



CIRCULATE
7 DAYS ONLY
EXHIBITS DIV.

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UNPUBLISHED ENGINEERING AND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UNPUBLISHED ENGINEERING AND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

Charles N. Bell
F. C. Carstarphen

Dr. M. F. Coolbaugh, Chairman

S. A. Ionides
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

	Page
PREFACE - - - - -	iii
 PART I : Reports, Mine Records, Well Logs, and Miscellaneous Items, arranged alphabet- ically by author - - - - -	 1
 PART II : Charts and Maps	
A. Charts relating to mines and petroleum	42
B. Maps	
1. Coal Mines - - - - -	42
2. Metalliferous Mines - - - - -	43
3. Petroleum - - - - -	59
4. Geology - - - - -	61
 PART III: Index by subject and county location of items listed in Parts I & II - -	 61a

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

P R E F A C E

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 It was believed that much unpublished data could be secured in various parts of the state, which would be of definite value when assembled and arranged for use.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 Works 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 Mountain 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

o o o

Aller, F. D.

1. Report on a group of mining claims in the California Mining District, La Plata Co., Colorado, with a letter from Frank W. Lott and L.G. Ingersall, 4p. 1932. map.

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

2. Report on the Oro Negro group of mining claims, La Plata County, Colo. 1p. n. d. map.

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.

1. Prospectus of the Anchor Mines Syndicate. The Gold Dollar, Gold Bullion and Anchor lode claims 1-8. Vermillion Mining Dist., Gilpin County, Colorado. 5p. n.d.
Gilpin County. Vermillion Mng. Dist.

Andrews, Charles Lincoln

1. Catalogue of the material gathered concerning the mineral resources of Colorado, mostly from manuscripts and maps. Copied for preservation under the direction of the Colorado State Planning Commission. Part 1, Reports; Part 11, Maps. Index 1936.

Anonymous.

1. Report on P.T. mine. 1p. n.d. map Clear Creek Co. Jackson Mining Dist. Chicago Mt. tunnel starting at Chicago Creek.

Anonymous (Cont'd.)

2. Fremont feldspar. Chemical analysis by Frank E. E. Germann. 7p. 1925.
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. 2 mi. from Silverton.

Armstrong, F.C.

1. Brief statement concerning the Zephyr 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. $\frac{1}{2}$ 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.

2. Reports on the Friend group, Dumont Mng. Dist. Clear Creek County. 3p. 1935 2 maps.
Secs. 29 and 30. Twp. 3 S., R. 73 W.

Ashbaugh, Lewis E.

1. Preliminary report on Properties of the Mineral Holdings Company at Jamestown, Boulder County. 4p. 1929. map 5p. illus.
Boulder County. Central Mng. District. On west slope of the north part of Prophecy Mountain. S. W. $\frac{1}{4}$ of Sec. 18. Twp. 2 N., R. 71 W. $1\frac{1}{2}$ mi. from Jamestown.

Ashbaugh, 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 Mng. 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 Mng. District. Up Sunshine Gulch, $\frac{2}{3}$ of a mile above the town.
4. Report on the Sedalia copper mine at Salida. 1p. 1930.
Chaffee County. Sedalia Mng. Dist. 4mi. north of Salida, $1\frac{1}{2}$ mi. from the R.R.
5. Report on the Bates-Bonanza mines, Gilpin County. 11p. 1931 7 maps. illus.
Gilpin County Gregory Gulch Mng. Dist.
6. Report on the Ruby Mining properties, 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.
7. Report on the Criterion mining properties near Alma, Park County. 5p. 1930.
Park County. Buckskin Mining District.
8. Report on the Weber mining properties of the Mineral Park Mines, Inc., near Alma, Colorado. 7p. 1928. 5 maps. 4p. illus.
Park County. Buckskin Mining Dist. S. W. $\frac{1}{4}$ Sec. 27, Twp. 8 S., R. 78 W 3 miles northwest of Alma.
9. Vanadium-Uranium property in Hay Meadow District in South Park, Colorado Park County. 1p. 1935.
Park County, Hay Meadow Mng. District.
10. Report on the Gold Cap Properties. Collier Mt., Summit County. 4p. 1934.
Maps and illus. missing.
Summit County. Montezuma Mng. District on Collier Mt., just south of Chilkahua and 2 miles east of Montezuma.

Austin, William Lawrence

1. A promising gold field (Rito Seco Properties) n.d.
See Ritter, Etienne A., 2. (Sec. 5).
2. Report on the Flomo mining property (Rito Seco properties) 1905.
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, S. $\frac{1}{2}$ of the N.W. $\frac{1}{4}$ Sec. 18, Twp. 6 N., R. 26 W., 11 miles east of Hayden Tow Creek structure.

Bancroft, George J.

1. Minerals of Jefferson County, 2p. n.d.
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. $\frac{1}{4}$ of S.W. $\frac{1}{4}$ Sec. 24, Twp. 6 N. R. 61 W.; N.E. $\frac{1}{4}$ of N.W. $\frac{1}{4}$ 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. 7-18.
See University of Colorado, 1.

Becker, Clyde M.

1. Report on the Tomahawk and Black Diamond Properties. 5p. 1934.
La Plata County. California Mng. Dist, 3 miles north of La Plata, Colorado.

Beckstrom, 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 p.
Mesa County.

Beeler, Henry C.

1. A brief report on the Iron Mask group of mines, near Dumont, Clear Creek County. 4p. 1933.
Clear Creek County. Dumont Mng. Dist.
S. W. $\frac{1}{4}$ Sec. 18, Twp. 3 S., R. 73 W.
2. Report on the properties of the Douglas Mountain Mng. Company, near Idaho Springs, Clear Creek County. 4p. 1929. map. 4p. illus.
Clear Creek Co. Morris Mng. District.
3. Report on the Old Kentucky group of mines. 3p. 1934. map.
Gilpin County. Perigo Mng. Dist. Secs. 22, 23, 26 and 27, Twp. 2 S., R. 73 W., extending in a northeasterly and southwesterly direction from a point east of Stewart Gulch to Silver Creek, a distance of about a 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 Mng. District.

Benjovsky, 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 Mng. 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.
3. A modern Sampling, Milling and Reduction plant at Salida, Colorado 2p. n.d.
Chaffee County.

Berger and Sayre

1. Report to the Aco Mining Company on the Warrior's Mark, Seven-Thirty and Hicks-Detroit by Berger and Sayre (Robert H. Sayre). 12p 1923.
Summit County. Breckenridge Mng. Dist.
Warrior's Mark: 10 miles southeast of Breckenridge. Hicks-Detroit: 2 Miles northeast of Breckenridge.

Big Five Tunnel

1. Information concerning veins cut by the Central Tunnel level of the Big Five Tunnel. 5p. 1906-8.
Clear Crk. Co. Spanish Bar Mng. Dist.

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 Mng. 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 Mng. Dist.
Northeast slope of Crystal Mountain, 1 mile from Crystal.
2. Report on the adjoining Emerald Isle and Contention claims. 3p. 1890. map.
Hinsdale Co. Lake Mng. 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.
Fremont County. Florence-Canon City field. Southeast of Florence. The Florence Refinery.

Brace, Walter C.

1. A detailed record of the smelting results obtained from the treatment of two lots; one 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 Mng. Dist. Iron Silver zinc ores and Small Hopes zinc ores.
International Metallurgical Company.

Bradish, Harry R.

1. Statement concerning the following groups of claims in San Juan County: Alaska-Acapulca Group. Uncompahgre Mng. Dist. Sec. 3, Twp. 42 N., R. 7 W., N.M.P.M. Map.
Lout Group. Uncompahgre Mng. Dist. Sec. 34, Twp. 43 N., R. 7 W.
Judson C. Clevenger Group. Ice Lake Mng. Dist. Sec. 25, Twp. 41 N., R. 9 W. 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 Day 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. District, 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. District.
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-Moslem 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.

1. Report on the Passiflora Mining & Milling Co., Custer County, Colo., with supplemental statement by the President of the Company; accompanied by a report on the property by E. W. Keith, a letter by John Edman and pages 469-72 of the 17th Annual Report U.S. Geological Survey 1895-96, The Mines of Custer County, by Samuel Franklin Emmons 12p. n.d.
Custer County. Hardscrabble Mng. Dist.

Brecken, L.S.

1. Report on the Colorado-Juneau Mines, Inc., Oro Fino Mng. Dist. La Plata Co. 14p. 1934.
La Plata County. California Mng. Dist. Secs. 26 and 35, Twp. 37 N., R. 10 W. N.M.P.M., about 15 mi. N. W. of Durango.

Broadman, _____.

1. Report on the Ingham group, Ingham lode and Period lode mining claims. 5p. c1904. map.
Clear Creek County. Lower York and Lincoln Mng. Districts.

(Continued on next page)

Broadman, _____ (No. 1 cont'd.)

On Fall River, about $2\frac{1}{2}$ mi. from Fall River, about $2\frac{1}{2}$ mi. from Fall River Station and 5 miles from Idaho Springs.

Broan, J.M.

1. Report on the Vermiculite properties in Fremont and Custer Counties, near West-cliff and Hillside, Colorado. 1934.
See Sharer, Edward, C., 1.

Brown, Frank Ellis.

1. Mineral Springs: Pikes Peak Journal, March 27, 1936. 3p. 1936.
El Paso County.

Brown, Prentice F.

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

Brown, Thomas A.

1. Prospectus of the Nickel Plata and Monito Mines on prospect and Mineral Hills, Bevan Mng. Dist. Summit County. 3p. 1900.
Summit County. Bevan Mining District.
2. Engineers report on the Tillie Ann mining properties. Peak Eight Mining District, Summit County. 4p. 1919.
Summit County. Peak Eight Mng. District.

Bullion King Mining Co.

1. Letter concerning the Zuni Mines properties at Silverton, Colorado. 1908. 2p.
San Juan County. Animas Mining District.

Burger, O.K.

1. Report on the Iron King mine, 3 miles north of Cascade. 3p. 1936. 2 maps. illus.
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. Borck ranch, south of Cotopaxi and 40 miles west of Canon City, Fremont County. 4p. 1934,

with a letter from Albert de Marconnay. 1p. 1935. Map missing.
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. 10p. 1936.

Burlingame, Walter E.

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

Burris, Jr., S.J.

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

Byrnes, V. H.

1. Letter concerning the Crown Point-Virginia mines. 2p. n.d.
Clear Creek County. Idaho Springs Mining District.

Byron, J.E.

1. Reports on the Thunderbolt mine, located near Jamestown. 2p. n.d. 2 maps.
Boulder County. Central Mng. District
Sec. 36, Twp. 2 N., R. 72 W.
2. Report on the Little Johnny mine, Boulder County. 3p. 1933.
Boulder County. Gold Hill Mng. District
Sec. 17, Twp. 1 N., R. 71 W 8 miles N.W. of Boulder on Four Mile Creek.
3. Report on the Roseberry mine, Eldora, Colorado. 6p. 1933. 2 maps.
Boulder County. Grand Island Mng. Dist.
At Eldora on Spencer Mountain.
Sec. 21, Twp. 15, R. 73 W.

4. Report on the Monitor group of mining claims, Caribou, Colo. 12p. 1931.
Boulder County. Grand Island Mng. Dist.

5. Report on the Livingston Mng. Co. 12p. 1935.
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.)

6. Report on the Dolly Varden group of mines.
4p. 1931. map.

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.

7. Preliminary report on the Baxter mine,
Ward, Colorado. 2p. 1931. map.
Boulder County. Ward Mining Dist.
Sec. 1, Twp. 1 N., R. 73 W.

Caldon, J. D.

1. Report on the property of the Golden
Vault Mining & Milling Co. Independence
Mining District, Gilpin County. 5p. 1919.
Gilpin County. Independence Mng. 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.
Gr. 1936.
Summit County. Hoosier Pass Mng. Dist.
Secs. 1, 11, 12 and 21, Twp. 8 S., R.
78 W. About 10 miles south of Alma.

Cannon, R.m.

1. Field notes on Garion 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

1. Report on the May Rose Mines, La Plata
County. 3p. 1936. map.
La Plata County. California Mng. 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 Mng. 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 south-
east slope of the West Spanish Peak.

Carroll, A.A.

1. Statement concerning the Netted Gem group.
3p. 1936. map.
Gunnison County. Box Canon Mng. Dist.
Southeast slope of Copper Mountain, near
Bowerman. S. E. ¼ 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.

1. Report on the Logan group of mines of the
Logan Metals Company, 3p. n.d. Supplemented
by reports of A. S. Coan, 1p. n.d. W.B. Hayes,
1p. 1905. Fred A. Fair, 4p. 1917.
Boulder County. Sugarloaf Mng. 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,
La Plata County. 7p. 1912. Map. (Incas claims).
La Plata County. California Mng. District.

Chase, Edwin E.

1. Report on the Golden Fleece mine.
6p. 1898. 2 maps.
Hinsdale County. Lake Mng. District 4
miles southeast of Lake City on east
slope of Hotchkiss Mountain.

Chase, Edwin E. (Cont'd.)

2. Report on the Caribou mine in Boulder County. 1915.

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.

1. Report on the Freeland mines. 5p. 1928.
Clear Creek County. Dumont Mng. Dist.
4 miles west of Idaho Springs,
Freeland Development & Tunnel Co.

Clark, V. V.

1. Report on Placer property of Eugene Mines,
Inc. 6p. 1935. map.

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 4980 feet.

2. A geological study with historical notes
of Creede Mines, Inc. 24p. 1934. 5 maps.
Illustrated.

Mineral County. Sunnyside Mng. Dist.

3. Report on the A.P. Lode, Cripple Creek
Mining District. 3p. 1935. 2 maps.
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 Tambourene
group of mines, at Wall Street,
Boulder County. 2p. nd.
Boulder County. Gold Hill Mng. Dist.

Colburn, C. Lorimer

1. Information concerning the Silver Wing
property, San Juan County. 1p. 1936. map.
San Juan County. Eureka Mng. Dist.
About 1-1/2 miles above Eureka. 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.
Northwest from Eureka extending over
Treasure 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,
President. 19p. 1929. maps. diagr. photo.
Park County. Freshwater Mng. Dist.
Part of S. W. $\frac{1}{4}$ Sec. 28, N. W. $\frac{1}{4}$ Sec. 33,
W. $\frac{1}{2}$ N. E. $\frac{1}{4}$ Sec. 33. Twp. 15 S. R. 73 W.,
6th 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.
Lot N. 2561, 4p. 1933.
La 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. Marks.) 13p. 1936.

2. Report on the Wall Street Gold Extraction
Co. (at Sunset) Boulder County, Mine
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
for the year 1902. page 8, 2p. map.
Boulder County. Ward Mng. District.
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 8. 1p.
Boulder County. Ward Mining District
Sec. 1. Twp. 1 N., R. 73 W.

Colorado State Bureau of Mines (Cont'd.)

5. Report on Wheeman's Mining and Tunnelling Company, Bicycle Mountain, Boulder County: Mine Managers' Reports for the year 1901, page 90, 2p. map.
Boulder County. 8 miles from Boulder on the road to Eldora.
6. Report on production of Uranium and Tungsten ores in Boulder, Montrose and San Juan Counties in 1900: Mine Managers' Reports for the year 1901. Page 272
A. and B. 2p.
Boulder, Montrose, San Juan Counties.
7. Report on the Giant-Eclipse Consolidated Mines Company, Chaffee County: Mine Managers' Reports for the year 1914, page 57. 1p.
Chaffee County. Monarch Mining District.
Sec. 4. Twp. 49 N., R. 6 E., N.M.P.M.
8. Report on the Copper King of Colorado, the Sedalia Extension, Sedalia Extension No. 2, and Copper Queen of Salida lode 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.
9. Report on the Knickerbocker Tunnel, Clear Creek County: Inspector of Mines' Reports for the years 1895 to 1897, Vol. 1, page 83. 1p. map.
Clear Creek County. Virginia & Fall River Mining Districts in Dry Gulch.
Sec. 22, Twp. 3 S., R. 73 W.
10. The Monarch properties described with a report on the Freeland mine of the Monarch Mining, Milling, Tunnel, Transportation & Power Co., by W. G. Moore, M. E.; Inspector of Mines' Reports for the year 1905, Vol. 7, page 51. 8p. map.
Clear Creek County. Dumont Mng. District
Secs. 31 and 32 Twp. 3 S., R. 73 W.
11. Report on the Stanley Mines Co., Clear Crk, County: Mine Managers' Reports for the year 1910, page 48. 1p.
Clear Creek County. Spanish Bar Mining
Dist. Sec. 34, Twp. 3 S., R. 73 W.
12. Second Annual report of the Idaho Springs Gold Producing Co., Idaho Springs. Mine Managers' Reports for the year 1903, page 609. 2p.
Clear Creek County. Sec. 34 Twp. 3 S., R. 73 W. Sec. 3, Twp. 4 S., R. 73 W.
Torpedo Tunnel. Skyrocket. Placer in Spring Gulch,
13. Report on the Newhouse Tunnel, Clear Creek County: Inspector of Mines' Reports for the years 1895-97, Vol. 1, page 88. 1p.
Clear Creek County. Idaho Springs Mng. Dist. Sec. 35, Twp. 3 S., R. 73 W.
14. Report on the Continental Mines, Power & Reduction Co.: Mine Managers' Reports for the year 1909, page 28. 2p. map.
Clear Creek County. Lincoln Mng. Dist.
Sec. 1. Twp. 3 S., R. 74 W. Seeman Tunnel. Lombard Mill. Lombard Tunnel
1 & 2.
15. Report on the Continental Mines, Power & Reduction Co., Clear Creek County: Mine Managers' Reports for the year 1910, page 49. 2p.
Clear Creek County. Lincoln Mng. Dist.
Sec. 1, Twp. 3 S., R. 74 W.
16. Report on the Golden Empire Mng. Co., Empire, Clear Creek County: Mine Managers' Reports for the year 1913, page 90. 4p.
Clear Creek County. Upper Union Mining Dist. West slope of Covode Mountain.
Secs. 27 and 28, Twp. 3 S., R. 74 W.
17. Report on the Maxwell Concentrating Mill, Clear Creek County: Mine Managers' Reports for the year 1902. page 94. 1p.
Clear Creek County. Griffith Mining Dist. 1/2 mile west of Silver Plume.
Sec. 13, Twp. 4 S., R. 75 W.
18. Report on the "Little Chief" proposition, Eagle County: Mine Managers' Reports for the year 1908, page 251. 3p.
Eagle County. Battle Mountain Mng. Dist.
Sec. 13, Twp. 6 S., R. 81 W.
19. Report on the Polar and Rocky Point group of mines, Gilman, Eagle County: Mine Managers' Reports for the year 1908, page 252. 7p.
(Cont'd. on next page)

Colorado State Bureau of Mines No. 19 (Cont'd.)

19. Eagle County. Battle Mountain Mining
Dist. Sec. 13, Twp. 6 S., R. 81 W.
20. Report on the Pine Creek District, Gilpin
County: Inspector of Mines' Reports for
the year 1896, Vol. 1, page 218. 1p.
Gilpin County. Pine Creek Mining
District. Twp. 2 S., R. 73 W.
21. Report on the Sylvania Gold Mines Corpo-
ration, Gilpin County: Mine Managers'
Reports for the year 1901, page 207. 1p.
Gilpin County. Illinois Central Mng.
Dist. Southwest slope of Quartz Hill.
Sec. 14, Twp. 3 S., R. 73 W.
22. Report on the Pewabic Consolidated Gold
Mines Co., Gilpin and Clear Creek
Counties. Fourth annual report: Inspector
of Mines' reports for the year 1905, Vol.
7. page 60. 2p. 2 maps.
Gilpin and Clear Creek Counties.
Russell Gulch Mining District
Sec. 23, Twp. 3 S. R., 73 W.
23. The Asphalt deposits of Middle Park,
Grand County: Mine Managers' Reports
for the year 1900, page 273. 2p.
Grand County. West of Grand Lake.
24. Report on the Emmons Mountain Mining
& Milling Co., Gunnison County: Mine
Managers' Reports for the year 1913,
page 248. 2p.
Gunnison County. Ruby Mining Dist.
2-1/2 miles northwest of Crested Butte.
About Sec. 20, Twp. 13 S., R. 86 W.
25. Report on Gunnison County by Lute H.
Johnson: Mine Managers' Reports for the
year 1901, page 215 1p. map.
Gunnison County. Ruby Mng. Dist. Sec.
34, Twp. 13 S., R. 87 W.
The Standard Mining Company
Black Queen Mng. Co. Excelsior vein.
26. Report on the Iron Silver Mng. Co., Lake
County: Mine Managers' Reports for the
year 1904, Vol. 6, page 161. 3p.
Lake County. California Mng. Dist.
Sec. 30, Twp. 9 S., R. 79 W.
27. Report on the Loyal Gold Mining & Mill-
ing Co.: Mine Managers' Reports for the
year 1913, page 300. 10p. map.
Lake County. Granite Mng. District.
Sec. 30, Twp. 11 S., R. 79 W.
Solux Tiye 47.
28. Report on the Maid of Erin, Lake County:
Mine Managers' Reports for the year 1900.
page 381 A 1p.
Lake County. California Mng. 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
Mng. 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 Mng. Dist.
Sec. 11, Twp. 7 N., R. 70 W. About 7
miles west of Fort Collins and 3
miles south of Bellvue.
31. Report on the Omaha-Grant Smelting Co.:
Mine Managers' Reports for the year 1901,
page 264. 1p.
La Plata County. California Mng. Dist.
Sec. 36, Twp. 37 N., R. 11 W., N.M.P.M.
32. Report on the United Mines Company,
Mineral County: Inspector of Mines' Reports
for the years 1901 and 1902, Vol. 5 page
149. 5p.
Mineral County. Sunnyside Mng. Dist.
Sec. 13, Twp. 42 N., R. 1 W., N.M.P.M.
33. Report on the Mancos Consolidated Gold
Mines and Development Co.: Mine Managers'
Reports for the year 1901. page 271. 4p.
Montezuma County. California Mng. Dist.
on East Mancos River. Twp. 36 N., R.
12 W., N.M.P.M. Sundown, North Star etc.

