claims in the Sneffels mining district:
- Altona group,
- Ethan Allen group,
- Highland Chief group,
- Horner group,
- Pilot mine,
- Torpedo-Eclipse group,
- Yellowstone & Circassian claims of the Trust-Tuffy Co.,
- Yankee Boy group,
- Yellow Rose group, Bradish, 3, 4.
- statement concerning the following groups of claims in the Uncompahgre mining district:
- Happy Jack group,
- Kentucky claim,
- Paintow group,
- Speedwell group,
- Trout-Fisherman group,
- Vida group (Paquin mining district),
- Weehawken Basin, Big Horn group,
- Angel group, Japan-Belman group,
- Wyoming group, Bradish, 5, 6;
- Sunday mine, Mahoney, 1;
- Uncompahgre placer, Miller, T. R., 1; placer; maps, mines, Ouray County, 1, 2.
- Ouray placer: Maps, mines, Ouray Co., 2.
- Outlaw group, Mesa County: Charts, mines.

Ouray placer: Maps, mines, Costilla Co., 1.

Pandora group: Fair, 2.

Pandora Metals, Inc.: Fair, 2, 3.

Paradox anticline: Brown, P. F., 1.

Paradox Valley: Brown, P. F., 1; Maps, petroleum, Montrose County, 1.


Park City: Maps, mines, Park County, 3.

Park County, maps: see Part II of Catalogue.

Park County, mines:

- Colorado Copper Co., Copper Co., 1.
- Criterion property, Ashbaugh, 7; Martine, 10.
- Hilda Mining Co., Schwarz, 11.
- Iron properties of Samuel Cohen on Silverheels mountain, Schwarz, 30.
- London Option and the conflict with the London and American mines, McNeil, 1.
- Moose Mine estate, Miller, W. J., H., 1.
- Morning Star-Craskill mining property, Ritter, 6.
- Orphan Bay Consolidated Mining Co., Schwarz, 2.
- Platte River placers, Marks, 5.
- Rock Hocking mine, Schneider, 1.
- Sacramento Gulch, property consisting of forty mining claims, Schwarz, 31.
- Sacramento Mining Co., Duncan, C. W., 1.
- S. S. group, Schwarz, 23.
- Stocker claims, Dwinell, 1.
- Vanadium-uranium property in Hay Madow district, Ashbaugh, 9.
- Weber property, Ashbaugh, 9.
- Wyandotte Apex Mining Co., McFadden, Lyn., 1.
- petroleum: Well Logs, petroleum and water, 1.

Park placer: Maps, mines, Hinsdale Co., 1.

Park placer: Maps, mines, Ouray Co., 2.

Parker placer: Maps, mines, Clear Creek County, 13, 15.


Passiflora Mining & Milling Co.: Bradley, 1.

Vidler, L. W., 1.

Pass Me By Neglected & Lonesome Fine claims: Benjovsky, 2.

Patterson Well No. 1: Barbour, 1; Promel, 2.

Pawnee anticline: Barbour, 1; U. S. G. S., 1, 2.

Pay Day placer: Maps, mines, Hinsdale County, 1.
Paymaster group: Homes, 1.
Pay Rock group: Maps, mines, Clear Creek Co., 11.
Peabody placer mine: Schwarz, 12.
Pease placer: Maps, mines, Lake Co., 3.
Peerless Clay & Mineral Co.: Maps, mines, Mineral County, 15.
Peafite: Bancroft, 1.
Pennsylvania Mining, Power and Reduction Co.: Dutton, 1; Jennings, 1; Marks, 1;
Pennsylvania Mining, Power & Reduction Company, 1; Sadtler, 1.
Peoples Oil & Gas Co.: Maps, petroleum, Saguache County, 1.
Period lode: Broadman, 1.
Perseverance group: Carnahan, 1.
Peter placer: Maps, mines, Ouray Co., 2.
Peter Sweeney group: Purdy, 1.
Petroleum, Charts: see Part II of Catalogue, page 42.

Petroleum, Colorado:
natural gas in Colorado, northern New Mexico and Utah, Winchester, 1;
oil and gas resources of Colorado;
Colorado State Planning Board, 1;
opportunities on the Western Slope, Prommel, 10;
Possibility of finding oil in southeastern Utah and southwestern Colorado, U. S. G. S., 19;
sufficient discovery to support the claim of an oil shale locator, hearings before the Secretary of the Interior, U. S. G. S., 35;
Well Logs, petroleum and water, 1.
Adams County:
Derby structure, Lupton, 1;
drilling wells near Denver, U. S. G. S., 5;
Watkins-Bennett anticline, McCain, 1.
Bent County:
southeastern Colorado possibilities, Hager, 1.
Cheyenne County:
vicinity of Kit Carson, Prommel, 3.
Crowley County:
Pond Creek anticline, Rohwer, 1;
Walker Hill anticline, Osborne, 1.
Fremont County:
Brush Hollow anticline, Winchester, 2;
Florence oil field, Boyd, 1.

Garfield County:
commercial possibilities of oil shale industry, Russell, 1;
Divide Creek anticline, Perini, Jr., and Lavington, 1;
Garmesa gas field, Enrich, 1;
Harvey Gap structure, Winchester, 3;
S. O. S. group of oil shale claims, Winchester, 6;
Ute Rock, Hope and Federal Annex groups, Rosenberg, K. D., 1.

Huerfano County:
area near Walsenburg, Henley, 1;
Bayto-Alamo region, Prommel, 6;
Escondido anticline, Prommel, 1.
La Plata County:
Mink Creek dome, U. S. G. S., 4;
Larimer County:
pipe line from Wellington to Denver, Hellier, 1;
Wellington-Fort Collins field, Harrison and Horn, 1;
Wellington structure, Wegemann, 1.