Colorado State Bureau of Mines (Cont'd.)

34. The Silverton Quadrangle: Mine Managers' Reports for the year 1902. page 301. 3p.
Ouray County. Twps. 40, 41 and 42 N.,
Rs. 7 and 8 W., N.M.P.M.
35. Report on Camp Bird Limited, Ouray Co.:
Mine Managers' Reports for the year 1903.
page 414. 12p.
Ouray County. Sneffels Mng. Dist.
Sec. 34, Twp. 43 N., R. 8 W., N.M.P.M.
36. Report on the Camp Bird Limited, in
Ouray County: Mine Managers' Reports for
the year ending April 30, 1905.
page 221. 25p. 5 maps.
Ouray County. Sneffels Mng. Dist.
Sec. 34, Twp. 43 N., R. 8 W., N.M.P.M.
Imogene Basin. List of claims.
37. Report on the Atlas mine, Ouray County:
Mine Managers' Reports for the year
1906. page 219. 3p. map.
Ouray County. Sneffels Mng. District.
1 mile east of the Humboldt, Terrible
and Virginus mines.
Sec. 28, Twp. 43 N., R. 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.
39. Report on the Kentucky Belle group of
mines, Park County: Inspector of Mines'
Reports for the year 1904. Vol. 6, page
146. 6p.
Park County. Buckskin Mining District.
Sec. 20, Twp. 8 S., R. 78 W.
40. Report on the Smuggler Concentrator, Aspen,
Colorado: Mine Managers' Reports for the
year 1900, page 524. 2p.
Pitkin County.
Twp. 10 S., Rs. 34 and 85 W.
41. Report on the Hahn's Peak Mng. Dist.,
Routt County: Inspector of Mines' Reports
for the years 1895-97, Vol. 1, page 319. 3p.
Routt County. Hahn's Peak Mng. Dist.
42. Mining possibilities in the Hahn's
Peak District: Mine Managers' Reports for
the year 1902, page 282. 1p.
Routt County. Hahn's Peak District.
43. Report on the present condition of oil
prospecting in the Routt County field:
Mine Managers' Reports for the year 1901,
page 301. 1p.
Routt County.
44. Report on the Iowa Gold Mining and Mill-
ing Company: Mine Managers' Reports for
the year 1901. page 314. 2p.
San Juan County. Silver Lake Mng. Dist.
About Sec. 23, Twp. 41 N., R. 7 W.
45. Statement of the Kendrick Promotion Co.:
Mine Managers' Reports for the year 1901.
page 322. 3p.
San Juan County. Red Mountain Mng.
Dist. Sec. 20, Twp. 42 N., R. 7 W.,
N.M.P.M. Henrietta-Lizzie vein. Oliver
Reduction Company-Silverton Mng. Dist.
46. The Kendrick & Gelder Smelting Co., Sil-
verton, Colorado: Mine Managers' Reports
for the year 1902, page 301. 7p. map.
San Juan County. Red Mountain Mining
Dist. Prospect Basin. Cement Creek
side of Red Mountain. Sec. 20, Twp.
42 N., R. 7 W., N.M.P.M. Henrietta mine.
47. Report on mining, smelting and milling
operations in San Juan County: Mine
Managers' Reports for the year 1900,
page 551. 5p.
San Juan County. Red Mountain Mining
District.
Sec. 20, Twp. 42 N., R. 7 W., N.M.P.M.
Kendrick & Gelder Smelter.
Silver Ledge Mill near Chattanooga -
about Sec. 26, Twp. 42 N., R. 8 W.
Hercules Mill at Silverton.
Goldstone King Mill at Gladstone.
48. The San Juan Smelting & Refining Co.: Mine
Managers' Reports for the year 1904, page
312. 15p.
San Juan County. Red Mountain Mng. Dist.
Prospect Basin, Cement Creek side of
Red Mountain. Sec. 20, Twp. 42 N., R. 7
W., N.M.P.M. Henrietta lode. Picayune
Gulch group. Burroughs Park group.
A group at Silverton.

Colorado State Bureau of Mines (Cont'd.)

49. Report on the Ledge Mining & Milling Co., Red Mountain, Colorado: Mine Managers' Reports for the year 1901, page 324. 4p.
San Juan County. Red Mtn. Mng. Dist.
Near Chattanooga, about 9 miles north of Silverton. About Sec. 26, Twp. 42 N., R. 8 W., N.M.P.M. Gladstone about 6 miles northeast of Chattanooga.
50. Report on the Savage Basin, San Miguel County: Mine Managers' Reports for the year 1901, page 335. 19p. H. A. Lee, Commissioner of Mines.
San Miguel County. Lower San Miguel, Mt. Wilson, Snyderville and Upper San Miguel (Telluride) Mng. Dist. Twps. 42 and 43 N., Rs. 9 and 10 W., N.M.P.M. Geology of Savage Basin, Veins worked pp. 7-15.
51. Report on the Tomboy Gold Mines Co. Ltd., San Miguel Co.: Mine Managers' Reports for the year 1900, page 585. 3p.
San Miguel County. Upper San Miguel Mng. Dist. Sec. 4, Twp. 42 N., R. S. W. N.M.P.M. Argentine, Red Cloud, Champion and Chieftain claims.
52. Report on the Tomboy Gold Mines Co., Limited, San Miguel County: Mine Managers' Reports for the year 1902, page 331. 3p.
San Miguel County. Upper San Miguel Mng. Dist. Sec. 4, Twp. 42 N., R. 8 W. Argentine. Columbia-Menona group. Eldorado group.
53. Report on the Tomboy Gold Mines Co. Ltd., Telluride: Mine Managers' Reports for the year 1903, page 472. 4p. map.
San Miguel. Upper San Miguel Mng. Dist. Sec. 4 Twp. 42 N. R. 8 W., N.M.P.M.
54. Report on the Tomboy Gold Mines Co. Ltd.: Mine Managers' Reports for the year 1905, page 260 A. 4p.
San Miguel Co. Upper San Miguel Mng. Dist. Sec. 4, Twp. 42 N. R. 8 W., N.M.P.M.
55. Report on the Smuggler Union Mng. Co., San Miguel County: Mine Managers' Reports for the year 1903, page 468. 2p.
San Miguel County. Upper San Miguel Mng. Dist. Secs. 29, 30, 31 and 32, Twp. 43 N., R. 8 W., N.M.P.M.

Colorado State Bureau of Mines (Cont'd.)

56. Report on the Butterfly-Terrible Gold Mng. Co., San Miguel County: Mine Managers' Reports for the year 1900, page 567. 2p.
San Miguel County. Iron Springs Mng. Dist. Sec. 33, Twp. 42 N., R. 9 W., N.M.P.M. Terrible shaft. Ida vein.
57. Report on Butterfly and Terrible group, San Miguel County: Mine Managers' Reports for the year 1901, page 337 A. 10p.
San Miguel County. Iron Springs Mng. Dist. Sec. 33, Twp. 42 N., R. 9 W., N.M.P.M. 1 mile from Ophir Station.
58. Fifth Annual report of the Butterfly-Terrible Gold Mining Company: Mine Managers' Reports for the year 1905, page 255. 2p.
San Miguel County. Iron Springs Mining Dist. Sec. 33, Twp. 42 N., R. 9 W.
59. Report on the Ophir Consolidated Mines, Ophir, Colo.: Mine Managers' Reports for the year 1902, page 469. 3p. map.
San Miguel County. Iron Springs Mining Dist. Sec. 35, Twp. 42 N., R. 9 W., N.M.P.M.
60. The Breckenridge Gold Belt, Summit Co., its placers and lode mines: Mine Managers' Reports for the year 1901, page 349 A 9p.
Summit County.
61. Report on Pennsylvania Mine Co., Summit County: Mine Managers' Reports for the year 1901, page 349 A. 1p.
Summit County. Peru District.
Secs. 20 and 29, Twp. 5 S., R. 75 W.
62. Report on the Tenderfoot Hill Consolidated Mining Co., Teller County: Mine Managers' Reports for the year 1901, page 531. 5p.
Teller County. Cripple Creek Mining Dist. Secs. 7 and 18, Twp. 15 S., R. 69 W.
63. Report on the Anchoria-Leland Mining & Milling Co., Teller County: Mine Managers' Reports for the year 1901, page 355. 6p.
Teller County. Cripple Crk. Mng. Dist. Secs. 18 and 19, Twp. 15 S., R. 69 W.
64. Report on the Anaconda Gold Mining Co.: Mine Managers' Reports for the year 1901, page 356. 3p.
Teller Co. Cripple Crk. Mng. Dist. Sec. 19, Twp. 15 S., R. 69 W. Kittie M. Claim.

Colorado State Bureau of Mines (Cont'd.)

65. Report on the Elkton Consolidated Mining & Milling Co., Teller County: Mine Managers' Reports for the year 1901, page 409 A. 2p.
Teller County. Cripple Crk. Mng. Dist.
S. W. $\frac{1}{4}$ Sec. 19, Twp. 15 S., R. 69 W.

66. President's report on the Jack Pot Mng. Co., Teller County: Mine Managers' Reports for the year 1897, page 130. 2p.
Teller County. Cripple Crk. Mng. Dist.
S. $1\frac{1}{2}$ Sec. 19, Twp. 15 S., R. 69 W.

67. Annual report of the Pharmacist Mng. Co., Teller County: Mine Managers' Reports for the year 1897, page 210. 2p.
Teller County. Cripple Crk. Mng. Dist.
N. E. $\frac{1}{4}$ Sec. 20, Twp. 15 S., R. 69 W.

68. Annual report of the Isabella Mines Co.: Mine Managers' Reports for the year 1913, page 552. 3p.
Teller County. Cripple Crk. Mng. Dist.
Secs. 20 and 21, Twp. 15 S., R. 69 W.
Comet Flat vein.

69. Report on the Golden Cycle Mine, Teller County: Mine Managers' Reports for the year 1901, page 432. 8p. 7 maps.
Teller County. Cripple Crk. Mng. Dist.
Sec. 28, Twp. 15 S., R. 69 W.

70. Nineteenth Annual report on Portland Gold Mining Co.: Mine Managers' Reports for the year 1913, page 573. 4p.
Teller County. Cripple Crk. Mng. Dist.
Secs. 29 and 32, Twp. 15 S., R. 69 W.

71. Report on the Portland Gold Mng. Co., El Paso Co.: (now Teller Co.) Inspector of Mines' Reports for the year 1897, Vol. 2, page 270. (1894) 3p.
Teller County. Cripple Crk. Mng. Dist.
Secs. 29 and 32, Twp. 15 S., R. 69 W.

72. Report on the Portland Gold Mng. Co., El Paso Co.: (now Teller Co.) Inspector of Mines' Reports for the year 1897, Vol. 2, page 271. (1895) 3p.
Teller County. Cripple Crk. Mng. Dist.
Secs. 29 and 32, Twp. 15 S., R. 69 W.

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

Inspector of Mines' Reports for the year 1897, Vol. 2, page 272. (1896) 3p.
Teller County. Cripple Creek Mng. Dist.
Secs. 29 and 32, Twp. 15 S., R. 69 W.

74. Annual report of the El Paso Consolidated Gold Mining Co., for the fiscal year ending Dec. 31, 1905: Mine Managers' Reports, page 372. 6p.
Teller County. Cripple Crk. Mng. District
Sec. 30, Twp. 15 S., R. 69 W. El Paso
Tunnel. Chance of '94 Ajax.

75. Report on the Mt. Rosa Mining, Milling and Land Co., Teller County: Mine Managers' Reports for the year 1897, page 187. 1p.
Teller County. Cripple Creek Mining
Dist. N.W. $\frac{1}{4}$ Sec. 32, Twp. 15 S.R. 69 W.

76. Report on the Independence Extension Mng. Co., Teller County: Mine Managers' Reports for the year 1897, page 124. 2p.
Teller County. Cripple Creek Mining Dist.
N. $\frac{1}{2}$ 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 Crk. Mng. Dist.
4 miles N.W. of Cripple Creek on Bernard
Creek about 1 mile north of Rhyolite
Mountain. About Twp. 14 S., R 69 or 70 W.

78. Report of the Anchoria-Leland Mining & Milling Co.: Mine Managers' Reports for the year 1902, page 343. 3p.
Teller County. Cripple Creek Mining Dist.
Secs. 18 and 19, Twp. 15 S. R. 70 W.

79. Report on the Major-Loughrey Gold Mining & Milling Co., Teller County: Mine Managers' Reports for the year 1900, page 700 A. 2p.
Teller County. Cripple Creek Mng. Dist.
1- $1\frac{1}{2}$ miles from Cripple Creek.
S. E. $\frac{1}{4}$ Sec. 2, Twp. 15 S., R. 70 W.

80. Mine Records. Information concerning mining properties and claims gathered from the records of the Colorado State Bureau of Mines, Mine Managers' Reports and Inspector of Mines' Reports for the years 1895 to 1915. Classified by Counties and indexed. Vols.

Colorado State Mining Association.

1. Reports of the Smelter Survey Committee and Sub-Committee of the State Mining Assn. on possible available ores in the Front Range Counties. John T. Joyce, Chairman. 9p. 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. 9p. c1934. tab.
Discusses conditions in the four sections of the state. Reference to oil shale and natural gas. Production tables. Refining plants. Oil shales. Natural gasoline. Helium gas.
2. Foreword to a report on stream pollution and deaths from water-borne diseases in the State Colorado. Committee on Stream Pollution. Prepared by Robert K. Fuller. 3p. n.d.
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.

1. Official summary of certified reports of listed companies. 43 p. 1910. illus. 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.

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

1. Report on the Ottawa group of mining claims, Clear Creek County. 5p. 1907, 1919, 1922.
Clear Creek County. Lincoln Mng. 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.
Teller County. Cripple Crk. Mng. Dist. Emma Aimee and other claims.
2. Report on the Homestake-Little Caddy group. 3p. n.d.
Teller County. Cripple Crk. Mng. Dist. on Big Bull.
3. Little May Tunnel group. 2p. n.d.
Teller County. Cripple Crk. Mng. Dist. On the strike of the main Independence-Portland-Rose Nicol Cresson north and south ore zone.

Cook, W. Felder.

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

Cortellini, John C.

1. Nature has marked many fine sites for finding gold mines: The Herald Democrat, Leadville, Colo., Jan. 1, 1936. 2p.

Craig, John L.

1. Report on the Bessie Junior mining property, La Plata County, 2p. 1936. 2 maps.
La Plata County. California Mng. 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 onard in the vicinity of Shavano Mountain, Chaffee County. 2p. 1936.
Chaffee County. March Mng. Dist. Placers.

Crum, R. E., and Prommel, H. W. C.

1. Geologic report on the Escondido Anticlines, Huerfano Co., See Prommel, H.W.C., and Crum, R. E., 1.

D _____, C. W.

1. Report on the properties of the Sacramento Mining Co., together with 3 reports of the Mine Superintendent (1881, 1883) 18p. 1888.
Park County. Mosquito Mng. District
East slope of Sacramento Mountain.

Dall, Thomas A.

1. Report on the Gladiator Gold and Silver Mining Co., concerning the adjoining General Sherman mine, 15p. 1901.
Hinsdale County. Lake Mining District
3 miles south of Lake City.

Dare, C. H., and Pearce, W. G.

1. Geology and oil and gas prospects in part of eastern Colorado.
See U. S. G. S., 3

Danehy, George Welsh

1. Report on the mineral deposits at Kokomo, Tenmile District, Colo. 9p. 1934. Claim sheets and maps missing.
Summit County. Ten Mile Mng. Dist. 106° 8' - 106° 16' W. Long., 39° 22' 32" - 39° 30' 30" N. Lat. 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.

Dantziger, C. Tim

1. Reconnaissance report on the Durango Placer Gold Mng. Co. 3p. n.d. map.
La Plata County. On Animas River. Twp. 37 N., Rs. 8 and 9 W., N.M.P.M.

Dantziger, C. Tim, and Oliver, H.L.

1. Reconnaissance report on Mancos Canon Gold Inc. Mining claims in East Mancos Canon. 1p. 1935.
See Oliver, H.L. and Dantziger, C. Tim, 1.

Deems, C. W.

1. Statement concerning property of Argosy Gold Mng. & Milling Co. Maud S. and Harrison claims. 1p. 1933. map.
Gilpin Co. Russell Gulch Mining District.

Del Monte Mining and Milling Co.

1. The Del Monte Mining and Milling Co., Complainant vs. the New York and Chance Mining Co., Defendant. State of Colorado, County of Arapahoe. Affidavit of Theodore E. Schwarz, filed in the U. S. Circuit Court, District of Colorado. Sept. 17, 1894. 3p, Mineral County. Sunnyside Mining Dist,
2. The Del Monte Mining and Milling Co. vs. The New York and Chance Mining Co. Opinion on Motion for Injunction. Hallett, J. 3127. Del Monte Mining and Milling Co. vs. The New York and Chance Mining Co., filed March 13, 1895. U. S. Circuit Court, District of Colorado. 2p.
Mineral County. Sunnyside Mining Dist,

Dennison, James

1. Report on the Oro Fino group of claims, La Plata County. 1p. 1929.
La Plata County. California Mng. Dist.
Secs. 22, 26 and 35, Twp. 37 N., R. 10 W., N.M.P.M.

Denver Fire Clay Company

1. Report on refractories made for the Denver Fire Clay Company. 9p. n.d.
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. FWA Form 156. 9p. 1935.
Lake County. California Mining District.

Dittus, E. J.

1. Report on the Sheep Mountain property. 5p. 1916.
Gunnison County. Rock Creek Mng. Dist.
base of Sheep Mountain 5 miles from Marble.

Donaher, Phillip J.

1. Statement concerning the Grummer mine. 1p. 1936.
Fremont County. Cotopaxi Mng. District.
7 claims and mill site, 1 mile north of Cotopaxi.

Downer, 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 Rara 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, Redwell Basin, Gunnison County. Colo., 4p. n.d. 2 maps.
Gunnison County. Elk Mountain Mng. Dist. $6\frac{1}{2}$ miles by trail N.W. of Crested Butte. Assays by L. E. Paddison, 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 $106^{\circ} 8'$ and $106^{\circ} 16'$ of longitude west from Greenwich and the parallels $39^{\circ} 22' 30''$ and $39^{\circ} 30' 30''$ 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. map.
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.

Enrich, R. B.

1. Report on the Garmesa gas field, Garfield and Mesa Counties, western Colorado. Prepared for the Fulton Petroleum Corp. 9p. 1930.
Garfield 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.
Rio Blanco County. White River Gas Field. 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. 1p. 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.)

4. Geological report on Wood Mountain mine, Boulder County, Sugarloaf Mng. Dist. 17p. 1930.

Boulder County. Sugarloaf Mng. Dist. on southern slope of Wood Mountain, 9 mi., from Boulder. Ingram placer, Gardner P. Wood placer.

5. Preliminary report on the Grand Republic group of mines, Boulder County, Colorado. 9p. 1930.

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

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

Boulder County. Central Mng. Dist. Secs. 21, 22, 27 and 28, Twp. 1 N., R. 71 W. on Poorman Hill, 3 mi., N.W. of Boulder.

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. 9p. 1930.

Jefferson County.

Between the north fork of the South Platte and the main South Platte River. 6.1 miles from Buffalo, Colorado.

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

1. Report on the Logan group of mines of the Logan Metals Co., 3p. n.d. Supplemented by reports of A. S. Coan, 1p. n.d., W.B. Hayes, 1p. 1905, Fred A. Fair, 4p. 1917. See Chase, A. E., Fair, Fred A., and others, 1.

Fair, Fred A., and George, R. D.

1. Report on the Caribou mine, Boulder County, preceded by a summary of the report. 50p. 1919.

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.

2. Report on the Boulder County mine, Boulder County, Colorado. 14Op. 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. See George, R. D. and Fair, Fred A., 2.

Fanning, John P., and Smith, George A. Lacey.

1. A report on the oil possibilities of the Roggen Anticline, Roggen, Weld County, Twps. 1, 2 and 3 N, Rs. 61, 62 and 63 W., and Twp. 1 S., R 62 W. 5p. 1921.

Weld County. (No second copy of report)

Farish, Fred G.

1. Supplementary report on the Prussian Gold Mng. Co., Boulder County. 6p. 1913. Boulder County. Gold Hill Mng. Dist.

2. Report on the Old Kentucky Mining Company's properties, Gilpin Co. 2p. n.d.

Gilpin County. Perigo Mng. Dist. $2\frac{1}{2}$ miles N. of Central City and $1\frac{1}{2}$ miles south of the Perigo mine.

Farish, William A.

1. Report on the Springdale or Cold Rock mine of the Alcalde Gold Mining Company, Gilpin County. 4p. 1897.

Gilpin County. Russell Gulch Mng. 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 Mng. Dist. This report forms a part of the report by George, R. D. and Fair, Fred A., 2. "Exhibit H."

Fooks, Rupert J.