Las Animas County:
area near Walsenburg, Henley, 1;
Black Hills area, Gould, 1;
Branson structure, Lupton, 2;
oil in Basalt near Trinchera, U. S. G. S., 7;
Red Rock structure, Haloman, 2;
southeastern Colorado possibilities, Hager, 1;
southern Las Animas County, Pinkley, 1.

Lincoln County:
western Colorado, U. S. G. S., 3;
oil and gas prospects in part of eastern Colorado, U. S. G. S., 3;
Pond Creek anticline, Rohwer, 1;
Walker Hill anticline, Osborne, 1.

Mesa County:
Divide Creek anticline, Perini, Jr., and Lavington, 1;
Garmesa gas field, Enrich, 1;
oil shale and its possibilities, Savage, 1;
oil shale industry, commercial possibilities of, Russell, 1.

Moffat County:
oil in Moffat County, U. S. G. S., 19;
Skull Creek structure, Winchester, 4, 5;
Skull Creek well log, Crapo, 1;
Slater dome, U. S. G. S., 6.

Montrose County:
Paradox Valley and surrounding territory, Brown, P. F., 1.

Morgan County:
government geologists estimate depth of sandstone in northeastern Colorado that may yield oil, U. S. G. S., 1;
Morgan County - Continued.
Greasewood Dome inspection trip.
Parbour, 1.
Otero County:
Timpa dome, Holloman, 1;
southeastern Colorado possibilities, Hager, 1.
Prowers County:
Lotus oil well No. 1, Ernest, 1.
Pueblo County:
area near Walsenburg, Henley, 1;
Hidden dome, Prommel, 5;
Pueblo County oil fields, Keen, 1;
Rock Canon anticline, Lowrie, Jr., 1;
San Carlos anticline, Prommel, 1.
Río Blanco County:
Douglas Creek structure, McLeod, J. D., 1;
fuel resources of Colorado, Lakes, 2;
gasoline from natural gas on the
White River do., Wecker Herald, 1;
natural gas in Colorado, Lakes, 1;
oil in northwestern Colorado, Horn, C. R., 1;
White River dome, Erich, 2; Taff, 1;
Whitney, 1; Ziegler, 1;
White River gas and oil, Horn, R. C., 1;
White River Oil Company, well No. 3,
White River Oil Company, 1.
Routt County:
condition of oil prospecting in the
Routt County field, 1901, C. S. B. M., 43;
P. H. Oliver State lease, Tow Creek field,
Hall, 1.
San Miguel County:
Paradox Valley and surrounding territory,
Brown, P. F., 1.
Weld County:
government geologists estimate depth
of sandstone in northeastern Colorado
that may yield oil, U. S. G. S., 1;
Greasewood Dome inspection trip,
Parbour, 1;
oil and gas in northeastern Colorado,
U. S. G. S., 2;
Ray Patterson well, Prommel, 2;
Roggen anticline, Fanning and Smith, G. A. L.,
Yuma County:
Wray dome, Harrison, 1;
Wray gas field, Prommel, 4.
Petroleum, production tables: Colorado
State Planning Board, 1.
Petroleum, refining plants: Colorado State
Planning Board, 1.
Petroleum Information, Inc.: Charts,
petroleum, 1.

Pewabic Consolidated Gold Mines, Co.:  
C. S. B. M., 22; maps, mines, Clear Creek
County, 3.
Pewabic Mountain area: maps, mines, Clear Creek
County, 3.
Pharmacist Mining Co.: C. S. B. M., 67.
Phillips Mining Co.:  
Well logs, petroleum and water, 1.
Phoenix placer: Maps, mines, Mineral County, 3.
P. H. Oliver state lease; Ball, 1.
Piceance anticline; Horn, C. R., 1; Winchester, 1;
Maps, petroleum Rio Blanco Co., 2.
Pickel placer: Maps, mines, Boulder County, 7.
Pikes Peak placer: Maps, mines, Teller County, 34.
Pilgrim Gold Mining & Milling Co.: Maps, mines,
Lake County, 15.
Pilot mine: Bradish, 4.
Pinnacle group: United Gold Mines Co., 1,2.
Pioneer Extension, Ben Harrison and John Russel
groups; Holmes, W. J., 10.
Pipe lines; Huller, 1.
Physic placer: Maps, mines, Teller County, 34.
Pitkin County, maps: see Part II of Catalogue.
Pitkin County, mines:
Mine Records, C. S. B. M., 80;
Aspen's silver mines, Pehlfing, 1;
Independence gold property, Pehlfing, 2;
Loyal group, Leahy, 1;
Single Jack group, Shaw, 1;
Smuggler concentrator, Aspen, Colorado,
C. S. B. M.; 40;
Tom O' Shanter-Iontezuma mines, Weston, 1.
placers: Maps, mines, Pitkin County, 2, 6,
10, 12.
tunnel sites; U. S. G. S., 30.
placer lands, Determination of gold values in:
C. S. B. M., 1.
placers: Bancroft, 1; Calloway, 1; C. S. B. M., 1;
Clark, 1; Croser, 1; Dantzi ger, 1; Fair, 4;
Gold Pit Placer Co., 1; Holmes, W. J., 7, 18;
Marks, 4, 5; McCauley, 1; Miller, T. H., 1;
Pearson, 1; Schwarz, 12.
placers, maps, mines: Boulder County, 7, 10;
Clear Creek Co., 1, 2, 7, 8, 12, 13, 15;
Costilla Co., 1; Eagle Co., 3, 4, 5;
Fremont Co., 1; Gilpin Co., 3, 19, 21;
Gunnison Co., 4;
Hinsdale Co., 1, 2, 7; Lake Co., 1, 5, 9, 10,
13, 14; La Plata Co., 9; Mineral Co., 3, 5;
Ourey Co., 1, 2; Park Co., 2, 3, 4, 5, 7, 10;
Pitkin Co., 2, 6, 10, 12;
Placer, maps, mines: Continued.