1. Report on the G. W. T. mine, 2p. 1936.
Clear Creek County. Idaho Springs Mng.
Dist. about 3 mi. S. of Idaho Springs.

Foster, E. I.

1. Report on the Tucker mine. 2p. n.d.
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 supple-
mentary report by Charles A. Smith, Jr.
11p. 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 Mng. District.
Sec. 19, Twp. 9 S., R. 79 W.

Fuller, Fred A.

1. Extracts from addenda report concerning
the Barnes-Gauntlet 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.

2. Report on the Kelleher group of lode
claims. 2p. n.d.
Gilpin County. Independence Mng. Dist.,
in South Moon Gulch. About $2\frac{1}{2}$ miles
southwest of Rollinsville. Twp. 2 S.,
R. 73 W.

Funk, W. A., Kaminky, John F., and

Colpitt, F.H.

1. Report on the Ottawa group of mining
claims, Clear Creek Co., 5p. 1907, 1919,
1922.
See Colpitt, F.H., Funk, W. A.,
and Kaminky, John F., 1.

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.

1. Report on the Caribou mine, Boulder County,
preceded by a summary of the report. 50p.
1919.

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. 1912.

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 in-
dustry 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.

1. Report on the Gold Pit Placer Company.
4p. n.d. 3 maps.
Clear Creek County. Grass Creek Mining
District. Daniel Aspel Placer.

Gould, Charles N.

1. Report on Black Hills Area, Las Animas
County, Colorado. 4p. 1934.
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,
22, 23 and 24. Twp. 31 S., R. 64 W. Hog-
back area, Sec. 30, Twp. 30 S., R. 64 W.

Greene, F. C.

1. Operation data, costs, etc. re: Greene-
Laucks process. 4, 3, 2, lp. 1920.
See Greene-Laucks Process.

Gross, 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.

1. Report on the property of the La Plata Gold Mining Company. La Plata County. 20p. 1910. La Plata County. California Mng. Dist. Twp. 37 N., R. 10 W., N.M.P.M. 15 miles northwest of Durango.

Harrison, Robert W., and Horn, Clifford R.

1. Report on Wellington-Fort Collins field. 12p. 1933. 2 maps. Larimer County. Wellington-Fort Collins field. Twps. 8, 9 and 10 N., Rs. 68 and 69 W. Fort Collins-Wellington Anticline. Natural gas.

Harrison, Thomas S.

1. Report on Wray Dome. Yuma County. 3p. 1924. Yuma County. Wray gas field. Drilling advised in N. W. cor. sec. 28, Twp. 2 S., R. 43 W. Black Wolf and Arikaree Anticlines.

Haynes, Justin H.

1. Travertine - one of Colorado's natural resources: Engineers' Bulletin, July, 1931. 1p. 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. 5327, 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. 1906. Gilpin County. Russell Mng. District.

Hellier, 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 Heon 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

1. Report on Polar Star Consolidated Mines, San Juan Dist. Engineer Mountain, San Juan County, Colo. 8p. 1932. 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.

1. Statement concerning the Marten estate mines, Porto Rico, Freeport, Oldenburg and Admiral Togo, with assay sheets. 1p. 1936.
Boulder County. Ward Mining District.

Hills, Victor G.

1. Report on the Creede Flat Vein. 4p. 1921.
Mineral County. Creede Mining District
Bachelor Mountain.

Holden, George B.

1. The Albion group of mines. Ward, Boulder County. 4p. n.d.
Boulder County. Snowy Range Mining District. Near Ward.

Holland, John C.

1. Industrial engineering report on Barnes group of mines and Polar Star Mill. 2p. 1933.
Gilpin County. Quartz Hill Mng. District.

Holloman, Roy

1. Report on the Timpas Dome, 3p. 1926. map.
Otero County. S. W. $\frac{1}{4}$. Twp. 26 S.,
R. 57 W.
2. Report on the Red Rock structure. 2p. n.d.
map.
Las Animas County. Twp. 29 S., Rs. 55,
56 W.

Holmes, Richard W.

1. Report on the Iron Mask group of mines.
14p. 1935.
Clear Creek County. Morris Mining Dist.
Sec. 18, Twp. 3 S., R. 73 W.

Holmes, W. H.

1. The San Juan Banket. 2p. 1908.
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. Twps. 44 and 45 N.,
R. 8 W., N.M.P.M.

Holmes, W. I.

1. Statement concerning the Mother of Gold
and Daughter of Gold lode mining claims
2p. 1935.
Boulder County. Central Mng. Dist., $1\frac{1}{2}$
miles from Jamestown.
S. W. $\frac{1}{4}$ 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.

3. The Tungsten King mines. 1p. n.d. Unsigned
report in possession of W. I. Holmes.
Boulder County. Magnolia Mining District.

4. Statement concerning the Mammoth, Britannic,
Tamor, British Empire and Prince of Wales
lode mining claims. 3p. 1935.
Boulder County. Sugarloaf Mining District.
Sec. 10, Twp. 1 N., R. 71 W., near Wall St.

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

6. Statement concerning the Colorado lode
mining claim, Survey No. 20071. 2p. 1935. map.
Boulder County. Ward Mining District.
Sec. 6, Twp. 1 N., R. 72 W. at Ward.

7. Statement concerning the Mann-Wyatt Placer
Co., 3p. 1935.
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.

9. Statement concerning the Burns lode min-
ing claim. 2p. 1935.
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. 33 and 34, Twp. 3 S., R. 72 W,
about 1 mile from Idaho Springs.

Holmes, W. I. (Cont'd.)

12. Brief report on the East Blackmore tract.
1p. 1935.
Costilla County. El Flomo Mng. 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 Dis-
trict, 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 Mng. Dist.
Sec. 35, Twp. 49 N., R. 4 E., 3 miles
from Crookston.
15. Golden Fleece Mine. 1p. n.d.
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, Adjoin-
ing Molybdenum Co. property, Climax, Lake
County. Unsigned memorandum in possession
of W.I. Holmes. 1p. n.d.
Lake County. Harrington Mng. District.
17. Statement concerning the Wyandotte-Apex
Gold Mining Co. 2p. 1935.
Park County. Buckskin Mng. 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 Francomb
Hill. 7p. n.d.
Summit County. Gold Run District.

Homes, E. L.

1. Report on Paymaster group of mines made
in 1902. 3p. 1902.
Summit County. Snake River Mng. Dist.
Near Argentine Pass, southern slope of
Gray's Peak.

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.

Horn, R.C.

1. White River gas and oil are attracting
attention of world to this section; Grand
Junction Daily News (Colo.) Oct. 3, 1920.
3p. Rio Blanco Co. White River gas field.

Hoskin, Arthur J.

1. Report on the Lloyd group. 6p. n.d. 2 maps.
Ouray County. Imogene Basin Mining District,
about 3-3/4 miles from Ouray.
Western slope of Hayden Mountain.

Humboldt Consolidated Mining Company.

1. Extracts from prospectus filed by Humboldt
Consolidated Mng. Co. Nov. 23, 1935.
Properties in Clear Creek County. 5p. 1935.
Clear Creek County. Chicago Creek-Ute
Creek Mng. 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. 8p. 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. 1929. (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 Gelisel (using Averyite or other clays)

Iron Silver Mining Company.

1. Report of the Iron Silver Mng. Co. for the year 1915. George O. Argall, Treas. 5p. 1916.

Lake County. California Mng. Dist. Moyer mine; Tucson mine; Blind Tom mine.

Proserpine and Cumberland lode claims.

Sur. 5214. Nisi Prius Consolidated Mng.

Co. New Marian Consolidated Mng. Co.

Devlin. R. A. M., Cyclone lodes.

2. Letter to the Executive Committee submitting plans for remodeling the concentrating mill. June 24, 1899. 3p. Theodore E. Schwarz.

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. Schwarz.

Lake County. California Mng. Dist. Sec. 30, Twp. 9 S., R. 79 W.

Moyer and Tucson shafts.

Jenks, William

1. Report on the North Park and Vandalia Mng. and Smelting Company's property at Teller City, Grand County. 8p. 1883.

Grand County. Grand Lake Mng. District Southeast corner of North Park.

Jenners, Walter B.

1. Report on the Lotus group of mines. 9p. 1908.

Gilpin County. Russell Gulch Mng. 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.

1. Report on Idaho Tunnel in Clear Creek County. 2p. 1934.

Clear Creek County. Idaho Springs Mining District.

2. Mining in Colorado is now on the upgrade: Herald Democrat, Leadville, Colo. Jan. 1, 1935 2p.

Juhan, Joe L.

1. Report on Sheep Mountain Tunnel. 4p. n.d. Gunnison County. Rock Creek Mng. Dist. At Crystal, 6 mi. southeast of Marble.

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

1. Report on the Ottawa group of mining claims, Clear Creek County, Colorado. 5p. 1907, 1919, 1922.

See Colpitt, F. H., Funk, W. A., and Kaminky, John F., 1.

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 leases discussed. Baxter Prospect - Sec. 30, Twp. 20, R. 63 W.

Kellogg, A. W.

1. Report on the Lexington group of mines, with record of shipments. 8p. 1892, 1899. Clear Creek County. Gold Dirt Mng. Dist. $2\frac{1}{2}$ miles south of Idaho Springs. With this is bound a report by Frank S. Winsor.

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 Mng. Dist. Twps. 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.R.

1. Report on the properties of the Hamilton Gold Mining & Milling Co., in the Jo Davis Mng. Dist. Summit County, Colorado. 3p. 1901. Summit County. Jo Davis Mng. District.

Kleff, J.M.

1. Report on Canterbury Tunnel. 2p. 1928. Lake County. California Mining Dist. Mine drainage.

Kleff, J.M.

2. Drainage tunnel would restore prosperity here: Herald Democrat, Leadville, Colo. Jan. 1, 1935. 2p. Lake County. California Mng. District.

Knight, D. A.

1. Report on the Mattie Consolidated Mines, Inc. 13p. 1931. map. Clear Creek County. Idaho Springs Mining Dist. $2\frac{1}{2}$ miles W. of Idaho Springs.

2. Report on the McAllister mine. 7p. n.d. Gilpin County. Central City Mng. Dist.

Knowles, S. A.

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

Lakes, Arthur

1. Natural gas in Colorado: Mines and Minerals, Vol. 18, 1899. p. 340. 1p. Rio Blanco County. White River. Gas field 20 miles west of Meeker.
2. Fuel resources of Colorado: American Geologist, vol. 8, 1891. pp. 15-16. Rio Blanco County. White River Field 20 miles west of Meeker.

Lanzendorf, William

1. Statement submitted by William Lanzendorf concerning the L. & S. claims N. 1 and No. 2, located in Green's Gulch. 2p. 1936. 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,

Laucks, 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.

1. Divide Creek Anticline, Garfield and Mesa Counties, Colo. Geology by V.C. Perini, Jr. and Charles S. Lavington, assisted by James Duce, State Inspector of Oils.

See Perini, Jr., V. C., and Lavington, Charles S., 1.

Leahy, J.M.

1. Statement concerning the Loyal group of lode and vein mining claims. 1p. 1936. Pitkin County. Columbia Mng. District. About 12 miles from Aspen.

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.

Continuity of formations in western Colorado and eastern Utah. Willis T. Lee. 41p. 1926. 5 maps. 13,908 Dept. of the Interior. Colorado. See U. S. G. S., 33.

Le Maistre, H.

1. Report on The Trenton-Jefferson City mining claims. Upper Union Mining Dist. Clear Creek County, together with statement concerning property, by Louis Wagner. 5p. n.d. 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. 5p. 1928.
San Miguel County. Upper San Miguel Mng. 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 Mng. Dist. The Lone Wolf Mines, are a relocation of former Kittimac Mines, in North Fork of Minnie Creek.

Lowrie, Jr., H. W.

1. Geologic report on the Rock Canon Anticline, Pueblo County, Colorado. 3p. 1917. map.
Pueblo County. Rock Canon Anticline. Black Oil Mining & Development Co.
Twps. 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. 9p. 1935.
Saguache County. Baca Ranch No. 4, San Luis Valley, partly on the western slope of the Sangre de Cristo Range.

Lupton, Charles T.

1. Derby Structure, Adams Co., 17p. 1933.
3 maps.
Adams County. Twps. 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.

1. Geologic report on the Sunday Mine and associated claims, with assay sheet. 4p. 1934.
Ouray County. South Fork of Dexter Creek about 4 miles from Ouray.

Marchington, Clarence

1. Report on the Seaton-Hayden group of mines, Clear Creek Co. 4p. 1936. map.
Clear Creek Co. Idaho Mng. District, $2\frac{1}{2}$ miles north of Idaho Springs on Seaton Mountain.

Marks, John H.

1. A review, compiled from reports on the Consolidated holdings of Sternberger Bros., on the Pennsylvania Mining, Power and Reduction Co., Lucania Mines and Tunnel Co., Lotus group of mines, Para Avis mine, et al. by John H. Marks. 7p. 1919.
Clear Creek and Gilpin Counties.
2. Report on mining property of C.M. Gere, et al., the Cold Coin Mng. Syndicate, Manhattan Mng. District, Larimer County. 2p. 1935. 3 maps.
Larimer County. Manhattan Mng. 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 M. Finnie) 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 Fourmile Placer Dist., Moffat Co. 9p. 1915.
Moffat County. Fourmile Mining District. Twps. 8, 9, 10, 11 and 12 N., Rs. 91, 92, 93 and 94 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

1. Report on the Gold Anchor group of mines, Pioneer Mng. Dist., Dolores Co. 8p. 1925.
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 Bull, #1838 Legal Tender.

Martin, R.L.

1. Report on Grange mine. 2p. n.d. with copy of prospectus. 1p. 1915.
Boulder County. Gold Hill Mng. District.
3-1/2 miles from Salina.

Martin, Samuel G.

1. Treasure Mountain Mines, Inc. 16p. 1927.
San Juan County. Eureka Mng. District.

Martine, W.J.

1. Report on the Iron Chest group of claims, in the Trout Creek Mng. Dist., Chaffee County: 2p. 1936. 2 maps.
Chaffee County. Trout Creek Mng. Dist.
16 miles east of Buena Vista.
2. Report on the Ophir lode mining claims. 2p. 1929.
Custer County. Hardscrabble Mng. Dist.
6 miles southeast of Westcliff.
3. Report on the Cotopaxi group of mines. 4p. 1903.
Fremont County. Cotopaxi Mng. Dist. North North 10 degrees west of the station of Cotopaxi.
4. Report on vermiculite property in Fremont County. 2p. 1934.
Fremont County. Gem Mng. Dist. 15 miles from Westcliff. E. $\frac{1}{2}$ of S. W. $\frac{1}{4}$ and W. $\frac{1}{2}$ of S. W. $\frac{1}{4}$, Sec. 33, Twp. 20 S., R. 73 W.
5. Report on the Gold Basin group of mining claims, 2p. 1932. map.
Gilpin County. Gamble Gulch Mng. Dist.
4-1/2 miles S. of Rollinsville Gamble Gulch.
6. Report on the Dew Drop mining claims. 2p. n.d.
Gilpin County. Perigo Mng. District.
Northeast flank of Tip Top Mountain.
Gamble Gulch.
7. Report on the Grand Union group of claims. 2p. n.d.
Gilpin County. Pine Mng. Dist. 2 miles west of Rollinsville.
8. Report on the Skyline Mng. Co. property 3p. n.d.

Martine, W.J.

8. (Cont'd.)
Gunnison County. Rock Crk. Mng. Dist.
N.W. flank of Treasury Mountain $3\frac{1}{2}$ miles from Marble.
9. Report on the Hinsdale Mng. Company's Properties. 3p. 1929.
Hinsdale County. Needle Mountain Mng. Dist. 24 mi. north of Bayfield at north end of Box Canon.
10. Report on Criterion property. 6p. n.d.
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. Mikesell and assay sheets. 12p. 1926.
Gilpin County. Central City-Blackhawk Mining Districts.
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.

1. Report on the Mineral Chief mine and group. 4p. n.d.
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. Twp. 4 and 5 S., Rs. 63 and 64 W.

(Continued on page 25.)

McCain, Frank O.

1. (Cont'd.)

Hill's Dome Well Log, center of S.E.
 $\frac{1}{4}$ of S. E. $\frac{1}{4}$ 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 - 19p. 1936. map.
 La Plata County. California Mng. 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 Mng. 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.

McClave, 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.

McCloin, 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.: Mines Magazine, vol. 25, Oct. 1935 pp. 49-52.
 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.1.

McFadden, George B.

1. Statement and opinion relating to the Iron Mask group of mines. 2p. 1935.
 Clear Creek County. Morris Mng. 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 J. W. Clark (1936) 4p. 1935. map.
 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.
 Twps. 2 and 3., Rs. 101 and 102 W.
 Helman Permit: E $\frac{1}{2}$, N. E. $\frac{1}{4}$ N. E. $\frac{1}{4}$.
 Sec. 6; N. E. $\frac{1}{4}$ Sec. 8; N. W. $\frac{1}{4}$ 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 Perigo.

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. 78 W.

Meeker, Herald

1. Gasoline from natural gas on the White River Dome: Meeker Herald, Feb. 2, 1918. 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, Colo. Feb. 1, 1931. 6p. 1931.
 Chemist of the Colorado Fuel & Iron Co.

Miller, Thomas Rude.

1. Report on the Uncompahgre Placer. 3p. 1911.
Ouray County. At Ridgeway, Colorado.

Miller, William J.H.

1. Statement of the Moose Mine estate.
(The Moose Mine group and also the W. $\frac{1}{2}$ of the W. $\frac{1}{2}$ of Sec. 1, the E. $\frac{1}{2}$ of the E. $\frac{1}{2}$ of Sec. 2, Twp. 9 S., R. 78 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 Crk. Mng. 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 Goldfield, Secs. 28 and 29, Twp. 15 S., R. 69 W.

Mine Records

See Colorado State Bureau of Mines, 80.

Mitchell, A. J.

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

Murray, C. Richard

1. Geology and ore deposits of the adit tunnel and Columbia mine, Ward, Colorado. 13p. 1934. 3 maps.
Boulder County. Ward Mining District $\frac{1}{2}$ 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:	Page
Almont & Taylor River	1
Crested Butte	1
Elk Mt. Mining Dist.	2
Ruby Mining Dist.	3
Rock Creek Mining Dist.	3
Vulcan or Domingo Dist.	5
Cochetopa Mining Dist.	6
Box Canon Mining Dist.	7,10
White Pine	8
Gold Creek, Ohio City	8
Quarz Creek	10
Copper Mt. Tunnel	11
Oryx Marble Quarry, near Pitkin	14
Tin Cup Mining Dist.	14

2. Metals and minerals of Gunnison Co, 6p. n.d.

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

1. Report on the Lucky Roy group of mines. 4p. 1934. map.
Gunnison County. Rock Creek Mng. Dist. $\frac{1}{2}$ mile from Crystal and 5 miles east of Marble, south slope of Sheep Mountain.
2. Report on the Lead King mine and group. 6p. 1935. map.
Gunnison County. Rock Creek Mining Dist. 7 miles east of Marble.

Naugebauer, Karl E.

1. Report on the Sky City mining property. 3p. n.d.
Saguache County. Sec. 2, Twp. 2 N., 3 E., N.M.P.M. 25 miles north of South Fork, Rio Grande County.
2. Report on the Green Mountain Mine located in Sec. 27, Twp. 2A S., R. 72 W. 2p. 1936.
Fremont Co. Royal George Mng. Dist.

News Champion.

1. The Tungsten and Molybdenum Districts of Gunnison County. 3p. n.d.
Gunnison County. Tin Cup and Quartz Creek Mng. Districts, tungsten-hubnerite.

Nicholson, H.H.

1. Report on the properties of the Hamilton Gold Mining & Milling Co., in the Jo Davis Mining Dist., Summit County, Colorado, by H.H. Nicholson, with a letter from O.B. Amsden. 12p. 1901.
Summit County. Jo Davis Mng. District.

Noon, Bernard

1. Report on the Bear Mountain group of Mng. claims. 6p. 1928. (maps missing).
Gunnison County. Rock Creek Mng. Dist.
At Crystal, 6 miles from Marble.
2. Report on the Sheep Mountain Tunnel project. 12p. 1919.
Gunnison County. Rock Creek Mng. Dist.
At Crystal, 6 miles from Marble.

Oliver, H.L., and Dantziger, C. Tim

1. Reconnaissance report on Mancos Canon Gold, inc. Mining claims in East Mancos Canon. 1p. 1935.
Montezuma County. California Mng. Dist.
La Plata Mountains.

Ophir Gold Mines & Reduction Co.

1. Data re: Ophir Gold Mines & Reduction Company properties located in Iron Springs Mining District, San Miguel County, Colo. 5p. n.d. 2 maps.
San Miguel County. Iron Springs Mng. Dist. Along Ophir Creek, 2.7 miles from Ophir Loop.

Osborne, Clarence B.

1. Report on the Walker Hill Anticline. 4p. 1920. map.
Lincoln and Crowley Counties. Walker Hill Anticline: S. W. part of Twp. 17 S., R. 57 W., the S. E. cor. Twp. 17 S., R. 58 W., the N. E. cor. Twp. 18 S., R. 58 W., and the N. W. cor. Twp. 18 S., R. 57 W., 25 miles north of Ordway.
Water well data.

Osborne, Elbert Franklin, and Rainwater, Edward Harriman.

1. Geology of the Calumet, Colo. Mng. Dist.

Osborne, Elbert Franklin, and Rainwater, Edward Harriman

1. (Cont'd.)
A thesis submitted to the Graduate School (Northwestern University) in partial fulfillment of the requirements for the degree, Master of Arts, Department of Geology and Geography. Evanston, Illinois. IV, 53p. June, 1934. 5 maps.
Chaffee County. Calumet Mng. District, north of Turret.

Park, Allen S.

1. Colorado now produces travertine: Compressed Air Magazine, November, 1930. 3p. illus.
Chaffee County.

Park, Stark O.

1. Report on the Oro Negro group of mining claims, La Plata County, Colo. 2p. 1932. map.
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.

1. Report on the John Jay mine, of the Acme Mining and Milling Co. 6p. c1936. map. 1p. illus.
Boulder County. Central Mng. District. Near Jamestown.

Paul, W. H.

1. Report on the Ezra R. mine of the Mineral Production Co., near Silverton, Colorado. 12p. 1924. 2 maps.
San Juan County. Las Animas Mng. Dist. Arastra Gulch, 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 28)

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., 1. Jenners, Walter B., 1. Marks, John H., 1. and Sadtler, Benjamin, 1.

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

1. Divide Creek Anticline, Garfield and Mesa Counties, Colo. Geology by V. C. Perini, Jr. and Charles S. Iavington, assisted by James Duce, 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.

Petar, A. V.

1. Information circular (6720) Vermiculite. See Sharer, Edward C., 1.

Pinkley, 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. 68 W.

Place, Richard G.

1. Radium in Boulder County. 1p. 1936.
Boulder County. Central Mng. District. Near Jamestown.

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.
2. Report on the Ray Patterson well of the Platte Valley Petroleum Corporation, Weld County, Colorado. 3p. 1929. Weld County. Greasewood field. N. W. $\frac{1}{4}$ of the S. W. $\frac{1}{4}$ of the N. E $\frac{1}{4}$ of Sec. 26, Twp. 6 N., R. 61 W.
3. Geologic report on the vicinity of Kit Carson, Cheneyye County, Colo. 6p. 1918 map. Cheneyye County. Twps. 12 to 16 S., Rs. 46 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.
6. Geology and structure of the Badito-Alamo region. Huerfano County, Colorado. 13p. 1927. 2 maps. Huerfano County. Twps. 26, 27, 28 S., Rs. 67, 68, 69 W.
7. Report on the Emancipation mine, Boulder County, Colorado. 7p. 1929. 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.
9. Report on the Whopper, Teller and adjoining mining claims, Rock Creek Mng. District, Gunnison County, Colo. 12p. 2 maps. Gunnison County. Rock Crk. Mng. Dist. Sec. 36, Twps. 11 and 12 S. Rs. 86 and 87 W. 9 miles south of Marble.

Prommel, H. W. C. (Cont'd.)

10. Opportunities on the Western Slope. 5p. 1930.

Gunnison County.

This paper is a general discussion of Petroleum and Mineral resources of the western part of the state, with special attention to the mineral resources of Gunnison County.

11. Reconnaissance investigation of the High-lard and adjoining mining claims, Idaho Springs District, Clear Creek County, Colo. 1 - 3p. 1929.

Clear Creek County, Idaho Springs Mining District.

Prommel, H. W. C., and Crum, R. E.

1. Geologic report on the Escondido Anticlines, Huerfano County, Colo. 4p. 1927. map.

Huerfano County. Twp. 20 S., Rs. 67 and 68 W., about 10 miles northwest of Walsenburg. Escondido Anticlines.

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 Mng. District.

Radium Company of Colorado.

1. Mining report by Production Manager and Superintendent of Mines. 24p. 1922.

Montrose County. Rock Creek Mng. Dist.

Rainbow Gold Mines Company.

1. Referring to the Requa Savage mine on Beacon Hill in the Cripple Creek Dist., owned outright by the Rainbow Gold Mines Company. 2p. n.d.

Teller County. Cripple Creek Mng. Dist.

Rainwater, Edward Harriman, and

Osborne, Elbert Franklin

1. Geology of the Calumet, Colorado Mining District. A. thesis.

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

Randell, B. F.

1. Partial report on the Grange mine in Boulder County, Colo. 5p. n.d. map.

Boulder County. Gold Hill Mng. Dist. 4 miles from Salina.

Rank, Samuel A.

1. Report on the Barnes group of mines.

Production report. 7p. c1902.

Gilpin County. Illingis Central Mining District. At Central City.

Reed, J. R. *

1. Report on the Gold Nugget group in S. W. $\frac{1}{4}$, Sec. 12, Twp. 37 N., R. 9W., N.M.P.M. 2p. 1936. 2 maps.

La Plata County. California Mng. Dist.

On ridge or water shed of the headwaters of the Middle Fork of the Hermosa River.

*R. 10 seems more likely to be correct.

2. Statement concerning the Wayt & Myers group of mining claims situated in Boren Gulch, La Plata County, Colo. 2p. 1936. map.

La Plata County. California Mng. Dist.

Between Lily Bell and Tomahawk mines.

Secs. 28, 30, Twp. 37 N., Secs. 3 and 4, Twp. 36 N., R. 11 W., N.M.P.M.

3. Report on the Mason Milling and Mining Co.

La Plata County, Colo. 4 - 5p. 1936. map.

La Plata County. California Mng. District.

In a small canon between Falls Creek and

Tripp Gulch. $2\frac{1}{2}$ miles west of Trumble

Springs. Secs. 7, 8 and 9, Twp. 36 N.,

R. 9 W, N.M.P.M.

4. Report on the Lucky Discovery Mine Company,

La Plata County, Colo. 3p. 2 maps. 1936.

La Plata County. California Mng. Dist.

Secs. 17 and 18, Twp. 36 N., 11 W, N.M.P.M.

South and East side of Root Gulch.

5. Report on the May Day Extension Group,

La Plata County, Colorado. 2p. 1936.

La Plata County. California Mng. District.

Sec. 27, Twp. 36 N., R. 11 W., N.M.P.M.

Snow Slide Gulch. "Gustas Brothers Mine"

6. Report on the Cumberland Mine, in Cumberland

Basin, La Plata County, Colo. 2p. 1936.

La Plata County. California Mng. Dist.

Sec. 24, Twp. 37 N., R. 11 W., N.M.P.M.

7. Report on the Western View mining group,

La Plata County, Colo. 5p. 1936. map.

La Plata County. California Mining Dist-

riect. Secs. 30 and 31, Twp. 36 N., R. 11 W,

N.M.P.M.

* Project Field Investigator.

Reed, J.R. (Cont'd.)

8. Report on Columbus Mines Company, La Plata County, Colo. Lucky Boy. Last Chance, Moonlight, etc. 3p. 1936. La Plata County. California Mng. 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.

1. Report on the Caribou Mine. 1877. Boulder County. Grand Island Mng. 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 Mng. Dist. This report forms a part of the report by George, R. D., and Fair, Fred A., 2. "Exhibit E"

Rickard, Forbes

1. Saratoga Gold Mines, Inc. Inspection trip August 28, 1931, with extracts from a prospectus entitled "Official Report on Saratoga Group of Mines comprising Nineteen Patented Claims in Russell Gulch, Gilpin County, Colo." 3 - 4p. 1931. 2 maps. Gilpin County. Russell Gulch Mng. Dist.

Rickard, T. A.

1. Report on the Golden Fleece mine. 2p. 1904. Hinsdale County. Lake Mining District.

Riland, James L.

1. Mineral resources of Rio Blanco County, Colorado. 13p. 1936. map. Rio Blanco County.

Ritter, Etienne A.

1. Report on the properties of the American Fluorspar Corporation, with additional remarks by O.K. Burger. 15p. 1934. 5 maps. 4p. illus. Chaffee County. Browns Canon Mining Dist. E. $\frac{1}{2}$ 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. Costilla County. Plomo Mng. Dist. About 16 mi. S. E. of Fort Garland. 325 acres in Twp. 32 S., R. 71 W. in the Trinchera Estate.

Ritter, Etienne A. (Cont'd.)

3. Report on the properties of the Santa Eulalia Mines Co., Eagle County, Colorado. 6p. 1923. 2 maps. Eagle County. Wilkinson Mng. District. Twp. 5 S., R. 79 W.
 4. Report on the three groups of mining properties known as the North Pole, the Carbonate-Bon-Ton and the Harris and Farley. 8p. 1935. map. 5p. illus. Gunnison County. Rock Creek Mng. Dist. Northeasterly slope of Treasury Mountain at Crystal.
 5. Report on the Aspen-Riverside mining group, Gunnison County, Rock Creek Mng. Dist. 6p. 1928. 2 maps. 6p. illus. Gunnison County. Rock Creek Mng. District. Adjoining the town of Crystal.
 6. Report on the Morning Star, David H. and Whitepine mining properties, located in the Tomichi or Whitepine Mng. Dist. Gunnison County, Colo. 10p. 1933. 9 maps. Gunnison County. Whitepine Mng. District.
 7. Report on the Durango Girl Mine of the Durango Girl Mine of the Durango Girl Gold Mining and Milling Co., contained in a prospectus of the Company. 6p. 1904. La Plata County. California Mining District. About 13 miles northwest of Durango, at headwaters of Junction Creek.
 8. Report on the Morning Star-Creskill mining property, Alma Mng. Dist., Park County, Colo. 4p. 1926. map. Park County. Alma Mng. Dist. Eastern slope of South Mt. Bross.
 9. Report on the C.O.D. mine located in the Cripple Creek Dist., Colo. 7p. n.d. Teller County. Cripple Creek Mng. District.
 10. Report on the Lady Eleanora Consolidated Gold Mines Company, La Plata, Colo. 10p. 1930. La Plata County. California Mng. 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.
1. Report on the Boulder Valley mine. Boulder Valley & Golden Key claims. 3p. n.d. Boulder County. Gold Hill Mng. Dist. On the ridge between Ingram and Emancipation gulches.

Fohlfind, D. P.

1. Aspen's silver mines: Mines Magazine, Vol. 25, October, 1935. pp 29-34.
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 W. and Secs. 6, 7, 8, Twp. 11 S., R. 82 W. East flank of Independence Mountain and east 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 Twps. 17 and 18 S., R 56 W.

Root, Jr., A. P.

1. Report on the Jewel Mng. Co., claims, La Plata County, Colo. 3p. 1934. map.
La Plata County. California Mng. 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.M.

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., Rs. 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 Mng. District. Secs. 21 and 23, Twp. 9 S., R. 79 W.

Rule, Wm. M.

1. Report on the Finch group of mines, situated in Magnolia Mining District,

Rule, Wm. M.

1. (Cont'd.)

Boulder County, Colorado, with memorandum by D.L. Finch (1910). 5p. 1890.
Boulder County. Magnolia Mining District. Located at Eagle Rock.

Russell, William C.

1. Report on Caribou property. 1916.
Boulder County. Grand Island Mng. Dist. This forms a part of the report by George, R. D., and Fair, Fred A., 2. "Exhibit D"

Russell, William G.

1. Commercial possibilities of Oil Shale industry in America and this section are unlimited: Grand Junction Daily News (Colo.) Oct. 5, 1920. 1p.
Mesa County. De Beque field.
Garfield County. Grand Valley field.
Oil shale.

Sadtler, Benjamin

1. Report on the property of the Pennsylvania Mining Company. 10p. 1898.
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 - 18p. 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 Colorado oil shale. 20 - 67p. (Al-Tl). n.d.
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 Mng. Dist. 2 1/2 miles Southwest of Alma on the Copper Gulch Fault.

Schooley, F.L.

1. Report on the Mammoth mine. 1p. 1934.
Boulder County. Sugarloaf Mining Dist.
Sec. 18, Twp. 1 N., R. 71 W., near Wall Street.

2. Report on the Iron Mask Gold Mines, Inc.
3p. 1934.
Clear Creek County. Morris Mng. District.
Above the town of Lawson.

Schwarz, Theodore E.

1. Report on the Bellman and Amazon lodes,
Virginia Canon. 2p. 1879.
Clear Creek County. Idaho Mng. District.
Sec. 22, Twp. 3 S., R. 73 W.
Virginia Canon.

2. Report on the Orphan Boy Consolidated Mng.
Company on their property at Alma, Park
County, Colo. Sept. 15, 1895 with a Supple-
mentary report of Dec. 14, 1896. 11 - 4p.
1896.

Park County. Mosquito Mng. Dist. On
southeastern slope of Loveland Mountain,
on the north side of Mosquito Creek, $2\frac{1}{2}$
miles west of Alma.

Sec. 10, Twp. 9 S., R. 67 W.

3. Magnetic separation with special reference
to James W. Neill's patent (zinc ores). 7p.
n. d. Unsigned. From the files of
Theodore E. Schwarz.

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

5. Report on the property of the Four Mile
Gulch Mng. Co. 6p. 1904, with a supplement-
ary report. 4p. 1906. 10p.
Clear Creek County. Enterprise Mng. 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 Mng. Dist. Western
slope of New York Mountain. Sec. 19,
Twp. 6 S., R. 82 W.

Schwarz, Theodore E.

8. Report on the property of the Hubert Mng,
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 Mng. 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-Last 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 Mng. 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.

11. Report on the properties of the Hilda Mng.
Co., in the Horseshoe Mng. 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. 78 W.

12. Report on the Placer properties proposed
to be consolidated as the Gold Run. Con-
solidated as the Gold Run Consolidated Mng.
Company. 8p. 1880.

Summit County. Union Mng. 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. Bevan Mng. Dist. On Mineral
Hill, on the north side of French Gulch.
 $2\frac{1}{2}$ miles from Breckenridge. Sec. 33,
Twp. 6 S., R. 77 W.

14. Report on the properties of the Golden Rod
Mng. & Milling Co., in Teller County, Colo.
7p. 1902. (Cont'd. on page 33.)

Schwarz, Theodore E.

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 Sac 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 Sac and Fox. #260 Dunraven.
16. Report on the Morning Star mine. 4p. 1906. Boulder County. Ward Mng. Dist., 2 miles east of Ward. Sec. 5, Twp. 1 N., R. 72 W. Emilina, Morning Star, and Evening Star 11848.
17. Report on the Melvina property, Boulder County, Colo. 3p. 1897. Unsigned. Boulder County. Ward Mng. Dist. Sec. 13, Twp. 1 N., R. 73 W.
18. Report on the Boulder County Mine. 4 - 2p. 1880. Boulder County. Grand Island Mng. Dist. Secs. 8, 9 and 10, Twp. 1 S., R. 73 W.
19. Report on the property of the Colorado Diamond Tunnel Silver Mng. Co. 3p. 1881. map. Clear Creek County. Griffith Mng. Dist. Cherokee Gulch and on Sherman and Republican Mountains, above the town of Silver Plume. Sec. 13, Twp. 4 S., R. 75 W.
20. Report on the property of the consolidated Pay Rock Mng. Co. 12p. 1881. Clear Creek County. Griffith Mng. Dist. Sec. 13, Twp. 4 S., R. 75 W. On the southern slope of Republican Mountain, above the town of Silver Plume.
21. Report as to the prospects (Iron Cap and Copper Prince) examined near Cotopaxi, Colo. 2p. 1906. Unsigned. Fremont County. Cotopaxi Mining Dist.
22. Report on the Powers mine in Willis Gulch, near its junction with Russell Gulch, Gilpin County, Colorado. 8p. 1907. unsigned. Gilpin County. Russell Mng. Dist. Sec. 38 Twp. 3 S., R. 72 W. Powers #550.
23. Report on the property of the Town Topics Mng. Co., East Notaway Lode Nos. 136 and 328, Gilpin County, Colo. 5p. 1902. Unsigned. From the file of Theodore E. Schwarz. Gilpin County. Lake Mng. Dist. Sec. 18, Twp. 3 S., R. 72 W.
24. Report on the 1841 Silent Friend mine at Quartz, Gunnison County, Colo. 2p. 1883. Unsigned. Gunnison County. Quartz Mng. District. Upon Terrible Mountain, about 2 miles from Quartz. Sec. 26, Twp. 51 N., R. 4 E., N.M.P.M.
25. Monthly reports from March to December, 1906, on the condition of the property of the Iron Silver Mining Company. 27p. 1906. Unsigned. From the file of Theodore E. Schwarz. Lake County. California Mng. District. Sec. 30, Twp. 9 S., R. 79 W. Moyer and Tucson shafts.
26. Report on the property of the Morocco Mng. Company at Leadville, Colo. 7p. 1902. Unsigned. Lake County. California Mng. District. At south end of Harrison Avenue. Sec. 25, Twp. 9 S., R. 80 W.
27. Report on the property of the Big Evans Mng. Company, Lake County, Colorado. 2 - 1p. 1901. Lake County. California Mng. District. Evans Gulch, just above its junction with the Arkansas River, and on the northern limit of the town of Leadville.
28. Report on the Alicante mine and adjoining developments on the John Reed. 8p. 1897. Lake County. Alicante Mining District on the head waters of the Arkansas River.
29. Report on the "S.S." group of claims and the "Arlington" group, Park County, Colo. 5p. 1897, Unsigned. Park County. Horseshoe Mng. Dist. East slope of Peerless Mountain, between Sheridan Mountain and Horseshoe Mountain, on the east slope of the Mosquito Range. "S.S." group about 1-1/2 miles south of the "Arlington" group.

Schwarz, Theodore E. (Cont'd.)

30. Report on the Iron properties of Samuel Cohen on Silverheels Mountain. 9p. 1897. Unsigned.
Park County. Beaver Creek Mng. 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 Mng. Dist. Sec. 18, Twp. 9 S., R. 78 W.
London Fault on Pennsylvania Mountain some 4,000 feet northeasterly of the eastern limit of the group.
32. Report on the Denver City property, Saguache County, Colo. 5p. 1906. Unsigned.
Saguache County. Cochetopa Mng. 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.
33. Report on the Alleghany group of mining claims. 14p. 1894. Unsigned. From files of T. E. Schwarz.
San Miguel County. San Miguel Mng. Dist.
Just east of the town of Telluride.
Monon.
Alleghany
D. & L.
Alleghany 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 Mng. Dist., Summit County, Colorado, made by Yeaman & Parsons, Attorneys at Law, for Theodore E. Schwarz. 7p. 1891.
Summit County. Snake River Mng. District.
Sec. 35, Twp. 5 S., R. 76 W. Tiger Extension #744. Tiger #1506.
St. Cloud #1505.
35. Report on the property of the Bonaccord Gold Mining & Milling Company at Empire. 4p. 1899.
Clear Creek County. Upper Union Mining District.
36. Report on the Andrews lode. 5p. 1879.
Clear Crk. County. Argentine Mng. Dist.

37. Report on the Genesee-Vanderbilt Mng. Company property. 8p. 1890.
San Juan County. Red Mountain Mng. Dist.
Secs. 12 and 13, Twp. 42 N., R. 8 W. N.M.P.M.

38. Report for the year ending Sept. 1, 1893 on the Genesee- Vanderbilt Mining Company property. 4p. 1893.
San Juan County. Red Mountain Mng. Dist.
Secs. 12 and 13, Twp. 42 N., R. 8 W. N.M.P.M.

Scofield, C. A.

1. Report on the Alaska Mining & Milling Co., with letter of C. D. Judson (1934). 5p. n.d.
Boulder County. Ward Mining Dist.
Puzzler Hill, 2 miles from Ward.

Stauffer, W. L.

1. Report on the Alice mine. 3p. 1933. 3 maps.
Clear Creek County. Alice Mng. 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 Mng. Dist.
9 claims. Hillside group. 166.453 acres.
Sec. 33, Twp. 20 S., R. 73 W.
Custer County. Hardscrabble Mng. Dist.
15 claims. Dead Mule Gulch group.
289.24 acres. Secs. 6, 7 and 18, Twp. 21 S., R. 71 W. and Secs. 12 and 18, Twp. 21 S., R. 72 W.
Engineer's report by J.M. Broan, 1934.

Sharron, J. G.

1. Notes on titanium ores in Colorado, from report to the International Development & Exploration Company. 6p. 1928.
Boulder County. Caribou Mng. Dist. 3 miles N. W. of Cardinal, magnetite, ilmenite.
Gunnison County. Cebolla Mng. Dist. East side of Cebolla Creek, 26 miles from Gunnison City, ilmenite more than 50%.
Fremont County. Grape Creek Mng. Dist. 12 miles S. W. of Canon City, 15 miles N. Silver Cliff.

Shaw, William R.

1. Report on Single Jack group. 1p. n.d.
Pitkin County. Columbia Mng. District.
Conundrum and Cataract Creeks. Molybdenum.

Shuman, P.J.

1. Railroad Boy group of mines, Boulder, County, Colo., with statement of ore shipments, 1884-1888. 9p. n.d. map.
Boulder County. Gold Hill Mng. District at Salina.

Smith, Charles A.

1. Report on the Freeland mine, 3p. 1933.
Clear Creek County. Dumont Mng. Dist.
 $\frac{1}{2}$ mile east of Dumont to top of Alps Mountain.

Smith, Jr., Charles A., and Foster, Ernest Le Neve.

1. Report on the Neath mine, with assays, by Ernest Le Neve Foster, 1906, and a supplementary report by Charles A. Smith, Jr. 11p. 1932. 2 maps.
See Foster, Ernest Le Neve, and Smith, Jr., Charles A., 1.

Smith, George A. Lacey, and Fanning, John P.

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

Smith, J.N.

1. Report on the Fair Count group of mines, Boulder County, Colo. 3p. 1920. map.
Boulder County. Sugarloaf Mng. District.
12 miles by highway west of Boulder.

Smith, John R.

1. Report on the Humboldt-Pocahontas mines. 6p. c1920.
Custer County. Hardscrabble Mng. Dist.
S. W. $\frac{1}{4}$ Sec. 28, Twp. 22 S., R. 71 W., southwest slope of Lucille Mountain, near Rosita.