Summit Co., 3, 6, 9, 10, 11, 14, 15, 17, 18, 21, 22, 23, 25, 26, 28, 30, 32, 34, 35, 36, 37, 39, 40, 45, 47, 48, 50, 51;
Teller County, 11, 34.

Plain View placer: Maps, mines, Costilla Co., 1.
Platte River placers: Maps, 5.
Platte Valley Petroleum Corporation: Frommel, 2.

Pleasant mine: Ritter, 2.
Polar & Rocky Point group: C. S. B. M., 19.
Polar Star mill: Holland, 1.
Pole Mountain anticline: Maps, petroleum, Jackson County, 1.

Fork Creek anticline: Rohwer, 1.

Poorman mine: Maps, mines, Teller County, 20.
Porphyry Mountain Gold Mines Co.: Maps, mines, Pitkin County, 4.
Portland Gold Mining Co.: C. S. B. M., 70, 71, 72, 73; Maps, mines, Teller Co., 46.
Portland mine: Maps, mines, Teller Co., 44.
Potash: Frommel, 10.

Power pipe lines, Garfield County: Rosenberg, T., 1.

Power sites, Colorado: U. S. G. S., 21, 22, 23.


Eagle County: U. S. G. S., 24.


Garfield County: U. S. G. S., 30.


Gunnison County: U. S. G. S., 25.


Lake County: U. S. G. S., 26.


Mesa County: U. S. G. S., 29.


Moffat County: U. S. G. S., 27.


Montrose County: U. S. G. S., 28, 29.


Pitkin County: U. S. G. S., 30.


Powers mine: Schwarz, 22.
Prelsey Jones et al. placer: Maps, mines, Clear Creek County, 15.


Pride of Cripple Creek claim: Maps, mines, Teller County, 7, 6, 9.


Pride of the West lode: Anonymous, 8.


Pride of the West placer: Maps, mines, Pitkin County, 2.


Prince of Wales lode: Holmes, W. I., 4.


Production tables, petroleum: Colorado State Planning Board, 1.


Prosopis & Cumberland lode: Iron Silver Mining Company, 1.


Prospect basin: C. S. B. M., 48.


Protection placer: Maps, mines, Boulder County, 10.


Powers County, petroleum:
Lotus oil well No. 1, Ernest, 1;
Well Logs, petroleum and water, 1.


Frassian Gold Mining Company: Parish, F. G., 11.


Pueblo Belle mine: Belser, 1.


Pueblo County, maps: see Part II of Catalogue.


Pueblo County, Apishapa region: U. S. G. S., 32.


petroleum:
goalogy of an area near Walsenburg, Henley, 1;
Hidden Dome, Frommel, 3;


X-tile County oil-field, Keen, 1;


Rack-Carson anticline: Lowris, Jr., 1;
San Carlos anticline, Frommel, 1;
Well Logs, petroleum and water, 1.


Pueblo County oil fields, Keen, 1.


Q

Quarries, marble: Marks, 3; Nelson, A. F., 1;


Frommel, 10.


Quartz, bull: Barcroft, 1.


Queen Bee placer: Maps, mines, Gilpin Co., 21.


Queen of the West group: Vidler, Reese, 1.


R

Radium: Place, 1; Radium Company of Colorado, 1.


Radium Company of Colorado: Charts, mines, Labor Costs, 2; Radium Company of Colorado, 1.


Radium Cycle camp, Montrose County: Charts, mines, Labor Costs, 2; Radium Company of Colorado, 1.


Railroad Bay group: Shuman, 1.


Rainbow group: Bradish, 5.


Ralph placer: Maps, mines, Teller Co., 34.


Randle placer: Maps, mines, Lake Co., 3.


Rankin placer: Maps, mines, Summit County, 48.


Rapid Creek Mining Tunnel & Power Company: Maps, coal, Gunnison County, 1.


Rara Avis mine: Dutton, 1; Marks, 1.


Rare metals: Maps, mines, Colorado, 1.


Rare minerals: Purger, 3; C. S. B. M., 6;
Fair, 7; see also Minerals.


Red Arrow gold discovery: U. S. G. S., 44.


Red Bird No. 1: Maps, mines, La Plata County, 8.