Smith, Warren J.

1. Report on the Gary-Allen mine. 1p. 1936.
Boulder County. Gold Hill Mng. Dist.
Sec. 8, Twp. 1 N., R. 71 W. About 2 miles northeast of Salina.

Southern Colorado Power Company.

1. Drainage project, Cripple Creek Mng. Dist. investigation by W.J. Kyle, Byllesby Engineering and Management Corporation and

Southern Colorado Power Company

1. (Cont'd.)

T.H. Dameron, 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 Plomo 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.)

2. Summary of report on the Trinchera mines by John Gross (Rito Seco properties) n.d.
See Ritter, Etienne A., 2. (Sec. 11.)

3. Summary of report on the Trinchera mines by William Laurence Austin (Rito Seco properties) n.d.
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.

1. Report of work on Trail mine lease of the United Gold Mines Company. 3p. 1936.
Teller County. Cripple Creek Mng. Dist.

Striely, William

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

1. Report on possible oil character of lands in the region of the White River structural Dome, Rio Blanco County, Colo. 3p. n.d.
Rio Blanco County. White River Gas Field. In and across White River Valley, 10 to 25 miles west of Meeker. White River Dome.
(Cont'd. on page 36)

Taff, J. A.
1. (Cont'd.)

White River Anticline.

Drilling suggested: near the west end of Claim O, south of the road. This point is very near the center of the S. E. $\frac{1}{4}$ of S. W. $\frac{1}{4}$ 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.

1. Report on the Bena Lode, Whitehorn Mng. District, with data gathered by W.H. Dwinell and two sketch maps by A.J. Posselt. 4p. n.d. 2 maps.

Fremont County. Whitehorn Mng. Dist.

Teagarden, J. A.

1. Report on the Wood Mountain Mining Co. Synopsis of the property. 20p. 1909.
Boulder County. Sugarloaf Mng. Dist.
On Four Mile Creek.

Teal, George W.

1. Report on the Eldora Mines Company's 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. 9p. 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.

1. Report on the Weber mining property, Mt. Bross, Park County, Colo., with copy of results of Assays of samples from Weber properties by Edward P. Chapman. 3p. 1929.
Park County. Alma 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 Connors 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.
Gunnison County. Mines and Minerals.
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 M.

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 Galena Mountain, about $2\frac{1}{2}$ 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.

1. Annual report of the United Gold Mines Company. 47p. 1904. 13 maps. illus.
Teller County. Cripple Creek Mng. Dist.
2. Annual report of the United Gold Mines Company. 6p. 1935.
Teller County. Cripple Creek Mng. Dist.

United States Geological Survey.

1. Government geologists estimates depth of sandstone in northeastern Colorado that may yield oil. Dakota formation and possible reservoir. 2p. 1925. Release 5-15-25.
Weld, Morgan and Washington Counties.
Fort Morgan Anticline. W. $\frac{1}{2}$ of Twps. 1 N., and 1 S., R. 56 W. Greasewood Lakes Anticline. Greasewood field. Pawnee Creek Anticline.
2. Oil and gas in northeastern Colorado. Prospects of developing new fields.
5p. 1924. map. Release 1825.
Arapahoe, Adams, Larimer, Logan, Morgan and Weld Counties. Twps. 1-12 N. and 1-4 S., Rs. 55-70 W.
Fort Collins Anticline.
Wellington Anticline.
Berthoud Anticline.
Douglas Lake Anticline.
Fort Morgan Anticline.
Pawnee Creek Anticline.
Greasewood Lake Anticline.
3. Geology and oil and gas prospects in part of eastern Colorado. By C. H. Dane and W. G. Pearce. 8p. 1933. map. Release 72215.
Lincoln and other counties. Twps. 11-23 S., Rs. 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.
La Plata County. Barker gas field. Wells drilled: Sec. 34, Twp. 33 N., R. 12 W.; Sec. 3, Twp. 32 N., R. 12 W. Dry Mesa Dome. Red Mesa Dome. Barker Creek Dome. Henderson Coal Mine.
5. 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.
6. Prospects for oil or gas in the Slater Dome, in northwestern Colorado. Government geologist maps promising area in northwestern Moffat County. 2p. 1924. map. Release 72215.
Moffat County. Twp. 12 N., R. 89 W. $2\frac{1}{2}$ miles east of Slater. Slater Cone.
7. Oil in Basalt near Trinchera, Colo. Notes by W. T. Lee. 3p. 1909.
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.
9. Report concerning an out-lier of the coal-bearing rocks of the Grand Mesa coal fields of western Colorado. (J. Fred Hunter.) 2p. 1912.
Montrose County. Grand Mesa coal field.
10. The Yampa coal field, in northwestern Colo. 2p. 1932. Release 12602.
Routt County. Yampa coal field. East of Hayden.
11. Coal in the Elkhead district of the Yampa coal field, northwestern Colorado. 4p. 1924. Release 16653. Dept. of the Interior.
Routt County. Yampa coal field. Twps. 5, 6, 7 and 8 N., Rs. 88, 89 and 90 W.
12. Gilsonite in early Eocene gravels in Middle Park, Colo. 1p. 1917. (Willis T. Lee - notebook).
Grand County. Middle Park. Non-metals.
13. New geological report on Leadville. 2p. 1927. Press release 16276. Dept. of the Interior.
Lake County. California Mng. Dist.
Refers to Prof. Paper #148.
14. The Red Arrow gold discovery in the La Plata mountains, Colorado. 3p. 1934. Press release 81670. Dept. of the Interior.
Montezuma County. California Mining District.
Sec. 11, Twp. 36 N., R. 12 W., N.M.P.M.

United States Geological Survey. (Cont'd)

15. Coal resources in Moffat County.

1p. 1925. Release 2205.

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." 2p. 1924. Dept. of the Interior. Release 17348.

Moffat and Routt Counties. Yampa coal field.

17. The Twentymile Park District. Report on part of the Yampa coal field. 1p. 1923. Dept. of the Interior. Release 16234.

Routt County. Yampa coal field.

16. Promising places for oil in Moffat County, Colorado. 2p. 1923. map. Dept. of the Interior. Release 16037,

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

19. Possibility of finding oil in southeastern Utah and southwestern Colorado.

7p. 1926. Dept. of the Interior. Release 6064.

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

20. Geology of the Independence Pass Dist., Colorado, with special reference to tunnel sites for diversion of water from the river to the east slope of the Continental Divide by J. W. Vanderwilt and A.H. Koschmann, United States Geological Survey. 8p. n.d. map. 67484.

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.

21. Surveys of Colorado River Basin.

Two thousand miles of stream courses mapped. 1p. 1924. Release 18030.

Colorado. Power Sites.

22. Engineering report on Colorado River.

2p. 1925. Dept. of the Interior. Release 3229. i. Colorado. Power Sites.

23. The Great Colorado River. 1p. 1924.

Colorado. Power Sites.

24. Power on Eagle River in Colorado. Result of Surveys made by Government Engineer. 1p. 1925. Dept. of the Interior. Release 1465. Eagle County. Power Sites.

25. Water power on Taylor River, Colorado. 1p. Dept. of the Interior. Release 1670.

Gunnison County. Power Sites.

26. Power projects possible on Arkansas River in Colorado. 1p. 1924. Dept. of the Interior. Release 17208.

Lake, Chaffee and Fremont Counties. Power Sites.

27. New maps of rivers in Utah, Colorado and Wyoming. Streams surveyed and water-power resources studied. 1p. 1925. Dept. of the Interior. Release 145.

Moffat County. Yampa River. Power Sites.

28. Power resources of San Miguel River, Colo. 1p. 1925.

Montrose County. Power Sites.

29. Water power on Dolores River, Colorado. Report of Interior Department Engineer. 1p. 1925. Release 2387.

Montrose and Mesa Counties. Power Sites.

30. Power resources of Roaring Fork of Colorado River. Results of survey by Government engineers. 1p. 1925. Dept. of Interior. Release 1048.

Pitkin and Garfield Counties. Power Sites.

31. Power resources of Blue River, Colorado. 45,000 horsepower still undeveloped. 1p. 1925. Dept. of the Interior. Release 764.

Summit County. Power Sites.

32. A volcano that never erupted. 1p. 1924. Dept. of the Interior.

Pueblo County. Apishapa region.

33. Continuity of formations in western Colorado and eastern Utah. Willis T. Lee. 4lp. 1926.

5 maps. 13,908 Dept. of the Interior. Colorado.

United States Geological Survey (Cont'd.)

34. The Bonanza Mining District, Colorado.

13p. 1929. map. Release Aug. 12, 1929.

Saguache County. Twps. 46 and 47 N.,
Rs. 7 and 8 E., N.M.P.M.

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. ii, 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.

1. Report on the property of the Durango
Girl Gold Mining & Milling Co. 6p. 1908.
map.La Plata County. California Mng. Dist.
About 13 miles northwest of Durango.

Vander Veer, Howard J.

1. Report on the Lone Pine properties in the
Cripple Creek District, Teller County,
Colorado. 2p. 1935. map.Teller County. Cripple Creek Mng. Dist.
Sec. 12, Twp. 15 S., R. 70 W.

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

1. Geology of the Independence Pass District,
Colorado, with special reference to tunnel
sites for diversion of water from the west
to the east slope of the Continental
Divide. See United States Geological
Survey, 20.

Van Diest, E. C.

1. The Ridgeway group, Animas Mining District,
San Juan County, Colo. 6p. 1915.San Juan County. Animas Mng. District.
About 5 miles from Howardsville,
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, P.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 terri-
tories, 1873.Boulder County. Grand Island Mng. Dist.
This report forms a part of the report
by George, R. D., and Fair, Fred A., 2
"Exhibit F1"

Van Wagenen, Theodore F.

1. Report on a proposition to construct a 15
mile tunnel through the Continental Divide
in Colorado for the American Mines Syndicate
Company. n.d. 10p. 2 maps.Clear Creek and Summit Counties.
Georgetown and Montezuma Mng. Districts.

Vidler, L. W.

1. Report on the Passiflora mining property,
Westcliff, Colorado. 3p. 1925. map.

Custer County. Hardscrabble Mng. Dist.

Vidler, Reese

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

Summit County. Ten Mile Mining District.

Walker, Stanley M.

1. General report on the holdings of Chas.
Gautier, J. H. Martin, H.C. Iannier, J.M.
McCausland, and W. A. Lewis, partners, in
the Red Mountain Mng. Dist. Colo. 11p.
1926. map.

Ouray County. Red Mountain Mng. District.

Walker, Thomas H.

1. Discovery of Beryl, the ore of beryllium:
Denver Post, Dec. 8, 1935.Larimer County. Manhattan Mng. District.
38 miles north of Fort Collins.

Walter, R.J.

1. Report on the Minnie Gulch mine of the Kittimac Mining Company of Wyoming. 10p. n.d.
San Juan County. San Juan Mng. District.
3-1/2 miles southeast of Eureka.

Watson, Robert J.

1. Report on the Stewart mine. Hawkeye Mining District, Gilpin County, Colo. 5p. 1934.
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.

1. Report on the Michael Breen group. 2p. 1918. map.
Ouray County. Uncompahgre Mng. Dist.
About 5 miles southeast of Ouray. West slope of Engineer Mountain.

Webster, Jr., B. F.

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

Wegemann, Carroll H.

1. The Wellington structure. Synopsis of an address given at the Engineers' luncheon, Denver, Nov. 26, 1923. 3p.
Larimer County. Wellington-Fort Collins field.
West side of the Denver Basin at Wellington. natural gas.

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.

1. Brief note on the property. Ore shipments 1926-1930. 4p. n.d.
Clear Creek County. Idaho Springs Mng. Dist., on Chicago Creek. west of mouth of Spring Gulch.

Weston, W.

1. Report on the Tam O'Shanter-Montezuma mines. 8p. 1907. map.
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.

1. Analysis of natural gas Grand Junction, Colo.. Well #3, White River Oil Co. 1p. n.d.
Rio Blanco County. White River Gas Field.
White River Dome. natural gas.

Whitney, P. B.

1. Report on the White River Oil Dome. 3p. 1920. map.
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.

1. Report on Enterprise group of mining claims, property of the Western Colorado Mines Corp., with notes on ore samples and development. 7p. 1920. 1932.
Gunnison County. Tin Cup Mining Dist.
39 miles north of Pitkin.

Williams, A. D.

1. Statement concerning the Old England property. 1p. 1936. map.
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.

1. Natural gas in Colorado, northern New Mexico and Utah. Reprinted from Geology of Natural Gas; The American Association of Petroleum Geologists, June 1935. pp. 363-384.

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.

2. Report on the Brush Hollow Anticline, Fremont County, Colo. 3p. 1924.

Fremont County. Secs. 1, 12 and 13, Twp. 19 S., R. 69 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, Colo. 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 Creek structure, Moffat County, Colorado. 4p. 1929. map.

Moffat County. Twps. 4 and 6 N., Rs. 100-102 W. 75 mi. west of Craig.
Skull Creek Dome. Drilling suggested:
S. E. $\frac{1}{4}$ 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. Twps. 4 and 6 N., Rs. 100-102 W. 75 miles west of Craig.
Skull Creek Dome.

6. Geological report on the S. O. S. group of oil shale claims. Garfield County, Colorado. 4p. 1924.

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. (2lp.), 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.

1. Report on the Lexington group of mines. 3p. 1936. map.

Clear Creek County. Gold Dirt Mng. Dist.
Bound with Kellogg, A. W., 1.

Wood, J.P.

1. Report on mine tailing pollution of Clear Creek, Clear Creek-Gilpin Counties, Colo. 40p. 1935. (Pam. Hlet.)
Clear Creek-Gilpin Counties.

Worcester, P.G.

1. The rise of the Rockies. pp. 11-14.
2. The myth of the everlasting hills. pp. 15-18.
3. The Rockies today. pp. 19-22.
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.

W. W. Wilmore, et al. vs. Chain O'Mines, Inc. and Mattie Consolidated Mining Company.

1. W. W. Wilmore, Joe Pearson, D. E. Trogler, Frank Bond and Frank Morris, Plaintiffs in Error vs. Chain O'Mines, Inc., a corporation, and The Mattie Consolidated Mng. Co., a corporation, Defendants in Error. In the Supreme Court of the State of Colorado. Error to the District Court of Jefferson County, Colo. Sackmann, J. Opinion by Justice Holland. April 12, 1935 10p.
Stream pollution.

Ziegler, Victor

1. Oil possibilities of the White River Dome, Rio Blanco County, Colorado. 2p. n.d.
Rio Blanco County. White River Gas Field. Parts of Twps. 1 and 2 N., Rs. 96 and 97 W. White River Dome.

A D D E N D A

Broyles-Ensminger 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. 15lp. 1900.
Teller County. Cripple Creek Mining District.

PART

II

MAPS AND CHARTS

ooo

CHARTS

MINES

1. Chart giving the names of mining districts, classified by Counties, with metal production by weight and value (1858-1934) and totals for each county. Prepared by Theodore D. Benjovsky.
Colorado
2. Labor classification and data for reports to State and Federal Bureaus of Mines, Mines office - Grand Junction, Colo. Compiled from the Payrolls and Daily Mine Reports. Data includes Carnotite Products Company mines after date. June 1, 1921. Radium Company of Colorado.

PETROLEUM

1. Tentative correlation of the named geologic units of the Rocky Mountain Region. Compiled by Petroleum Information, Inc., Denver, 1936.
2. Important wells in and around San Juan Basin. Name of well, company, location, elevation, total depth and geologic log. 1926-1932.

MAPS

MINES COAL

El Paso County

1. Map of City Coal Mine of Colorado Springs.
n.d. Sec. 29, Twp. 13 S., R 66 W.

Fremont County

1. Map of Canon City Coal Field.
Twps. 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. Twps. 5
and 6 S., Rs. 90 and 91 W. JQM July 6, 1933.

Garfield County (Cont'd.)

2. Map and section of the Le Donne Mine, Garfield County, Colo. Surveyed Dec. 12, 1933 by Earl D. Von Rosenberg, C. E. (In Secs. 18 and 19, Twp. 5 S., R. 91 W.)
3. Map of Ted Estes Coal mine located on Rifle Creek, N.E. $\frac{1}{4}$ S. W. $\frac{1}{4}$ 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

1. Map of coal workings Rapid Creek Mining Tunnel & Power Co., Genter, Gunnison County, Colo. S. $\frac{1}{2}$ Sec. 20, Twp. 11 S., R. 88 W. About 2 miles west of Marble. Theodore Rosenberg 1928.
2. Map of the Tuscarora claims of the Anthracite Fuel Company in Sec. 19, Twp. 11 S., R. 88 W. n.d. Near Marble.
3. Topography on proposed Chair Creek Tunnel site, Creek Changes, and Tipple and track-yard grounds. S. E. $\frac{1}{4}$ S. E. $\frac{1}{4}$ Sec. 18, Twp. 11 S., R. 88 W. 6. P.M. Survey May 28-30, 1923. Theodore Rosenberg, C. E.

Huerfano County

1. Portica of coal basin Huerfano County, Colo. Twps. 27, 28, 29 and 30, Rs. 66 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.

Huerfano County (Cont'd)

4. (Continued)
Bulletin 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.

MAPS

MINES METALLIFEROUS

Colorado

1. Map of Colorado showing location of Mining Districts, Production by Counties (1858) to 1934 inclusive. Compiled from Colorado and U.S.G.S. statistics by T. D. Benjovsky, Salida, Colo. 1935. Rare Metal Production.
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. 1935.
3. Denver to Salt Lake. Principal cities, roads and rivers. Lewis E. Ashbaugh, 1933.

Colorado (Cont'd.)

4. Central Colorado. Denver and Colorado Springs west to Salt Lake City. Lewis E. Ashbaugh. 1929.

Boulder County

1. Mining district to the west of Boulder, Lewis E. Ashbaugh. n.d. Twps. 1 & 2 N., 1 S., Rs. 70-74 W.
2. Map of Sec. 5, Twp. 1 N, R. 71 W. Glendale. Redrawn from revised records of U.S. Sur. Gen'l. by Henry A. Drumm. 1932.
Gold Hill & Sunshine Mining District.

Boulder County (Cont'd.)

3. Map of the Burlington-Boulder M & M Co., claims. Survey No. 18572 Sec. 5, Twp. 1 N., R. 71 W. Gold Hill Mining District.
4. Plat of the Claim of Viola Beatty, known as the Silver Queen, Major, D. Lentangy and Central John lodes. Mineral Survey No. 13414. Albert E. Chase. 1899. N. E. $\frac{1}{4}$ 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.
6. Map of Sec. 8, Twp. 1 N., R. 71 W. Sunshine, Colo. Drawn from U. S. G. S. records by Henry A. Drumm. 1928. Gold Hill Mining District.
7. Map of Sec. 18, Twp. 1 N. R. 71 W. Salina. Drawn from records of U. S. Sur. Gen'l. by Henry A. Drumm, 1917. Rev. to July 23, 1932. Gold Hill & Sugarloaf Mining Districts.
8. Map of Sec. 1, Twp. 1 N., R. 72 W. Rowena, Colorado. Drawn from records of U. S. Sur. Gen'l. by Henry A. Drumm, 1917. Rev. to July 1926. Gold Hill Mining District.
9. Sketch map of the Small Hopes group of mining claims, comprising the Great Western, Little Esther, Lillie, Harbour, Small Hopes, Owls Roost, Jewel, Gem, Emilia and Big Elephant claims. Gold Hill mining district Boulder County, Colo. Russel To. Mason. D. N. G. Sec. 14, Twp. 1 N., R. 72 W. Gold Hill Mining District.
10. Map of mining claims, Boulder County. Sec. 34, Twp. 1 N., R. 72 W. Sugarloaf Mng. Dist.
11. Map of mining claims in Sec. 1, Twp. 1 S., R. 72 W. n.d. Magnolia Mining District.
12. Map of mining claims in S. E. $\frac{1}{4}$ Sec. 1, Twp. 1 S., R. 72 W. Fred A. Fair, Eng. Ass'n. by Carl Bebee 1932. Gallant Fox. 2nd. Chance. 17116 Le Roy, Le Roy No. 2. Magnolia Mining District.
13. Map of 19204 Last Chance mine, Boulder County, Colo., J. E. Byron, 1935. Sec. 7, Twp. 1 S., R. 72 W. Grand Island Mng. Dist.

Boulder County (Cont'd.)

14. Map showing location of Montgomery group mining claims at Ward, Ward Mng. Dist., Colorado. n.d. (In Sec. 12 Twp. 1 N.R. 73 W.) Ward Mining District.
15. Eldora Mines or National and Standard Group n.d. Sec. 16, Twp. 1 S., R. 73 W. Grand Island Mining District.
16. Map of claims in the Grand Island Mining District, Boulder, County, Colo. Secs. 20 and 21, Twp. 1 S., R. 73 W. n.d. Grand Island Mining District.

Chaffee County

1. Map of mining claims in N. E. $\frac{1}{4}$ Sec. 18, Twp. 12 S., R. 82 W. Red Mountain Mining District n.d. Red Mountain Mining District.

Clear Creek County

1. Map of Pennsylvania Mining Power & Reduction Co., Property, Clear Creek and Gilpin Counties, Colo. n.d. 16 mining districts.
2. Map of mining claims Secs. 26, 29, 30, 31, 32, and 33, Twp. 3 S., R. 73 W. n.d. Idaho Springs Mining District.
3. Map of a portion of Clear Creek and Gilpin Counties, Seaton Mountain and Pewabic Mountain areas, showing properties of the Pewabic Consolidated G.M. Co., Dollar Savings M. & M. Co., Consolidated Gem M. Co., Consolidated Park M. Co., Alma Gold M. Co., Shafter M. Co., Big Revenue Group, Treasure Vault Group and Big Five Tunnel. Secs. 25 and 26, Twp. 3 S. R. 73. W. n.d.
4. Vertical section of Brighton mine No. 2 in Virginia Canon, Clear Creek County, Colorado. Surveyed by J. F. Beckstrom, 1935. Sec. 26, Twp. 3 S., R. 73 W. Virginia Mining District.
5. Albro Extension Mining & Milling Co., Cross-section map of the properties of, Sec. 20, Twp. 3 S., R. 73 W. Dumont Mining District.
6. Idaho Springs Gold Mining District. Prominent veins. From U. S. G. S. Prof. Paper #94. Lewis E. Ashbaugh. 1932. Secs. 35 and 36, Twp. 3 S., R. 73 W. Idaho Springs Mining District.

7. Century Mines, Inc., operating New Era group. Trail Creek (mining district), Idaho Springs, Colo. Lew E. Ashbaugh, 1933.
Sec. 31, Twp. 3 S., R. 73 W.
Trail Creek Mining District.
8. Map of claims 14925 Helen Blazes, 2053 Gardner Placer, Sec. 2, Twp. 4 S., R. 73 W. Clear Creek County, Colorado. n.d.
Ohio Mining District,
9. Map of claims in Clear Creek County owned by American Sisters Mining Company, Colorado Springs, Chas. L. Harrington. n.d.
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., Rs. 74 & 75 W.
Silver Plume Mining District.
11. Dunkirk group and Pay Rock group. Sept. 1907. Sidney Myers 650 Conquerer 1438; Dunkirk lode 200; Ashby Tunnel and many other claims. Sec. 13, Twp. 4 S., R. 75 W.
Griffith Mining District.
12. Map of the Dorit-Perkins group n.d. Secs. 5, 8 and 9, Twp. 4 S., R. 73 W.
Cascade Mining District.
13. Properties of the Idaho Springs Prod. Co., Clear Creek County, Colo. Page 609, Mine Managers Reports for the year 1903, Colorado State Bureau of Mines. Sec. 3, Twp. 4 S., R. 73 W.
Coral & Jackson Mining Districts.
14. Properties of the Hidden Treasure Gold & Silver Mines & Mills Co., Denver, Colo., Page 120, Mine Managers' Reports for the year 1901, Colorado State Bureau of Mines.
Sec. 19, Twp. 4 S., R. 74 W.
Griffith Mining District.
15. Map of mining claims in Secs. 33, 34 and 35, Twp. 3 S., R. 73 W., and Secs. 2, 3, 4, 9, 10 and 11, Twp. 4 S., R. 73 W., Clear Creek County, Colo. W. H. Wiley, 1930.
Jackson Mining District.

1. Map of Grayback and Placer Districts. Twp. 28 S., Rs. 70 and 71 W., Adjoining the town of Russell. George Y. Price. 1932.
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. (2636 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., Rs. 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
Wm. Garstin, U. S. Mine Surveyor, n.d. Twp.
15 and 16 S., Rs. 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.
Boma and Free Town lodes, Fremont County,
Colo. Albert A. Lampe, U. S. D.M. S. 1903. Secs.
21 and 28, Twp. 51 N., R. 10 E. N.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. 18,
Twp. 3 S. R. 72 W.
Lake Mining District.
3. Mineral Surveys of Northern Gilpin County.
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. Beckstrom, 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., Rs.
72 and 73 W.
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. 18, 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. 18, Twp. 3 S.,
R. 72 W. and Sec. 13, Twp. 3 S., R. 73 W.
Russell Mining District.
11. Map of Star mine. Phoenix, Colo. Showing
plan of workings. J. F. Beckstrom, Twp. 1S.
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.
Funk, D. U. S. M. S. Mineral Survey #18492 n.d.
Pine Mining District.
13. Tucker mine. 3 lode claims in one group.
Central City, Colo. Workings. Sec. 1, Twp.
3 S., R. 73 W. Eureka 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'Neil 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.

Gilpin County (Cont'd.)

18. Gaston mine. Central City, Colorado. Gilpin County. Plan of workings. Sec. 13. Twp. 3 S., R. 73 W.
Russell Mining District.
19. Consolidated Metals, Inc. Incidental Mine. Russell Gulch, Gilpin County, Colo. Surveyed by Prouty Bros. Engineering Co. 1926. Sec. 14, Twp. 3 S., R. 73 W.
Russell Mining District.
20. Plat 2. Tacoma Tunnel survey. Plan & Elevation, Tunnel & Shafts, showing proposed connection. Beaver Cr., Gilpin Co., Colo. by Warren C. Prosser. U. S. M. S. n.d.
21. Plat 1. Amended location survey, Tacoma group of lode mining claims. North Gilpin County, Colo. n.d. Sec. 35, Twp. 1 S., R. 73 W.
South Boulder Mining District.
22. Sectional map of the East Notaway Vein. Property of the Town Topics Gold Mining Co., Gilpin County Colo. Page 297 B, Mine Managers' reports for the year 1903, Colorado State Bureau of Mines. Sec. 18, Twp. 3 S., R. 72 W.
Lake Mining District.
23. Property of the Town Topics Gold Mining Co., Gilpin County, Colo. Page 297 A, Mine Managers' Reports for the year 1903, Colorado State Bureau of Mines. Sec. 13, Twp. 3 S., R. 73 W.
Lake Mining District.
24. The Gregory-Buell Consolidated, page 473 A, Mine Managers' Reports for the year 1903, Colorado State Bureau of Mines. Sec. 12, Twp. 3 S., R. 73 W.
Gregory Mining District.
25. The Roderick Dhu Gold Mining Co., Gilpin County, Colo. Page 174, Mine Managers' Reports for the year 1904, Colorado State Bureau of Mines. Sec. 13, Twp. 3 S., R. 73 W.
Illinois Central Mining District.
26. Mining Claims of J.B. Johnson in Secs. 6 and 7, Twp. 2 S., R. 73 W., Pine Mining District, Gilpin County, Colo. n.d.
Pine Mining District.
See also Maps. Mines Metalliferous Gilpin County, 12.

Gilpin County (Cont'd.)

27. Map of Gilpin County, Colo. Compiled from actual surveys and official records and copyrighted 1896 by Chase and Rank. Twps. 2 and 3 S., Rs. 72 and 73 W. (Includes a portion of Clear Creek County).
This map is mounted on rollers and there is no tracing.

Map of Pennsylvania Mining Power & Reduction Co. Property, Clear Creek and Gilpin Counties, Colorado. n.d.
16 mining districts.
See Maps. Mines: Metalliferous.
Clear Creek County, 1.

Map of a portion of Clear Creek and Gilpin Counties, Seaton Mountain and Pewabic Mountain areas, showing properties of the Pewabic Consolidated G.M. Co., Dollar Savings M. & M. Co., Sun & Moon M. & M. Co., Consolidated Gen. Co., Consolidated Park M. Co., Alma Gold M. Co., Shafter M. Co., Big Review Group, Treasure Vault Group and Big Five Tunnel. Secs. 25 and 26, Twp. 3 S., R. 73 W. n.d.
See Maps. Mines: Metalliferous
Clear Creek County, 3.
- Gunnison County
1. Map of Taylor River Tunnel. Sec. 12 or 13 S., R. 83 W., Gunnison County.
Taylor River Mining District.
 2. Vertical section underground workings of the Star & Independence Mines, Italian Mountain Tin Cup Mng. Dist., Gunnison County, Colo. n.d. Sec. 35, Twp. 12., R. 84 W.
Tin Cup Mining District.
 3. Map showing the proposed Italian Mountain Draining & Transportation Tunnel, Tin Cup Mng. Dist. Gunnison County, Colo. O.H. Aikine 1912.
Twps. 12 and 13 S., R. 84 W.
Tin Cup Mining District.
 4. Map of mining properties near Crystal, Colo. Secs. 27, 28, 33 and 34, Twp. 11 S., R. 87 W. 6th P.M.
Rock Creek Mining District.
 5. Mining claims part of Gold Brick mining dist., Gunnison County, Colo. n.d. Sec. 1, Twp. 50 N., R. 3 E. About 3 mi. N. W. of Pitkin.
Gold Brick Mining District.

Gunnison County (Cont'd.)

6. Map of mining claims in Gunnison and Saguache Counties. Twp. 47 N., R. 1 W. n.d.
7. Map of claims in Sec. 27 and 34, Twp. 51 N. R. 5 E., N.M.P.M., F. C. Cramer. n.d.
Quartz Creek Mining District.
8. Map of Mono Metalist lode, Tin Cup Mng. Dist. Gunnison County, Colo. S. E. $\frac{1}{4}$ Sec. 3, S. W. $\frac{1}{4}$ Sec. 2, Twp. 15 S., R. 82 W. Sur. #18599 n.d.
Tin Cup Mining District.
9. Goose Creek Basin. Property of D. L. Gray and A. Haynes. S. $\frac{1}{2}$ Sec. 2, Twp. 47 N., R. 3 W., N.M.P.M. n.d.
Goose Creek Mining District.

Hinsdale County

1. Daveys map of Hinsdale County, Colo. 1908. Twps. 41-45, Rs. 4-6 W., N.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
3. Map of part of Hinsdale County, Lake Mng. Dist. Secs. 9, 10, 15 and 16, Twp. 43 N., R. 41 W. About 4 miles south of Lake City. (628 Gladiator) n.d.
Lake Mining District.
4. Map of the San Cristobal Reservoir, Hinsdale County, Colo. Irrigation Division 4, Water Dist. 62. Courses true, magnetic variation 14° 21' E. 1910. Sec. 10, Twp. 43 N. R. 4 W., N.M.P.M.
Lake Mining District.
5. Gladiator mine. Underground works, Section of, n.d. Sec. 10, Twp. 43 N., R. 4 W. NMPM.
Lake Mining District.
6. Highland Chief mine. Vertical section along Highland Chief vein. Plan map of workings. nd. Sec. 23, Twp. 43 N., R. 6 W., N.M.P.M.
Galena Mining District.
7. Map of mining claims between Lake City and Lake San Cristobal. Sec. 4, 3, 15, 16 and S. $\frac{1}{2}$ of 10, Twp. 43 N., R. 4 W., n.d.
Lake Mining District.

Hinsdale County (Cont'd.)

8. Map showing the relative position of "Golden Fleece" property and "Slungullion 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. $\frac{1}{4}$ Sec. 13, Twp. 11 S., R. 78 W.
Twin Lakes Mining District.
3. Map of the Gordon and Bengal Tiger mines, Twin Lakes Mng. Dist., Lake County, Colo. Ground Plan and longitudinal section along the vein. 1895. S. W. $\frac{1}{4}$ Sec. 13 Twp. 11 S., R. 78 W.
Twin Lakes Mining District.
4. Plat of Gordon and Bengal Tiger Mines, Twin Lakes Mng. Dist. Lake County, Colo. Fred C. Cramer. 1897. S. W. $\frac{1}{4}$ Sec. 13, Twp. 11 S. R. 78 W.
Twin Lakes Mining District.
5. Map of mining claims in Alicante Mng. Dist., Lake County, Colo. 948 Alicante and other claims. Upper Arkansas Placer. Sec. 13, Twp. 8 S. R. 79 W.
Alicante Mining District.
6. Map of the workings of the Smuggler mine, deeded to the Iron Silver Mining Co. n.d. Sec. 30, Twp. 9 S., R. 79 W.
California Mining District.
7. Workings of Coyer Mine, Lake County, Colo. Sec. 30, Twp. 9 S., R. 79 W. About 1- $\frac{1}{2}$ miles southeast of Leadville.
California Mining District.
8. Map of mining claims in Lake County, Colo. 580 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. Saunders. Jan. 1901, Twps. 9 and 10 S. Rs. 79 and 80 W.

Lake County (Cont'd.)

10. Map of Placer claims on the Arkansas River, Lake County, Colo. Laura & Daisy Placer, Rose Placer, Clint Placer, New York Placer, Detroit Placer, Rhododendron Placer, n.d. Secs. 15, 16, 21 and 22, Twp. 9 S. R. 80 W.
California Mining District.
 11. Map of mining claims in Sec. 21, Twp. 9 S., R. 80 W., California Mng. Dist. (549 Jessie 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.
 13. Map of mining claims in Sec. 23, Twp. 8 S., R. 80 W. Lake County, Colorado.
California Mining District.
 14. Placer claims in Secs. 23, 26, 27 and 34, Twp. 8 S., R. 80 W. Northwest of Leadville.
 15. Map of Pilgrim Gold Mining & Milling Co., Leadville, Colo., page 399 A. Mine Managers' Reports for the year 1900, Colorado State Bureau of Mines. Sec. 32, Twp. 9 S., R. 79 W.
California Mining District.
- Leadville-Alma Mining District, from U. S. Geological Survey, Plate II, Prof. Paper #148, 1927. Lewis E. Ashbaugh, 1933. See Maps, Mines: Metalliferous.
Park County, 1.

La Plata County

1. Map of patented claims of the Needle Mountain Mng. Dist., La Plata County, Colo., n.d. Sec. 35, Twp. 39 N., R. 7 W., N.M.P.M.
Needle Mountain Mining District.
2. Map of mining claims in Sec. 25, Twp. 39 N., R. 8 W. and Sec. 30, Twp. 39 N., R. 7 W. 1912.
Needle Mountain Mining District.
3. Map of mining claims in Secs. 19 to 23, 26 to 35, Twp. 37 N., R. 10 W., N.M.P.M. La Plata Mountain. Dan Cason. 1906.
California Mining District.

La Plata County (Cont'd.)

4. Mining properties near proposed Mill, California Mng. Dist., La Plata County, Colo. n.d. 6 miles southeast of Mancos dist. Incas group. Idaho Mines. Pioneer Gold Producers. Secs. 16, 21 and 28, Twp. 36 N., R. 11 W.
California Mining District.
5. Plat of mineral entries, Twp. 36 N., R. 11 W., La Plata County, Colo. Burdick and Kroeger, Engineers, Durango, Colorado. n.d.
California Mining District.
6. Plan of Republic Adit, La Plata County, Colorado. 1935.
California Mining District.
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 Nos. 1, 2, and 3, Yukon Nos. 1 to 4 and Grizzly King Nos. 1 to 15, Copper Queen 1 to 3, Lucky Nine No. 1 to 3, Lucky No. 1 to 3, Red Bird No. 1, Silver Star. n.d.
Needle Mountain Mining District.
9. Map of the May Day Extension Group et al. lodes. California Mng. Dist., La Plata County, Colo. Sec. 28, Twp. 36 N., R. 11 W., N.M.P.M. A. L. Kroeger, n.d.
California Mining District.
10. Plat of the claim of Gracie I. Fox upon the 2055 Bessie G. lode. Sec. 30, Twp. 37 N., R. 10 W., N.M.P.M. Charles Keemle. 1888.
California Mining District.
11. Map of mining claims in Sec. 13, Twp. 36 N., R. 11 W. and Sec. 19, Twp. 36 N. R. 10 W. n.d.
California Mining District.
12. Plat of mineral entries, Twp. 37 N., R. 11 W., La Plata County, Colo., Burdick & Kroeger, Engineers, Durango, Colo. n.d.
California Mining District
See Maps, Mines: Metalliferous
La Plata County, 5.
13. Map of mining claims in Sec. 9, Twp. 37 N., R. 10 W., N.M.P.M. n.d.
California 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. 19051 Oro Fino, 15974

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.

17. Map of Lady Eleanora Consolidated Gold Mines Co., La Plata County, Colo. Secs. 21 and 22, Twp. 36 N., R. 11 W.

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.

California Mining District.

19. Sketch map showing location of Hunt mining claims, La Plata County, Colo. 8870 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.

21. Tracing - Wheel of Fortune Group. Ruby King 1237, etc. Secs. 21 and 27, Twp. 36 N., R. 10 W., N.M.P.M. n.d.

California Mining District.

22. Map showing workings of Ruby King 1237 and Luella Lode 7028. Secs. 21 and 27, Twp. 36 N., R. 10 W., N.M.P.M. n.d.

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

1. Map Galena group of mining claims. B. I. McCargar. 1924. Twps. 30 and 31 S., Rs. 67 and 68 W. About 1-1/2 miles southwest of East Spanish Peak.

West Spanish Peak Mining District.

Mesa County

1. Map of Outlaw Group. Twp. 50 N., R. 18 W., N.M.P.M. F. C. Armstrong. Oct. 1920.

Gateway Mining District.

2. Map of claim, Sec. 30, Twp. 50. N., R. 17 W., N.M.P.M. F. C. Armstrong. Nov-Dec. 1920. About 20 miles east of Gateway.

Gateway Mining District.

3. Map of Little Florence mining claims. Mel B. Jowell, James Walker etc., Secs. 29 and 32, Twp. 8 S., R. 91 W. Theodore Rosenberg, C. E. 1924.

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.

3. Creede Camp and vicinity. Secs. 12 and 13, Twp. 42 N., R. 1 W. and Secs. 17 and 18, Twp. 42 N., R. 1 E., N.M.P.M. E. S. Rice. 1892. 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. 24, 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.

6. Property of the Creedmoor Mining Company and adjoining claims, Creede, Colorado. Sec. 13, Twp. 42 N., R. 1 W. and Sec. 18, Twp. 42 N., R. 1 E. N.M. P.M. (7477 Holy Moses, 6837 Solomon, 6837 Hiram). n.d.

Sunnyside Mining District.

7. Map of Mammoth Mountain lode claims, near Creede, Colo. (Mammoth, Nancy Hanks, Argosy, Eureka, Eclat, Resurrection, Mary Anderson). Don C. La Font. n.d. Sec. 30, Twp. 42 N. R. 1 E. N.M.P.M.
Sunnyside Mining District.
8. Map of mining claims on Bachelor Mountain near Creede, Colo. (Last Chance, New York, Del Monte). n.d. Sec. 13, Twp. 42 N., R. 1 W., N.M.P.M.
Sunnyside Mining District.
9. Map of mining claims 7263-A Last Chance, 7333 Amethyst, 7421 Pittsburgh. Sec. 13, Twp. 42 N., R. 1 W., N.M.P.M. Mineral County, Colorado. n.d.
Sunnyside Mining District.
10. Map of mining claims in Mineral County, Colo. 599 Hidden Treasure, 569 Treasure Vault, 936 Golden Eagle, New Discovery, Happy Thought. n.d. Sec. 13, Twp. 42 N., R. 1 W., N.M.P.M.
Sunnyside Mining District.
11. Underground workings of Creede United Mines, Creede, Colo. Sec. 14, Twp. 42 N., R. 1 W., N.M.P.M. (Happy Thought, 7428 Argenta adjoining). S. B. Collins. n.d.
Sunnyside Mining District.
12. Dwyer Leasing Co., Creede, Colo. General Plan. Made by M.J.D. n.d. Sec. 24, Twp. 42 N., R. 1 W., N.M.P.M.
Sunnyside Mining District.
13. Map showing properties of the Bachelor Mng. Co., Creede, Colo. n.d. Sec. 24, Twp. 42 N., R. 1 W., N.M.P.M.
Sunnyside Mining District.
14. Mining claims adjoining Creede townsite. Victor G. Hills. 1921. Copied by Don C. La Font. 1933. Sec. 25, Twp. 42 N., R. 1 W.
Sunnyside Mining District.
15. Contours of property of the Peerless Clay & Mineral Co., formerly Metalloid Corporation, Creede, Colorado.
Sunnyside Mining District.
16. Property of the North Amethyst Mng. Co., in relation to Amethyst and Equity Lodes, King Solomon Mng. Dist., Mineral County, Colo. n.d. Sec. 13, Twp. 42 N., R. 1 W. N.M.P.M.
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-Moses 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 E. N.M.P.M.

Sunnyside Mining District.

Ouray County

1. Property of the Torpedo-Eclipse Mining Company. Sneffels Mining District. Twp. 43 N., R. 3 W., N.M.P.M. Rich. Whinnerat. 1907.
Sneffels Mining District.

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

1. Leadville-Alma Mining District, from U. S. Geological Survey, Plate II, Prof. #143. 1927. Lewis E. Ashbaugh, 1933.
2. Map of mining claims Secs. 10, 11, 12, 13, 14 and 15, Twp. 8 S., R. 77 W. Geo. B. Cramer.
Tarryall Mining District.
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.
4. Map of mining claims in Secs. 7 and 18, Twp. 9 S., R. 78 W. and Secs. 12 and 13 Twp. 9 S., R. 79 W. of and between North and South Mosquito Creeks. n.d.
Mosquito Mining District.
5. Map of mining claims in Sec. 15, Twp. 8 S., R. 77 W. F. C. Cramer, n.d. (Yellowstone Placer)
Tarryall Mining District.
6. Map of the Black Cloud group, South Mosquito Gulch, Park County, Colo. n.d. Secs. 1 and 12, Twp. 9 S., R. 79 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. 35 and 36, Twp. 8 S., R. 79 W., Secs. 1, 2, 11, 12 and 13, Twp. 9 S., R. 79 W., in the Mosquito Mng. Dist., Park County, Colorado. n.d.

Mosquito Mining District.

8. Map showing London Extension Tunnel. 1997 American. Sec. 7, Twp. 9 S., R. 78 W. n.d.

Mosquito Mining District.