Red Canyon camp, Montrose County: Charts, mines, Labor Costs, 2; Radium Company of Colorado, 1.
Red Cloud claim; C. S. B. M., 51.
Red Elephant Mountain group: Webster, Jr., 1
Redlands: Maps, petroleum, Mesa Co., 3.
Red Mesa dome; U. S. G. S., 4.
Red Mountain mining district holdings:
   Walker, S. M., 1.
Red Mountain placer: Maps, mines, Ouray County, 2.
Red Rock claim: Millikin, 1.
Red Rock structure: Halseman, 2.
Reduction: Brace, 1; Schwartz, 3.
Reduction and milling: Bohjovsky, 3.
   Colorado State Mining Association, 1.
Red Wing claim: Maps, mines, Summit Co., 32.
Red Wing placer: Maps, petroleum: Colorado State
   Mining Board, 1.
Red Wing placer: Maps, petroleum: Colorado State
   Mining Board, 1.
Reiter-Foster Oil Corporation: Maps, petroleum,
   Adams County, 2.
Reliance Gold Dredging Company: Maps, mines,
   Summit County, 48.
Republic adit: Maps, mines, La Plata County, 6.
Republic claim: Tripp, 1.
Requa group: United Gold Mines Co., 1, 2.
Rosen placer: Maps, mines, Clear Creek Co., 1.
Rock Developing Company: Massey, 2.
Rhodium: Burger, 3.
Ridgeway group: Van Diest, E. C., 1.
Rio Blanco County, maps: see Part II of
   Catalogue.
Rio Blanco County, mineral resources:
   Allison, 1.
   petroleum:
   analysis of natural gas Grand Junction,
   Colo., Well No. 1, White River Oil Co., 1;
   fuel resources of Colorado, lakes, 2;
   gasoline from natural gas on the White
   River Dome, Meeker Herald, 1;
   geological report on White River Dome,
   Enrich, 2;
   natural gas in Colorado, lakes, 1;
   oil and gas possibilities of the
   Douglas Creek structure, McLeod, J. D., 1;
   oil character of lands in the region of
   the White River dome, Taff, 1;
   oil in northwestern Colorado, Horn, C. R., 1;
   oil possibilities of the White River dome,
   Ziegler, 1;
   Well Logs, petroleum and water, 1;
   White River gas and oil, Horn, R. C., 1;
   White River oil dome, Whitney, 1;
   Rio Grand County, mines:
   Rito Seco mining property: Ritter, 2.
   Riverside placer: Maps, mines, Pitkin County,
   6, 10, 12.
   River-side placers, 1-6: Maps, mines, Mineral
   County, 5.
   R. M. F. Co.: Maps, coal, Fremont, Co., 1.
   Robinson placer: Maps, mines, Lake County, 9.
   Robinson placer: Maps, mines, Summit Co., 18.
   Rock Creek camp, Montrose County: Charts, mines,
   Labor Costs, 2; Radium Company of Colorado, 1.
   Rock Canon anticline: Lowrie, Jr., 1.
   Rock Filling mine: Schneider, 1.
   Rock salt: Fremel, 10.
   Rocky Mountain Coal & Iron Co.: Maps, coal,
   Huerfano County, 4.
   Rocky Mountain Fuel Co.: Maps, Coal, Garfield
   County, 5.
   Roderick Dhu Gold Mining Co.: Maps, mines,
   Gilpin County, 25.
   Rocken anticline: Fanning and Smith, C. A. L., 1.
   Rollins placer: Maps, mines, Gilpin County, 3.
   Rollins placer: Maps, mines, Park County, 3.
   Roman placer: Maps, mines, Teller County, 31.
   Roosevelt placer: Maps, mines, Park County, 2.
   Rosabury miner: Byron, 3.
   Rose Bud placer: Maps, mines, Teller County, 34.
   Rose placer: Maps, mines, Lake County, 3, 10.
   Ross anticline: Maps, petroleum, Jackson Co., 1.
   Routt County, coal:
   Yampa coal field, U. S. G. S., 10, 11, 16, 17.
   Routt County, mines:
   Hahn's Peak district, C. S. B. M., 41, 42.
   petroleum:
   P. H. Johnstone state lease, Tow Creek field,
   Ball, 2;
   present condition of oil prospecting
   in the Routt County field, 1901,
   C. S. B. M., 43;
   Well Logs, petroleum and water, 1.
   Ruby placer: Maps, mines, Teller County, 50.
   Ruby King lode: Maps, mines, Lake County, 7.
   Ruby mining properties: Ashbaugh, 6.
   Ruby placer: Maps, mines, Ouray County, 2.
Russell Gulch Mining Co.: Maps, Mines, Gilpin County, 7, 8, 9, 10.
Russell Gulch placer: Maps, mines, Costilla County, 1.
Ruth placer: Maps, mines, Park County, 3.

Sac and Fox lode: Schwarz, 15.
Sacramento mine: Pearson, 1.
Sacramento Mining Co.: D----, C. W., 1.
Saguache County, maps: see Part II of Catalogue.

Saguache County, mines:
Mine Records, C. S. B. M., 20;
Fonanza mining district, U. S. G. S., 34;
Denver City property, Schwarz, 32;
Luis Maria Baca Mining and Development Co.; Luis Maria Baca M. and D. Co., 1;
Sky City property, Neugebauer, 1.

petroleum:
W ell Logs, petroleum and water, 1.
St. Cloud lode: Schwarz, 34.
St. Kevin mining district: Maps, mines, Lake County, 12.
St. Lawrence claim: Massey, 3.
Salina, Colorado: maps, mines, Boulder County, 7.
Sallie Barber mines: Maps, mines, Summit County, 10, 11, 12.
Semerakite: Parger, 3.
Sampling: see Reduction & Milling.
San Carlos anticline: Fosmell, 1.
San Cristobal reservoir: Maps, mines, Hinsdale County, 4.
San Francisco Creek anticline: Pinkley, 1;
Winchester, 1.
San Juan and southwestern Colorado: Maps, mines, San Juan County, 1.
San Juan banket: Holmes, W. H., 1.
San Juan Basin: Charts, petroleum, 2.
San Juan County, maps: see Part II of Catalogue.
San Juan County, mines:
Mine Records, C. S. B. M., 20;
Champion group, Cason, 1;
Empire, Mascot and other lodes, Tulley, 1;
Ezra R. mine, Paul, 1;
Genesee-Vanderbilt Mining Co. property, Schwarz, 37, 38;
Henrietta group, Blue Bird Mining & Milling Co., 46, Sadtler, 2;
Highland Mary mine, Colburn, 2;
Iowa Gold Mining & Milling Co., C. S. B. M., 44;
Kendrick & Gelder Smelting Co., C. S. B. M., 46;
Kendrick Promotion Co., C. S. B. M., 45;
Ledge Mining & Milling Co., C. S. B. M., 49;
Lone Wolf Mining Co., Lone Wolf Mining Co., 1;
Martin property, Colburn, 3;
mining, smelting and milling operations
in San Juan County, C. S. B. M., 47;
Mirnie Gulch mine, Walter, 1;
Polar Star Consolidated Mines, Hider, 1;
Pride of the West lode, Anonymous, 3;
Ridgeway group, Van Diest, E. C., 1;
San Juan quadrangle, Kennedy, 1;
San Juan Smelting & Refining Co.,
C. S. B. M., 48;
Silver Wing property, Colburn, 1;
statement concerning the following groups of claims,
Alaska-Arapahoe group and Lout group,
Uncompahgre mining district;
Judson C. Cleverger group, Ice Lake mining district;
Klondike group, Eureka mining district,
Bridish, 1;
Treasure Mountain Mines, Inc.,
Martin, S. G., 1;
uranium and tungsten ores in Boulder,
Montrose and San Juan counties,
C. S. B. M., 6;
Zuni mines properties, Bullion King Mining Company, 1.
San Juan placer: Maps, mines, Lake County, 9.
San Juan quadrangle; Kennedy, 1.
San Juan Smelting & Refining Co.:
C. S. B. M. 48.
San Juan triangle: Maps, mines, Ouray County, 2.
San Miguel County, maps: see Part II of Catalogue.
San Miguel County, mines:
Mine Records, C. S. B. M., 80;
Alleghany group, Schwarz, 33;
Butterfly-Terrible Gold Mining Company,
C. S. B. M., 56, 57, 58;
property of J. H. Litchfield, Litchfield, 1;
Ophir Consolidated Mines, C. S. B. M., 59;
Ophir Gold Mines & Reduction Co.,
Ophir Gold Mines & Reduction Co., 1;
Radium Company of Colorado, Radium Company of Colorado, 1;
Savage Basin, C. S. B. M., 56;
Smuggler Union Mining Co., C. S. B. M., 55;
San Miguel County, mines: - Continued.