9. The London Vein and formations under American Tunnel by Carl A. Mohr, n.d. Sec. 7, Twp. 9 S., R. 78 W.

Mosquito Mining District.

10. Map showing location of the Wheeler and Janet groups of mining claims situated in Alma Mining District, Park County, Colorado. 9925 Janet. n.d. Sec. 8, Twp. 8 S., R. 78 W. Consolidated Montgomery Mining Dist.

Pitkin County

1. Map of Pitkin County. Mining Districts. n.d.

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. Twps. 8 and 9 S., R. 84 W.

Frying Pan, Dry Pine & Woody Mining Districts.

6. Map of the Aspen mining belt. D. Rohlfind, n.d. Twps. 10 and 11 S., Rs. 84 and 85 W. Columbia & Highland Mining Districts.

Pitkin County (Cont'd.)

7. Geologic map and section of Aspen Mining District, showing the mining properties. D. P. Rohlfind, May 1935. Twps. 10 and 11 S., Rs. 84 and 85 W.

Columbia & Highland Mining Districts.

8. Map of claims (Lime Gulch and Hurricane) in Sec. 7, Twp. 11 S., R. 84 W. Southeast of Aspen. 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 showing interests of the Midnight Mng. Co., Aspen, Pitkin County, Colo. n.d. Secs. 7, 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.

13. U. S. L.M. Copper Mt. No. 1. Sec. 36, Twp. 10 S., R. 85 W. Map of mining claims.

Highland Mining District.

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

Columbia Mining District.

15. Map of Traynor Tunnel Sec. 13, Twp. 10 S., R. 85 W. Pitkin County, Colo. Sur. Aug. 18, 1917.

Roaring Fork Mining District.

16. Map of the Hope Mining M. & I. Co., Aspen, Colo. N.d. Sec. 1, Twp. 11 S., R. 85 W.

Highland Mining District.

Pitkin County (Cont'd.)

17. Map of mining claims in Secs. 6 and 7, Twp. 11 S., R. 84 W., and Secs. 1 and 12, Twp. 11 S., R. 85 W. South of Aspen.
Highland Mining District.
18. Map of Iron Hill properties. Mining claims in the Columbia Mng. Dist., Pitkin County, Colo. South of Aspen. nd. Sec. 25, Twp. 11 S. R. 85 W.
Columbia Mining District.
19. Map of mining claims in Columbia Mining District south of Aspen. No. 2044 A. Tam O' Shanter. Borealis. 2043 Montezuma. Sec. 11, Twp. 12. S., R. 85 W.
Columbia Mining District.
20. Map of mining claims in Columbia Mining District south of Aspen. U. S. L. M. Pine Creek, Secs. 11 and 12, Twp. 12 S., R. 85 W.
Columbia Mining District.

Saguache County

1. Map of Clover Creek District, Saguache County. n.d. Secs. 31 and 32, Twp. 48 N., R. 8 E., Secs. 5 and 6, Twp. 47 N., R. 8 E. About 14 miles north of Saguache.
Manitou Mining District.

Map of mining claims in Gunnison and Saguache Counties. Twp. 47 N., R. 1 W. n.d.
Domingo Mining District.
See Maps, Mines: Metalliferous.
Gunnison County, 6.

San Juan County

1. The San Juan and Southwestern Colorado. Lewis E. Ashbaugh. n.d.
2. Kittimac Group. All O.K. located claims. n.d. Near Eureka, San Juan County, north-east. Sec. 28, Twp. 42 N., R. 6 W.
Eureka Mining District.
See Lone Wolf Mining Company.
3. Kittimac mine workings. Eastern portion. n.d. Sec. 28, Twp. 42 N., R. 6 W.
Eureka Mining District
See Lone Wolf Mining Company.

San Juan County (Cont'd.)

5. The Sunnyside Mining & Milling Co., Eureka, 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.
Eureka Mining District.
6. Map showing properties of the Martin Mining & Power Co., San Juan County, Colo., page 112, Mine Managers' Reports for the year 1909, Colorado State Bureau of Mines. Sec. 14, Twp. 42 N., R. 7 W., and Sec. 17, Twp. 42 N., R. 6 W., N.M.P.M.
Eureka 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

1. The Argentine Group of mines. Longitudinal section of workings. Map No. 1. Page 472 of the 1903 Mine Managers' Reports, Colorado State Bureau of Mines. Sec. 4, Twp. 42 N., R. 8 W., N.M.P.M.
Upper San Miguel Mining District.
2. The Argentine Group of mines. Longitudinal section of workings. Map No. 2. Page 472 of the 1903 Mine Managers' Reports. Colorado State Bureau of Mines. Sec. 4, Twp. 42 N., R. 8 W., N.M.P.M.
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.

1. Map of Pennsylvania Mng. Co. properties and adjoining claims. Plan of workings of Pennsylvania mine. Peru Mng. Dist. 6 miles E. of Dillon. n.d. Sec. 20 and 29, Twp. 5 S. R. 75 W.
2. Plat showing position of surveys Nos. 981 A and 982 A, Bell East & Bell West lodes, Survey No. 12244 California & Sunburst lodes and Terrible & Holy Terror lodes, Snake River Mining District, Summit County, Colo. J. P. Hallihan, U. S. Dept. Min. Sur. 1896. Sec. 3, Twp. 6 S., R. 75 W.
Snake River Mining District.
3. Map showing the Fremont-Vineta Oil & Gold Mining Company, Summit County, Colo. Secs. 15 and 22, Twp. 6 S., R. 77 W. "Hamilton," "Cashier," F. C. Cramer, 1902.
Jo Davis Mining District.
4. Map showing standard workings on 8271 Ethelena and 8271 Nahant lodes. Sec. 29 and 32, Twp. 6 S., R. 77 W., Summit County, Colo. F. C. Cramer. n.d.
McKay Mining District.
5. Plat of the "Naperville" Tunnel and a portion of the "Eureka" workings 2336, McKay Mng. Dist. Summit County, Colorado. Sec. 30, Twp. 6 S., R. 77 W. (Naperville 2965) Fred C. Cramer, 1899.
McKay Mining District.
6. Map of mining claims Summit County, Bevan Mining District, on French Gulch. (242 Robley, 2204 Grey Horse, 1353 Emile Placer.) 1913. Sec. 33, Twp. 6 S., R. 77 W.
Bevan Mining District.
7. Map of 5704 Elephant Tunnel, Mill Tunnel, 5704 Emperor Tunnel, Sec. 35, Twp. 6 S., R. 77 W., Summit County, Colo. Fred C. Cramer. 1909.
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.
9. Plat of Last Dollar & Enterprise mines, on Farncomb Hill (including the Wapiti mines and 3068 Clark Placer). Sec. 35, Twp. 6 S., R. 77 W. Fred C. Cramer 1898.
Avalanche Mining District.
10. Map of the Sallie Barber mines, Bald Mountain, Bevan Mng. Dist., Summit County, Colo. T.A. Brown. 1906. Sec. 4, Twp. 7 S. R. 77 W.
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.
15. Excelsior property, Wilkinson Mining District, Summit County, Colo. (1208 Beaver Placer, 14022 King Solomon Placer on Ten Mile River). F. C. Cramer, M. E. n.d. Secs. 33 and 34, Twp. 5 S., R. 78 W.
Wilkinson Mining District.
16. Map of mining claims 19220 Bay State 2-13, Sec. 2, Twp. 8 S., R. 78 W., Summit County, Colorado. Fred C. Cramer. n.d.
Pollock Mining District.
17. Map of mining claims in 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.)

Summit County (Cont'd.)

18. Map of Kokomo and Robinson mining districts,
Summit County, Colo. Fred J. McNair, 1916.
Secs. 22 and 27, Twp. 7 S., R. 79 W.
Kokomo & Robinson Mining Districts.
19. Map of claims in Secs. 10 and 15, Twp. 6 S.,
R. 76 W. n.d.
Snake River Mining District.
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 B. Cramer,
n.d.
Swan River Mining District.
22. Map of mining claims in Secs. 23 and 24,
Twp. 5 S., R. 77 W. Fred C. Cramer. n.d. Frey
Placer 5687.
Beaver Dam Mining District.
23. Map of mining claims Secs. 20 and 21, Twp.
6 S., R. 77 W. Geo. B. Cramer. n.d.
Union Mining District.
24. Map of unpatented claims in Sec. 22 Twp.
6 S., R. 77 W. Fred C. Cramer. n.d. Berten,
Lookout and Chester claims.
Bevan Mining District.
25. Map of placer claims in Secs. 24 and 25,
Twp. 6 S., R. 77 W. F. C. Cramer. n.d.
Swan River Mining District.
26. Map of claims in Sec. 32, Twp. 6 S., R. 77
W. 1285 Louis D. Placer. Fred C. Cramer. n.d.
Bevan Mining District.
27. Map of mining claims Secs. 32 and 33, Twp.
6 S., R. 77 W. n.d.
Bevan Mining District.
28. Survey No. 11704 Leadville Land District.
Claims in Sec. 33, Twp. 6 S., R. 77 W. n. d.
Bevan Mining District.
29. Map of workings Wellington mine. Sec. 33,
Twp. 6 S., R. 77 W. n.d.
Bevan Mining District.
30. Map of mining claims in Sec. 34, Twp. 6
S., R. 77 W. Geo. B. Cramer. n.d. 19310 La
Kota Placer.
Avalanche 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.
33. Map showing 1349 Hunt placer, and 1134 Bart-
lett & Shock placer "Dedicated." Sec. 6, Twp.
7 S., R. 77 W. Fred C. Cramer. n.d.
Spaulding & Miners Mining District.
34. Map of claims Sec. 6, Twp. 7 S., R. 77 W. n.d.
Miners Mining District.
35. Plat of Gold Nugget Placer, Indiana Gulch,
Sec. 18, Twp. 7 S., R. 77 W., Summit County,
Cramer & Hallihan. nd. 5225 Golden Crown Placer.
Miners Mining District.
36. Map of claims Survey No. 13898 Leadville
Land Dist., Sec. 18, Twp. 7 S., R. 77 W.
Fred C. Cramer. 1900.
Pollock Mining District.
37. Map of claims in Secs. 18 and 19, Twp. 7 S.
R. 77 W. F. C. Cramer, n.d.
Spaulding & Miners Mining Districts.
38. Map of placer claims Sec. 1, Twp. 8 S., R.
78 W. 2154 Saw Log Placer.
Pollock Mining District.
39. Map of mining claims Sec. 6, Twp. 8 S., R.
77 W. n.d.
Pollock Mining District.
40. Map of claims Secs. 19, 30, 31, Twp. 9 S.,
R. 77 W. Fred C. Cramer. n.d. 1487 Candler
placer. Blue River Placer No. 5, 6, and 7.
Union Consolidated Mining District.
41. Map of workings. The Excelsior mine, Summit
County, Colo. Sec. 33, Twp. 5 S., R. 78 W. n.d.
Wilkinson 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. Plat 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, Boom placer.
Spaulding Mining District.
46. Map of mining claims and under-ground surveys of the Summit Mining & Smelting Co., the Boise Gold & Silver M. & M. Co., The Delaware Gold M. & M. Co. E. E. Byron, P.B. Cantwell, P. W. Breene, W. A. Polkinghorn and Edward F. Bishop. Elk Mountain. Consolidated Ten Mile Mng. Dist. 1904. Sec. 22, Twp. 7 S., R. 79 W.
Ten Mile Mining District.
47. Summit County map. Sec. 24, Twp. 7 S., R. 79 W. n.d. 1826 Clinton placer. 1305 Emmett & Lowe placer.
Kokomo Mining District.
48. Properties of the Reliance Gold Dredging Co. accompanying the report of Ben Stanley Revett. Secs. 30, 31 & 32, Twp. 7 S., R. 79 W. n.d.
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.
53. Map of mining claims in Sec. 6, Twp. 8 S., R. 77 W. n.d. Saw Log 2154.
Pollock Mining District.
54. Gold Cord Tunnel, owning mines interlined. Page 81-1/2 of the Mine Managers' Reports for the year 1901, Colorado State Bureau of Mines. Sec. 14, Twp. 7 S., R. 79 W.
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. Twp. 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.
4. Cresson Consolidated Gold Mining Company. Map of claims in Sec. 20, Twp. 15 S., R. 69 W. n.d.
Cripple Creek Mining District.
5. Map of the property of the Gold Dollar M. Co., and the "Mabel M." M. & M. Co. being a part of Arequa townsite, Cripple Creek Mining Dist., Colorado. W. H. Leffingwell, M.E. Sec. 30, Twp. 15 S., R. 69 W.
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 Mng. 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 G.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, 28 and 29, 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.
12. Little Emma Lode. Page 180, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. Tenderfoot Hill. N. $\frac{1}{2}$ Sec. 3, Twp. 15 S. R. 69 W.
Cripple Creek Mining District.
13. Plat showing Abe Lincoln Lode. Page 2, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. Poverty Gulch, on N.W. slope of Gold Hill. S. E. $\frac{1}{4}$ Sec. 13, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.
14. Map showing section along line of "Abe Lincoln" vein. Page 2, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. Poverty Gulch, on N.W. slope of Gold Hill. S.E. $\frac{1}{4}$ Sec. 13, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.
15. Cross section Iron Clad mine. Page 146, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. Iron Clad Hill, S. E. $\frac{1}{4}$ Sec. 18, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.
16. Moon Anchor mine. Page 232, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. N. W. slope of Gold Hill, Secs. 18 and 19, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.
17. Underground workings of the Gold King Mining Co., on the El Paso Lode. F. E. Willis. Page 93, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. In Poverty Gulch. South slope of Tenderfoot Hill. N. W. $\frac{1}{4}$ Sec. 19, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.
18. E. Porter, Gold King shaft. Page 121, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. South slope of Gold Hill, N. W. $\frac{1}{4}$ Sec. 19, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.
19. Cross section Kitty M. Mine. Page 161, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. North slope Gold Hill, N. W. $\frac{1}{4}$ Sec. 19, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.
20. Cross section of Poorman mine (Peterson lease) Page 260, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. N. W. slope of Raven Hill, S. W. $\frac{1}{4}$ Sec. 19, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.
21. Grouse mine. Page 124, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. On Bull Hill. Sec. 20, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.
22. Cross section Star of Bethlehem. Page 292, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. Bull Hill. Sec. 20, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.
23. Cross section Specimen mine. Page 310, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. South slope Bull Hill, S. E. $\frac{1}{4}$ Sec. 20, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

24. Cross section Hanna Britt mine, Page 129, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. Bull Hill, N. W. $\frac{1}{4}$ Sec. 20, Twp. 15 S., R. 69 W. Cripple Creek Mining District.
25. Lucky Gus mine. Page 195, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. North slope Bull Hill. S. E. $\frac{1}{4}$ Sec. 21, Twp. 15 S., R. 69 W. Cripple Creek Mining District.
26. Cross section of the Midget mine. Page 197, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. West slope of Gold Hill. N. E. $\frac{1}{4}$ Sec. 24, Twp. 15 S., R. 69 W. Cripple Creek Mining District.
27. Cross section Keystone mine. Page 158, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. West slope of Gold Hill, Sec. 24, Twp. 15 S., R. 69 W. Cripple Creek Mining District.
28. Plan of Legal Tender. Page 166, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. N.W. $\frac{1}{4}$ Sec. 28, Twp. 15 S., R. 69 W. Cripple Creek Mining District.
29. Vertical longitudinal section of the Strong Mine, looking west. J. F. Smith, C. E. Page 302 302, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. South slope of Battle Mountain, Sec. 29, Twp. 15 S., R. 69 W. Cripple Creek Mining District.
30. "No. 1." Blue Bird Incline Shaft, Blue Bird Mine, Page 40, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. N. W. $\frac{1}{4}$ Sec. 29, Twp. 15 S., R. 69 W. Cripple Creek Mining District.
31. Requa-Savage Lode claim. 9015 Roman. Page 253, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. N. W. $\frac{1}{4}$ Sec. 30, Twp. 15 S., R. 69 W. Cripple Creek Mining District.
32. Maloney workings, Page 247, Inspector of Mines Reports for the year 1897, Colorado State Bureau of Mines. Twp. 15 S., R. 69 W. Cripple Creek Mining District.
33. Map of workings on the property of the Anchoria-Leland Mining & Milling. Moon Anchor, Baby McKee and other shafts. 7 sheets (2nd. sheet missing). Secs. 18 and 19, Twp. 15 S., R. 69 W. n.d. 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. 11, 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.
37. Map of Anchoria-Leland Mining & Milling Co. Workings 1st. to 11th. level incl. (3 sheets). n.d. Secs. 18 and 19, Twp. 15 S., R. 69 W. 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 8, 8- $\frac{1}{2}$, 9 to 24. (Sheets 1 and 2 missing). S. W. $\frac{1}{4}$ Sec. 20, Twp. 15 S., R. 69 W. Cripple Creek Mining District. Filed in 3 folders - 39 A, B and C.
40. Joint survey of surface and Deadwood, 1st. level. E. P. Arthur and E. C. Phillips. N.d. Sec. 20, Twp. 15 S., R. 69 W. Cripple Creek Mining District.

41. Underground workings Cresson shaft. 17 shts. (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) nd. N. $\frac{1}{2}$ 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. 29, 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, 2450, 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.
45. Portland Mine, Independence shaft. "A" level, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1150 and 1400 Ft. level (12 shts). n.d. Sec. 29, Twp. 15 S., R. 69 W. Cripple Creek Mining District.

46. International. Portland Gold Mining Co. Ajax shaft, Gold Coin Shaft, Dillon Shaft, Portland #1 and #2 shafts. 25 sheets. Surface. Vertical sections 1300 N. and 948. Profile Section, Sections 1 to 21 (15, 17 and 19 missing) n.d. Sec. 29, Twp. 15 S., R. 69 W. 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 8414 Eclipse No. 1, 8168 Joe Dandy. n.d. Sec. 30, Twp. 15 S., R. 69 W.
50. Rubie-Last Dollar-Medoc geology, Cripple Creek, Colorado, August 28, 1923. 25 map sheets. Victor G. Hills (signed) S. E. $\frac{1}{4}$ Sec. 20, N. E. $\frac{1}{4}$ Sec. 29, Twp. 15 S., R. 69 W. Cripple Creek Mining District.

M A P S

P E T R O L E U M

Adams County

1. Derby structure, Adams County, Colorado. Structure contours. Charles T. Lupton. 1933. Twps. 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. Milkovesky. n.d. Twps. 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. Twps. 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. Twps. 20 and 21 S., Rs. 56 & 57 W.

Dolores County

1. 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.
2. Dolores Anticline. Dean E. Winchester. 1928. Twps. 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

1. Garmesa No. 1 Well. Gypsy Oil Co., 35 miles northwest of Grand Junction, Colorado. S. W. $\frac{1}{4}$ of S. E. $\frac{1}{4}$ Sec. 5, Twp. 8 S., R. 102 W.
2. Map of Battlement Mesa Oil shale placer mining claims in Porcupine Creek, Garfield, County, Colorado. Sec. 36, Twp. 7 S., R. 94 W. (Unsurveyed) n.d.

3. Map showing oil shale properties in Parachute District, Garfield County, Colorado. Twp. 7 S., R. 95 W., northwest of City of Grand Valley. J. W. Mangrall. n.d.
Parachute District.

Grand County

1. The Granby Anticline. Grand County, Colo. Charles T. Lupton, Geologist, 1930, Twps. 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. Twps. 6 and 7 N., R. 81 W.
Fuller Anticline

Las Animas County

1. Map of Hoopup Structure. Victor Ziegler and Joseph H. Turner, Geologists. Twp. 30 S., R. 53 W.

Mesa County

1. North and South section of the Grand Junction Structure by Cleve Langsten. n.d.
2. Map of High Line Structure, L.R. Von Burg. 1921. Northeast of Gateway. Twp. 8 S., Rs. 103 and 104 W.
3. The Redlands, Mesa County, Colorado, from photo by Chas. Rump. Looking N. 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. Kneals 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

1. Map of East Paradox Valley, Montrose County, Colorado. Prepared for the Midwest Refining Company, Carroll H. Wegemann, Chief Geologist, by Kenneth S. Ferguson, 1924. Twps. 45, 46 and 47 N., Rs. 16, 17 and 18 W., N.M.P.M.

Pueblo County

1. Map of "Yellow Banks Dome," Pueblo County, Colorado. E. M. Treat & Co. By Albert R. Beymer 1924. Twps. 24 and 25 S., Rs. 60 and 61 W.

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 Urado District, Colorado. Twps. 3, 4 and 5 S., Rs. 102, 103 and 104 W., southwest corner of Rio Blanco County.
4. Map of the holdings of the Cathedral Bluff Trust and the Hutton Shale Oil & Refining Co. Twps. 1 and 2 S., Rs. 99, 100 and 101 W. n.d.

- Map showing Wilson Creek or "Devil's Hole" Dome by W. C. Kneals 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. Dean E. Winchester. 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 Reiter-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.

C O R R E C T I O N S

La Plata County

14. 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

4. Kittimac mine workings. Western portion. n.d. Sec. 28, Twp. 42 N., R. 6 W.
Eureka Mining District
See Lone Wolf Mining Co.