petroleum:
Paradox Valley and surrounding territory.
Brown, P. F., 1.

uranium and vanadium, Maps, mines,
Colorado, 1.
San Pedro placer: Maps, mines, Ouray Co., 2.

Saw Log placer: Maps, mines, Summit County 38.
School Section mine: Maps, mines, Teller Co., 35.
Searl placer: Maps, mines, Lake County, 9.
Seaton-Hayden group: Marchington, 1.
Seaton Mountain area: Maps, mines, Clear Creek, 3.

Edali copper mine: Ashbaugh, 4.
Edali Extension lode claim: C. S. B. M., 8.

Sedgwick County, petroleum:

Well Ings, petroleum and water, 1.

Seemann tunnel: C. S. B. M., 14.

Seven-Thirty mine: Berger and Sayre, 1.
Shafter Mining Co.: Holmes, W. H., 11.

Maps, mines, Clear Creek, 3.

Shale, Oil,
Colorado:

oil and gas resources of Colorado, Colorado State Planning Board, 1;
sufficient discovery to support the claim of an oil shale locator, hearings before the Secretary of the Interior, U. S. G. S., 35.

Mesa County:
Colorado will be Mecca for oil, Parsons, 1;
commercial possibilities of Oil Shale industry, Russell, 1;

oil shale and its possibilities, Savage, 1.

Garfield County:
commercial possibilities of the oil shale industry in Colorado, Rosenberg, K. D., 1;
commercial possibilities of Oil Shale industry in America, Russell, 1;

Maps, petroleum, Garfield County, 3;
S. C. S. group, geological report on, Winchester, 6.

Rio Blanco County:
Maps, petroleum, Rio Blanco County, 4.

Shaver Mountain: Crosser, 1.

Shawen placer: Maps, mines, Summit Co., 18.

Sheep Mountain property: Dittus, 1.

Sheep Mountain tunnel: Juan, 1; Noon, 2.
Sherman lode: George and Fair, 1.
Shermar placer: Maps, mines, Hinsdale County, 1.
Sierra Grande arch: Hager, 1; U. S. G. S., 3.
Silent Friend mine: Schwarz, 24.
Silver: Bancroft, 1; Beckstrom J. F., 1;
Fair, 2, 3; Rohlfing, 1.

Silver, production by counties: Charts,

mines, Colorado, 1; Maps, mines, Colorado, 1.
Silver Cliff, Colorado: Maps, mines, Custer County, 2.
Silver d3 placer: Maps, mines, Summit County, 25.
Silver King lode placer: Maps, mines, Summit County, 50, 51.
Silver Ledge mill: C. S. B. M., 47.
Silver Peak Mountain Meadow Mine group:
Maps, mines, In Plata County, 14.
Silverton quadrangle: C. S. B. M., 34.
Silver Wing property: Colburn, 1.

Singe Jack group: Shaw, 1.

Siler placer: Maps, mines Summit County, 48.
Sizer placer: Maps, mines, Lake County, 9.
Skull Creek anticline: Crapo, 1.
Skull Creek dome: Winchester, 4, 5.
Skull Creek well leg: Crapo, 1.

Sky City mining property: Neugebauer, 1.

Skyline Mining Co. property: Martine, 3.

Skyrocket: C. S. B. M., 12.

Slack: Greene, 1; Ionides, 1, 2.
Slumgullion Gulch: Maps, mines, Hinsdale County, 8.

Small Hopes group: Maps, mines, Boulder County, 9.

Smelting & Refining: Benjovsky, 3; Bruce, 1; C. S. B. M., 31, 45, 46; Colorado State Mining Association, 1; Schwarz, 3;
Sharron, 1.

Smuggler Concentrator: C. S. B. M., 40.

Smuggler mine: Iron Silver Mining Co., 1, 2;

Maps, mines, Lake County, 6.

Smuggler Union Mining Co.: C. S. B. M., 55.


Socorro lode: George and Fair, 1.


Solomon-Voiles group: Maps, mines, Mineral County, 17.

Soluex Tyee: C. S. B. M., 27.
S. O. S. group of oil shale claims:
Winchester, 6.
South Blue Creek group, Mesa County: Charts, mines, Labor Costs, 2; Radium Company of Colorado, 1.
South Cheyenne: Maps, mines, El Paso Co., 1.
Southeastern Colorado oil and gas possibilities: Hager, 1.
Southern Colorado Power Co., drainage project; Cripple Creek mining district; Southern Colorado Power Co., 1.
South Side placer: Maps, mines, Summit County, 37, 48.
South Swan placer: *maps, mines, Summit Co., 21.
Southwestern Engineering Corporation:
Spanish Peak group: Carraway, 1.
Spanish Peaks: Maps, mines, Los Animas Co., 1.
Specimen mine: Maps, mines, Teller Co., 23.
Speedwell group: Bradish, 5.
Spencer lode: George and Fair, 1.
Springs, Mineral: Brown, F. E., 1; Fisher, 1; Strieby, 1.
S. S. group: Schwarz, 29.
Stanley placer: Maps, mines, Ouray County, 2.
Star and Independent mines: Maps, mines, Gunnison County, 2.
Star mine: Maps, mines, Gilpin County, 11.
Star Mining and Milling Co.: Ashbaugh, 2.
Star of Bethlehem: Maps, mines, Teller Co., 22.
Star placer: Maps, mines, Summit Co., 10, 11.
Starr placer: Maps, mines, Lake County, 9.
Stemberger Brothers, properties of: Dutton, 1; Jennings, 1; Marks, 1; Pennsylvania Mining, Power & Reduction Co., 1; Sadtler, 1.
Stewart lode claim: Lindemann, 1.
Stewart mine: Watson, 1.
Stewart placer: Maps, mines, Hinsdale Co., 1.
Stillson Patch placer: Maps, mines, Summit County, 48.
Stocker claims: Dwinell, 1.
Storms placer: Maps, mines, Summit Co., 3.
Stormy Petrel: Maps, mines, Lake County, 8.
Strong mine: Maps, mines, Teller County, 29.
Stumpie placer: Maps, mines, Lake County, 9.
Sulpheide claim: Maps, mines, Eagle Co., 1.
Sultana group: *maps, mines, Park Co., 3.
Summit County, maps: see Part II of Catalogue.
Summit County, mineral resources:
available ores in the Front Range counties, Colorado State Mining Association, 1;
mineral deposits at Kokomo, Dundy, 1;
Tennmile district, Emons, S. F., 1.
Summit County, mines:
mine Records, C. S. B. M., 20;
Ago Mining Co., Berger and Sayre, 1.
American Mines Syndicate Co., proposed 15-mile tunnel through the Continental Divide, Van Wagenen, 1.
Bemrose placer, Calloway, 1;
Blue River placer No. 1, Holmes, W. I., 18;
Breckenridge Gold Belt, C. S. B. M., 60;
Colorado and Wyoming Development Co., Wellington property, Schwarz, 13;
Conners Bonanza group, Tonge, 1;
Cold Cap properties, Ashbaugh, 10;
Gold Run Consolidated Mining Co., Schwarz, 12;
Hamilton Cold Mining & Milling Co., Kirk, 1; Nicholson, 1;
Kimberly mine, Thomas, 1;
mineral deposits at Kokomo, Dundy, 1;
Nickel Plate and Monito mines, Brown, T. A., 1;
Paymaster group, Homes, 1;
Pennsylvania Mines Co., C. S. B. M., 61;
Queen of the West group, Vidler, R., 1;
St. Cloud, Tiger and Tiger Extension lodes, abstract of title, Schwarz, 34;
Tillie Ann properties, Brown, T. A., 2;
Wapiti group, Holmes, W. I., 19;
placers: Maps, mines, Summit Co., 3, 6, 9, 10, 11, 14, 15, 17, 18, 21, 22, 23, 25, 26, 28, 30, 32, 34, 35, 36, 37, 38, 39, 40, 45, 47, 48, 50, 51;
power sites: U. S. G. S., 31.
Summit Mining & Smelting Company: Maps, mines, Summit County, 46.
Sun & Moon M. & M. Co.: Maps, mines, Clear Creek County, 3.
Sunday mine: Mahoney, 1.
Sundown: C. S. B. M., 33.
Sunflower placer: Maps, mines, Teller County, 34.
Sunlight placer: Maps, mines, Ouray County, 2.
Sunnyside Mining & Milling Company: Maps, mines, San Juan County, 5.
Sunset Nos. 1 and 2 C. S. B. M., 29.
Sunshine group: Fair, 1.
Sunshine mine: Maps, mines, Teller Co., 36.
Summit County - Continued:
Surplus placer: Maps, mines, Summit Co., 18.
Surprise placer: Maps, mines, Costilla Co., 1.
Swan River placer: Maps, mines, Summit County, 25.
Sylvia and Snowbound lodes: Holmes, W. I., 5.
Tacoma group: Maps, mines, Gilpin Co., 21.
Talc, Mesa County: Beckstrom, J. F., 1.
Tambourene group: Coan, 1.
Tamar lode: Holmes, W. I., 4.
Tam O'Shanter-Montezuma mines: Weston, 1.
Tanner group of Tungsten claims: Tanner, 1.
Tarr: Greene, 1; Ionides, 1, 2; Laucks, 1.
Tascher placer: Maps, mines, Clear Creek County, 1.
Taylor River tunnel: Maps, mines, Gunnison County, 1.
Ted Estes coal mine: Maps, coal, Garfield County, 3.
Teller County, maps: see Part II of Catalogue.
Teller County, mines:
Anchoria-Leland Mining & Milling Co.,
C. S. B. M., 63, 64, 78.
A. P. lode, Clark, 3.
C. O. D. group, Arthur, Jr., 1; Ritter, 9.
Central Seventy Acre group, Consolidated Extension Mines Co., 1.
Cripple Creek mines & claimsBook,
Broyles-Schwarz Brokerage Co., 1;
Elkton Consolidated Mining & Milling
El Paso Consolidated Gold Mining Co.,
C. S. B. M., 74.
Golden Rod Mining & Milling Co.,
Schwarz, 14.
Homestake-Little Caddy group, Consolidated Extension Mines Company, 2.
Hoosier mine, Milliken, 1.
Independence Extension Mining Company,
C. S. B. M., 76.
Isabella Mines Co., C. S. B. M., 68.
Jack Pot Mining Co., C. S. B. M., 66.
Lincoln Mountain Mining & Smelting Co.,
C. S. B. M., 77.
listed companies, official summary of
certified reports of, Colorado Springs Mining Stock Association, 1;
Little May tunnel group, Consolidated Extension Mines Co., 3.
Logan Tract mining property, Milliken, 2.
Lona Pine properties, Vander Veer, 1.
Major-Loughrey Gold Mining & Milling Co.,
C. S. B. M., 79.
Mr. Rose Mining, Milling and Land Co.,
C. S. B. M., 75.
Pharmacist Mining Co., C. S. B. M., 67.
Potlatch Gold Mining Co., C. S. B. M., 70.
71, 72, 73.
Tenderfoot Hill Consolidated Mining Company,
C. S. B. M., 62.
Tent mine lease, Stevenson, 1.
United Gold Mines Co., Stevenson, 1.
United Gold Mines Co., 1, 2.
placers: Maps, mines, Teller County, 11, 34.
Telluride mining claim: Massey, 3.
Tenderfoot group, Mesa County: Charts, mines, Labor Costs, 2; Radium Company of Colorado, 1.
Tenderfoot Hill Consolidated Mining Company,
C. S. B. M., 62.
Tenderfoot mine: Maps, mines, Teller County, 7, 8, 9.
Ten Mile district, at Kokose: Danehy, 1.
Emmons, S. F., 1.
Ten Mile mining district: Tonge, 1; Maps, mines, Summit County, 18.
Terrible & Holy Terror lodes: Maps, mines, Summit County, 2.
Terrible shaft: C. S. B. M., 66.
Texas Production Company: Maps, petroleum, Moffat County, 1.
Thatcher placer: Maps, mines, Lake County, 9.
T. H. Fuller placer: Maps, mines, Summit County, 52, 50.
Thompson placer: Maps, mines, Lake County, 9.
Thornburg or Harapos dome: Winchester, 1.
Thunderbolt mine: Byron, 1.
Tiger Extension: Schwarz, 34.
Tiger lode: Schwarz, 34.
Timberlake or Fourmile placer district:
Marks, 4.
Timpas dome: Holman, 1.
Titanium: Sharron, 1.
Tomahawk-Black Diamond group: McCausland, 1.
Tomahawk property: Becker, 1.
Torpedo-Eclipse group: Bradish, 4; Maps, mines, Ouray County, 1.
Teller County, mines: - Continued.
Torpedo tunnel; C. S. B. M., 12.
Tournaiine; Beckstrom, J. F., 1.
Tow Creek structure; Ball, 1.
Town placer; Maps, mines, Clear Creek Co., 1.
Town Topics Gold Mining Co.: Schwarz, 23;
Maps, mines, Gilpin County, 22, 23.
Trail mine lease; Stevenson, 1.
Travertine; Colorado Travertine Co., 1;
Haynes, 1; Park, A. S., 1.
Traylor tunnel; Maps, mines, Pitkin Co., 15.
Treasure group; Maps, mines, La Plata Co., 20.
Treasure Vault; Maps, mines, Mineral County, 10.
Treasure Vault group; Maps, mines, Clear Creek County, 3.
Trenton-Jefferson City claims; Le Maistre, 1.
Triangle placer; Maps, mines, Lake Co., 9.
Trinchera Estates: Ritter, 2.
Trinity coal field; Maps, coal, Huerfano Co., 4.
Trujillo lode; George and Fair, 2.
Trotz-Fisherman Group; Brudish, 5.
Trust-Ruby Co.; Bradish, 4.
Tucker mine; Foster, E., 1; 1 Maps, mines,
Gilpin County, 13.
Twisp mine; Iron Silver Mining Co., 1.
Tucos shaft; Iron Silver Mining Co., 3.
Tungsten; C. S. B. M., 6; Fair; 7; Maps, mines,
Colorado, 1.
Tungsten, ferberite; Burlingame, 1; Tanner, 1.
Tungsten, hubnerite; News Champion, 1.
Tungsten King mines; Holmes, W. I., 3.
Tungsten Production Co., Inc.; Fair, 7.
Tunnel lodes; Schwarz, 19.
Tunnels; C. S. B. M., 26; Van Wagenen, 1.
Tunnels, drainage; see Drainage Tunnels.
Tunnels, water; U. S. G. S., 20.
Tuscarora claims; Maps, coal, Gunnison Co., 2.
Twentynine Park district; U. S. G. S., 17.

U

U. G. M., Vindicador & Golden Cycle groups;
Maps, mines, Teller County, 7, 8, 9.
Umberto lode; Talley, 1.
Uncle Sam vein; Kennedy, 1.
Uncompaegne placer; William, T. R., 1.
Underground waters; Cannon, 1.
United Empire Gold Mines; United Empire
Gold Mines, 1.
United Gold Mines Co.; Stevenson, 1.
United Gold Mines Co., 1, 2.
United Mines Co.; C. S. B. M., 32.
United States Geological Survey,
Coal; United States Geological Survey,
9-11, 15-17.
Mines; United States Geological Survey.
13, 14, 34.

Petroleum: United States Geological
Survey, 1-3, 13, 19, 33, 35.
Power and tunnel sites; United States
See United States Geological Survey,
Part 1 of Catalogue.

United States Marble Co.: Marks, 3.
University of Colorado, Romance of the Rockies: University of Colorado, 1.
Upper Arkansas placer; Maps, mines, Lake Co., 5.
Upper Platte placer; Maps, mines, Park Co., 10.
Urado district; Maps, petroleum, Rio Blanco
County, 3.
Uranium; Beckstrom, J. F., 1; C. S. B. M., 6.
Radium Company of Colorado, 1; Sharron, 1;
Maps, mines, Colorado, 1.
Ute Coal Co.: Ute Coal Company, 1.
Ute Rock group; Rosenberg, K. D., 1.

V

Valley View Consolidated Gold Mining Co.;
Maps, mines, La Plata County, 9.
Vanadium; Beckstrom, J. F., 1; Garfield
Vanadium Corporation, 1; Radium Company
of Colorado, 1; Sharron, 1; Maps, mines,
Colorado, 1.
Vanadium-uranium property in South Park;
Ashbaugh, 9.
Van Emmett Gold Mining Co.: Burris, Jr., 1;
Chase, C. A., 1; Maps, mines, La Plata
County, 9.
Vasco claims; Fair, 7.
Vermiculite; Martin &; Sharp, 1.
Victor Fuel land; Maps, coal, Fremont Co., 1.
Victoria mines; Maps, mines, Boulder Co., 5.
Vida group; Bradish, 6.
Vindicador shaft; Maps, mines, Teller Co., 39.
Vindicador & Golden Cycle group; Maps, Mines,
Teller County, 7, 8, 9.
Violet Beauty claims; Maps, mines, Boulder Co., 4;
Virtus places; Maps, mines, Summit Co., 6.

W

Walker Hill anticline; Osborne, 1.
Walker placer; Schwarz, 12.
Walsenburg area, Geology of; Henley, 1.
Walter Scott placer; Maps, mines, Lake Co., 1.
Wander Home placer; Maps, mines, Park Co., 7.
Wapiti group; Holmes, W. I., 19.
Wapiti mines; Maps, mines, Summit Co., 9.
Warrior's Mark claims; Berger and Pryce, 1.
Washington County, petroleum;
sandstone in northeastern Colorado
that may yield oil, U. S. G. S., 1;
Well logs, petroleum and water, 1.
Water, irrigation; Beckstrom, J. F., 1.
Washington County - Continued.

Water: Springs: Brown, F. E., 1; Fisher, J.

Strieby, 1.

Water, underground: Cannon, 1.

Water, wells: Cannon, 1; Osborne, 1; Well Logs, petroleum and water, 1.


See also Power sites; Tunnels, water; Water, irrigation; Water diversion.


Watkins-Jennett anticline: McCain, 1.

Wave placer: Maps, mines, Gilpin Co., 3.

Weyt & Myers group: Read, 2.

Water mining properties: Ashbaugh, J.; Thompson, 1.

Weahawken Basin: Bradish, 6.

Weld County: petroleum:

Greasewood dome inspection trip, Parbour, 1; oil and gas in northeastern Colorado, U. S. G. S., 2.

Ray Patterson well, Frommel, 2;

Roggen anticline, Fanning and Smith, G. A. L., 1 sandstone in northeastern Colorado that
may yield oil, U. S. G. S., 1;

Well Logs, petroleum and water, 1.

Wellington anticline: U. S. G. S., 2; Winchester, 1.

Wellington-Ft. Collins field: Harrison and

Horn, C. R., 1.


Wellington property: Schwarz, J. E.

Wellington structure: Wageman, 1.


Wells, petroleum: Charts, petroleum, San Juan Basin, 2.

Wells, petroleum, logs: Beckstrom, J. F., 1.

Well Logs, petroleum and water, 1.

Wells, water: Beckstrom, J. F., 1; Cannon 1;

Osborne, 1.

Wells water, logs: Well Logs, petroleum and

water, 1.


Western Fuel Co.: Maps, coal, Fremont Co., 1.

Western View group: Reed, 7.

West Gold Mining Co.: West Gold Mining Co., 1.


Wheelmen's Mining & Tunneling Co.: S.B.M., 5.

Wheel of Fortune group: Maps, mines, La Plata Co., 21.

Whiskey Creek structure: Pinkley, 1.

Whitepine property: Eitter, 6.


White River anticline: Taff, 1.

White River dome: Zephyr, 2; Weeler Herald, 1;

Taff, 1; White River Oil Co., 1;

Whitney, 1; Ziegler, 1.

White River gas field: Zephyr, 2; Horn, R. C., 1; Lakes, 1.

White River Oil Co.: White River Oil Co., 1.

Whizzer, Teller and adjoining mining claims:

Frommel, 9.

Wild Horse group: United Gold Mines Co., 1, 2.


Willow Cutch placer: Maps, mines, Costilla Co., 1.

Willow Run claims Hamilton, 1.

Wilson Creek or "Devil's Hole" dome:

Maps, petroleum, Moffat County, 1.

Wilson placer: Maps, mines, Teller Co., 34.


Wonderful placer: Maps, mines, Summit Co., 38.


Wood mountain mines: Fair, 4.

Wood Mountain Mining Co.: Teagarden, 1.

World's Fair placer: Maps, mines, Teller Co., 34.

W. P. H. group: United Gold mines, 1, 2.

Wray dome: Harrison, 1.

Wray gas field: Frommel, 4.

Wyandotte-Apex Gold Mining Co.: Holmes, W. L., 17; McFadden, Lyn, 1.

Wyoming group: Bradish, 6.


Y

Yankee Boy group: Bradish, 4.

Yellow Banks dome: Maps, petroleum, Pueblo Co., 1.

Yellow Rose group: Bradish, 4.

Yellowstone & Circassian claims of the

Trust-Ruby Company: Bradish, 4.

Yellowstone placer: Maps, mines, Park

County, 5.

Yukon claims: Maps, mines, La Plata County, 8.

Yule Marble Company: Frommel, 10.

Yampa coal field: U. S. G. S., 10, 11, 15, 16, 17.

Yampa River: U. S. G. S., 27.

Yuma County, petroleum:

Wray dome, Harrison, 1;

Wray gas field, Frommel, 4;

Well Logs, petroleum and water, 1.

Z

Zephyr and Cyclone claims: Armstrong, 1.

Zinc, production by counties: Charts, mines, Colorado, 1; Maps, mines, Colorado, 1.

Zinc ores: Brace, 1; Schwarz, 3, 32.

Zuni mines: Million King Mining Company, 1.