I N D E X

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

P A R T III

- Abe Lincoln lode: Maps, Teller County, 13, 14.
 Acme M. & M. Company: Patrick, 1.
 Aco Mining Company: Berger and Sayre, 1.
 Adams County, petroleum: Lupton, 1;
 McCain, 1; U.S.G.S., 5; Well Logs, 1;
 Maps, petroleum, Adams County, 1, 2.
 Ada placer: Maps, mines, Summit Co., 48.
 Aetna mine: Trippe, 1.
 Agate: Beckstrom, J. F., 1.
 Ajax shaft: Maps, mines, Teller County, 46.
 Alabaster: Beckstrom, J. F., 1.
 Aladdin placer: Maps, mines, Park Co., 3.
 Alamosa County, petroleum: See Maps, petroleum,
 Saguache County, 1; Well Logs, 1.
 Alaska-Acapulca group: Bradish, 1.
 Alaska M. & M. Company: Scofield, 1.
 Albion group: Holden, 1.
 Albro Extension M. & M. Company: Maps, mines,
 Clear Creek Co., 5.
 Alcalde Gold Mining Company: Farish, W. A., 1.
 Alerton placer: Maps, mines, Hinsdale Co., 2, 7.
 Alhambra placer: Maps, mines, Lake Co., 9.
 Alicante mine: Schwarz, 28.
 Alice mine: Shaffer, 1.
 Alice placer: Maps, mines Lake Co., 9.
 Alleghany group: Schwarz, 33.
 Alleghany placer: Maps, mines, Lake Co., 9;
 Park Co., 4, 7.
 Alma Gold M. Co.: Maps, mines, Clear Creek
 County, 3.
 Alma mining district: Maps, mines, park Co., 1.
 Alpine placer: Maps, mines, Gunnison Co., 7.
 Altoona group: Bradish, 3.
 Amazon lode: Schwarz, 1.
 American Fluorspar Corporation: Ritter 1.
 American mine: McNair, 1.
 American Mines Syndicate Co.: Van Wagenen, 1.
 American placer: Maps, mines, Eagle Co. 4.
 American Sisters Mining Company: Maps, mines,
 Clear Creek County, 9.
 American tunnel: Maps, mines, Park Co., 9.
 Amethyst: 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-Island Mining & Milling Company:
 C. S. B.M. 63, 78; Maps, mines, Teller
 County, 33, 37, 38.
 Andora placer: Maps, mines, Lake County, 9.
 Andrews lode: Schwarz, 36.
 Angel group: Bradish, 6.
 Angle Saxon placer: Maps, mines, Ouray Co., 2.
 Angora placer: Maps, mines, Lake County, 9.
 Animas River placer: McCausland, 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.
 Arculeta 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. & M. Co.: Deems, 1.
 Ariadne holdings: Kennedy, 1.
 Arikaree anticline: Harrison, 1.
 Arizona placer: Maps, mines, Lake Co., 9.
 Arkansas placer: Maps, mines, Lake Co., 9.
 Arkansas river: Maps U. S. G. S. 26.
 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: Rohlfling, 1.
 Atlas mine: C. S. B. M. 37.
 Augusta Metal Mining Co.: C. S. B. M., 25.
 *Arapahoe Co., petroleum: McCain, 1; Well Logs, 1.

Auriferous lode: Holmes, W. I., 13.
 Aurora group: Wayt, 1.
 Australia Gulch placer: Maps, mines, Summit
 County, 10, 11.
 Averyite: Ionides, 3.
 Aztec claim: R Trippe, 1.

B

Baby McKee shaft: Maps, mines, Teller Co., 33.
 Baca County, petroleum: Well Logs, 1.
 Bachelor Mining Co.: Maps, Mines, Mineral
 County, 13.
 Bachelor Mountain: Hills, 1; Maps, mines,
 Mineral County, 4.
 Badger state placers: Maps, mines, Costilla
 County, 1.
 Badito-Alamo region: Prommel, 6.
 Ballarat placer: Maps, mines, Summit County, 3.
 Ballarat property: Haldane, 1.
 Barela gas field: Pinkley, 1.
 Barite: Beckstrom, J.F., 1; Burger, 3.
 Barium: Beckstrom, J. F., 1.
 Barker Creek Dome: U. S. G. S., 4.
 Barnes-Gaunlet group: Fuller, 1.
 Barnes group: Holland, 1; Rank, 1.
 Barry lode: C. S. B.M., 29.
 Bartholomew placer: Maps, mines, Lake Co., 9.
 Bartlett & Shock placer: Maps, mines,
 Summit County, 33, 48.
 Basalt: Bancroft, 1; U. S. G. S., 7.
 Bates-Bonanza mines: Ashbaugh, 5.
 Battlement Mesa oil shale placer claims:
 Maps, petroleum, Garfield Company, 2.
 Battle Mountain: Maps, mines, Eagle Co., 3.
 Bauxite: Beckstrom, J. F., 1.
 Baxter mine: Byron, 7.
 Baxter prospect: Keen, 1.
 Bear Mountain group: Noon, 1.
 Beaver Springs placer: Maps, mines, Teller
 County, 34.
 Beaver placer: Maps, mines, Summit County, 15.
 Bedrock placer: Maps, mines, Summit Co., 3.
 Bedrock placer: Maps, mines, Summit Co., 48.
 Bell East lode: Maps, mines, Summit Co., 2.
 Belle of the West group: Bradish, 2.
 Belle placer: Maps, mines, Lake County, 9.
 Bellman lode: Schwarz, 1.
 Bemrose placer: Calloway, 1.
 Bemrose & Postwick placer: Maps, mines,
 Summit County, 38.
 Bend placer: Maps, mines, Ouray County, 2.
 Bengal Tiger mine: Maps, mines, Lake Co., 4.
 Bent County, petroleum: Hager, 1; Well
 Logs, 1.

Bentonite: Beckstrom, J. F., 1.
 Berlin placer: Maps, mines, Summit County, 30.
 Berthoud anticline: U. S. G. S., 2.
 Beryl: Anonymous, 1; Bancroft, 1; Burger, 3;
 Walker, Thomas H., 1.
 Beryllium: Burger, 3; Walker, T.H., 1.
 Bessie Junior: Craig, 1.
 Bicycle mountain: C. S. B. M., 5.
 Big Evans Mining Company: Schwarz, 27.
 Big Five mine: C. S. B. M., 4.
 Big Five mines, C. S. B. M., 3.
 Big Five Tunnel: Big Five Tunnel, 1; Maps,
 mines, Clear Creek Company, 3.
 Big Horn group: Bradish, 6.
 Big Nugget placer: Maps, mines, Summit County, 18.
 Big Revenue group: Maps, mines, Clear Creek
 County, 3.
 Big Vein group: Maps, mines, La Plata Co., 14.
 Black Claud group: Maps, mines, Park Co., 6.
 Rimetallist-Hawkeye claims: Downer, 1.
 Bitter Creek camp, Montrose County: Charts,
 mines, Labor Costs, 2;
 Radium Company of Colorado, 1.
 Black Diamond placer: Maps, mines, Summit Co., 17.
 Black Diamond property: Becker, 1.
 Black Hills area: Gould, 1.
 Black Oil: Lowrie, Jr., 1.
 Black Queen mine: Mitchell, 1.
 Black Queen Mining Co.: C. S. B. M., 25.
 Black Wolf anticline: Harrison, 1.
 Blair placer: Maps, mines, Ouray County, 2.
 Blanche placer: Maps, mines, Teller Co., 34.
 Bleakhouse placer: Maps, mines, Summit Co., 39.
 Blind Tom mine: Iron Silver Mng. Co., 1.
 Blue Bird shaft: Maps, mines, Teller County, 30.
 Blue River: U. S. G. S., 31.
 Blue River placer: Holmes, W. I., 18; Maps,
 mines, Summit County, 40, 48.
 Bluestone lode: Holmes, W. I., 2.
 Boise Gold & Silver M. & M. Co.: Maps, mines,
 Summit County, 46.
 Bolivar placer: Maps, mines, Park Co., 3.
 Boma lode: Taylor, 1; Maps, mines, Fremont
 County, 1.
 Bonaccord Gold M. & M. Company: Schwarz, 35.
 Bonanza mining district: U. S. G. S., 34.
 Bonanza placer: Maps, mines, Pitkin Co.,
 12; Summit Co., 48.
 Bon Ton and Carbonate group: Boehmer, 1.
 Book Cliffs: Emrich, 1.
 Boom placer: Maps, mines, Summit Co., 45.
 Borck, A. J., Ranch: Burger, 2.
 Boston placer: Maps, mines, Park Co., 3.
 Boston placer: Maps, mines, Summit Co., 18.

Boulder County, maps: See Part II of Catalogue.

Boulder County, mineral resources:

fluorspar 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. & L. 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-Poorman Relief group, Fair, 6;

Colorado lode claim, Holmes, W. I., 6;

Columbia mine, Murray, 1;

Comstock group, Fair, 3;

Dolly Varden group, Byron, 6;

Eldora Mines Company, Teal, 1;

Emancipation mine, Prommel, 7;

Fair County group, Smith, J. N., 1;

Finch group, Rule, 1;

Frank Heizelman group, Heizelman, 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 mine, 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, Massey, 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 Mng. Co., Farish, Fred G., 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;

Tambourene 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 Extration 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 claim, 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.

Brea: 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.

Brown placer: Maps, mines, Summit County, 25.

Brush Hollow anticline: Winchester, 2.

Bull Hill & Straub Mountain group: United

Gold Mines Co., 1, 2.

Burlington-Boulder M. & M. Co.: Maps,

mines, Boulder Co., 3.

Burns lode: Holmes, W. I., 9.

Burroughs Park group: C. S. B. M., 48.

Burroughs placer: 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.

Camp Bird Limited: C. S. B. M., 35, 36.

Candler placer: Maps, mines, Summit County, 40.

C. & P.C. & M. Co.: Maps, coal Fremont Co., 1.

Canon City coal field: Maps, coal, Fremont County, 1.

Canon City embayment: Kessler, 1.

Canterbury tunnel: Kleff, 1.

Capitol placer: Maps, mines, Lake Co., 9.

Captive Inca Mining Company : Schwarz, 10.

Carbonate-Bon Ton group: Ritter, 4.

Carbonere anticline: Winchester, 1.

Carbon Dioxide gas: Emrich, 1; Strieby, 1; Winchester, 1.

Carbonization of coal: Greene, 1;

Ionides, 1, 2; Laucks, 1.

Caribou mine: George and Fair, 1, 2.

Carr placer: Maps, mines, Summit Co., 39.

Carnotite: Burger, 3; Radium Company of Colo. 1.

Carnotite Products Company: Charts, mines, Labor Costs, 2.

Carpenter Flats camp, Montrose County:

Charts, mines, Labor Costs, 2;

Radium Company of Colorado, 1.

Cass placer: Maps, mines, Lake Co., 9.

Catalogue: Andrews, 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 mining district: Maps, mines, Gilpin Co., 5.

Central Seventy Acre group: Consolidated Extension Mines Co., 1.

Central Tunnel level: Big Five Tunnel, 1.

Century Mines, Inc.: Maps, mines, Clear Creek Co., 7.

Chaffee County, maps: see Part II of Catalogue.

Chaffee County, mines:

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

Calumet, Colorado, mining district,

Osborne and Rainwater, 1;

Collins group, Callin, 1;

Copper King of Colorado, C. S. B. M., 8;

Giant-Eclipse Consolidated Mines Co.,

C. S. B. M., 7;

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, Croser, 1.

Chaffee County, non-metals:

American Fluorspar Corporation, Ritter, 1;

Fluorspar, Analysis of, Mausheim, 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.

Chain O'Mines, Inc.: W. W. Wilmore, et al., 1.

Chair Creek tunnel site: Maps, coal,

Gunnison Co., 3.

Champion group: Cason, 1.

Champion placer: Maps, mines, Summit Co., 17.

Chapman placer: Maps, mines, Lake Co., 9.

Char: Greene, 1; Ionides, 1, 2.

Charleston 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.

Clay: Beckstrom, J. F., 1.

see also, Fuller's Earth.

Clay, 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 Wagenen, 1;

Andrews lode, Schwarz, 36;

Bellman and Amazon lodes, Schwarz, 1;

Clear Creek County, mines: - Continued.

Big Five tunnel, Big Five Tunnel, 1;
 Bonaccord Gold M. & M. Co., Schwarz, 35;
 Burns lode, Holmes, W. I., 9;
 Colorado Diamond Tunnel Silver Mining Co., Schwarz, 19;
 Consolidated Pay Rock Mining Co., Schwarz, 20;
 Continental Mines, Power & Reduction Co., C. S. B. M., 14, 15;
 Crown Point-Virginia mines, Byrnes, 1;
 Douglas Mountain Mining Co., Beeler, 2;
 Fall River property, Worthington, 1;
 Four Mile Gulch Mining Co., Schwarz, 5;
 Freeland mines, Church, 1; Smith, Charles A., 1;
 Friend group, Arthur, Jr., 2;
 Golden Empire Mining Co., C. S. B. M., 16;
 Gold Pit Placer Co., Gold Pit Placer Co. 1;
 G. W. T. mine, Fooks, 1;
 Highland and adjoining claims, Prommel, 11;
 Humboldt Consolidated Mining Co., Humboldt Consolidated Mining Co., 1;
 Huntington lode, Schwarz, 6;
 Idaho Springs Gold Producing Co., C.S.B.M. 12;
 Idaho tunnel, Joyce, 1;
 Ingham group, Broadman, 1;
 Iron Mask group, Beeler, 1; Holmes, R. W., 1;
 McFadden, G. B., 1;
 Schooley, 2;
 Knickerbocker tunnel, C. S. B. M., 9;
 Lexington group, Kellogg, 1; Wiasser, 1;
 Mattie Consolidated Mines, Inc., Knight, 1;
 Maxwell Concentrating Mill, C. S. B. M. 17;
 Mineral Chief mine, Maxwell, 1;
 McFadden, G. B., and McFadden, C. D., 1
 Monarch properties, C. S. B. M., 10;
 Neath mine, Smith, Jr., C. A., 1;
 Newhouse tunnel, C. S. B. M., 13;
 North American Mining Company, Sanderson, 1;
 Ottawa group, Colpitt, Funk and Kaminky, 1;
 Pennsylvania Mining, Power and Reduction Company, Dutton, 1; Marks, 1;
 Pennsylvania M.P. & R. Co., 1; Sadtler, 1;
 Peter Sweeney group, Purdy, 1;
 Pewabic Consolidated Gold Mines Co., C. S. B.M., 22;
 Pioneer Extension and other groups, Holmes, W. I., 10;
 P.T. mine, Anonymous, 1;
 Red Elephant Mountain group, Webster, Jr., 1;
 Seaton-Hayden group, Marchington, 1;
 Shafter Mining Co., Holmes, W. I., 11;
 Stanley Mines Company, C. S. B. M., 11;
 Trenton-Jefferson City claims, Le Maistre, 1;

Clear Creek County, mines: - Continued.

West Gold Mining Co., West Gold Mng. Co., 1;
 W. W. Wilmore, et al. vs Chain O' Mines, inc. and Mattie Consolidated Mining Co., 1;
 placers: 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.
 Cliff camp, Montrose County: Charts, mines, Labor Costs, 2; Radium Co. of Colorado, 1.
 Clint placer: Maps, mines, Lake Co., 10.
 Clinton placer: Maps, mines, Summit County, 47.
 Clover Creek district: Maps, mines, Saguache County, 1.
 C.M. S. Mines Company: Maps, mines, Mineral County, 17.
 Coal,
 distillation: Greene, 1; Ionides, 1, 2; Laucks, 1.
 Gunnison County: Tonge, 2; U. S. G. S., 8.
 industry, early history of: Miller, 1.
 Maps: see Part II of Catalogue.
 Mesa County: Peckstrom, J. F. 1.
 Moffat County: U. S. G. S., 15, 16;
 Ute Coal Co., 1.
 Montrose County: U. S. G. S., 9.
 Routt County: U. S. G. S., 10, 11, 16, 17.
 C.O.D. mine: Arthur, Jr., 1; Ritter, 9.
 Coke: Greene, 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).
 mines, charts, mining districts:
 see Part II of Catalogue.
 mines, maps: see Part II of Catalogue.
 mines, metalliferous: C. S. B. M., 8;
 Joyce, 2.
 petroleum: Prommel, 10; U. S. G. S., 19, 35; Woll Logs, petroleum and water, 1.
 petroleum, charts, tentative correlation:
 see Part II of Catalogue.
 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.M., 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.,
20; Winchester, 7.
- Colorado Juneau Mines, Inc.: Brecken, 1.
- Colorado lode claim: Holmes, W. I., 6.
- Colorado Metal Mining Fund: U. S. G. S., 20.
- Colorado River: U. S. G. S., 21, 22, 23.
- Colorado Springs, City coal mine of:
Maps, coal, El Paso Co., 1.
- Colorado Springs Mining Stock Association, 1.
- Colorado State Bureau of Mines; C. S. B. M., 1-80.
- Colorado State Mining Assn., C. S. M. A., 1.
- Colorado State Planning Board: C. S. P. B., 1, 2.
- Colorado State Planning Commission: Andrews, 1.
- 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-Menona group: C. S. B. M., 52
- Columbia placer: Maps, mines, Lake Co., 13,
14; Summit Co., 18.
- Columbium: Burger, 3.
- Columbus Mines Co.: Reed, 8.
- Comet Flat vein: C. S. B. M., 68.
- Comodore placer: Maps, mines, Summit Co., 32.
- Comstock group: Fair, 3.
- Comstock mine: Toll, 1.
- Concentration: Benjovsky, 3; see also
Smelting & Refining.
- Conejos County, mines:
Mine Records, C. S. B. M., 80.
petroleum: Well Logs, petroleum and
water, 1.
- Conejos group: United Gold Mines Co., 1, 2.
- Connors Bonanza group: Tonge, 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, 14.
- 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: Boehmer, 2.
- Continental Divide: Van Wagenen, 1.
- Continental Mines, Power & Reduction Co.:
C. S. B. M., 14, 15.
- Cooper placer: Maps, mines Teller Co., 11, 34.
- Copper: Ashbaugh, 4; Beckstrom, 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.
- Corkscrew placer: Maps, mines, Summit Co., 48.
- Corwin placer: Maps, mines, Hinsdale Co., 7.
- Costilla County, maps: see Part II of Catalogue.
- Costilla County, mines:
Mine Records, C. S. B. M., 80;
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.
- Crank case drainings: Ionides, 3.
- Creede: Maps, mines, Mineral Co., 1, 2.
- Creede camp: Maps, mines, Mineral Co., 3.
- Creede Flat vein: Hills, 1.
- Creede Mines, Inc.: Clark, 2.
- Creedmoor Mining Co.: Maps, mines,
Mineral Co., 6.
- Creede placers: Maps, mines, Mineral Co., 5.
- Creede United Mines, Maps, mines,
Mineral Co., 11.
- Cresson Consolidated Gold Mining Co.:
Maps, mines, Teller County, 41.
- 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; Pohwer, 1;
Well Logs, petroleum and water, 1.
- Crown placer: Maps, mines, Summit County, 36, 37.
- Crown Point-Virginia mines: Byrnes, 1.
- Crude oil: Laucks, 1.
- Crystal, Gunnison County: Maps, mines,
Gunnison Co., 4.
- C. S. placer: Maps, mines, Lake Co., 9.
- Cumberland mine: Reed, 6.
- Custer County, maps: see Part II of Catalogue.
- Custer County, mines:
Mine Records, C. S. B. M., 80;
Humboldt-Pocahontas mines; Smith, J. R., 1;
Opkir lode claims; Martine, 2;
Passiflora Mining & Milling Company,
Bradley, 1, Vidler, L. W., 1.

Colorado - Continued.

Custer County - Continued.

non-metals: Sharer, 1.

petroleum: Well Logs, petroleum and water, 1.

Cute Mc placer: Maps, mines, Lake Co., 9.

Cyclone lode: Iron Silver Mining Co., 1.

Czar placer: Maps, mines, Lake Co., 9.

D

Daisy group: Dwell, 1.

Daisy placer: Maps, mines, Summit Co., 39.

Damon group: United Gold Mines Co., 1, 2.

Danforth Hills coal district: Ute Coal Co., 1.

Daniel Asper: placer: Gold Pit Placer Co., 1.

Dark Horse placer: Maps, mines, Teller County, 34.

Daughter of Gold lode claim: Holmes, W. I., 1.

Davenport placer: Maps, mines, Summit County, 36.

Daveys map of Hinsdale County: Maps, mines,
Hinsdale Co., 1.

David H. Mining property: Ritter, 6.

Day's Gulch placer: Maps, mines, Summit Co., 21.

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, 48.

Denver City property: Schwarz, 32.

Denver Fire Clay Co.: Denver Fire Clay Co., 1.

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.

Detroit placer: Maps, mines, Lake Co., 10.

Develing and Pandora mining claims: Fair, 2.

Dovlin lode: Iron Silver Mining Co., 1.

Dew Drop claims: Martine, 6.

Dewey lode: Maps, mines, Summit Co., 13.

Dewey placer: Maps, mines, Summit Co., 34, 37.

Dillon shaft: Maps, mines, Teller Co., 46.

Distillation of coal: see Coal Distillation.

Ditch & Fluming Company's placer: Maps,
mines, Lake Co., 9.Divide Creek anticline: Perini, Jr., and
Lavington, 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.

Dolores River: U. S. G. S., 29.

Donovan lode: Rosenberg, T., 2.

Dorit-Perkins group: Maps, mines, Clear Creek
County, 12.

Douglas County, mines:

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

petroleum: Well Logs, petroleum and water, 1.

Douglas Creek structure: Maps, mines,

Rio Blanco Co., 1; McLeod, J. D., 1.

Douglas Lake anticline: U. S. G. S., 2.

Douglas Mountain Mining Co.: Beeler, 2.

Dove Creek anticline: Brown, P. F., 1.

Drainage tunnels:

Leadville tunnel (proposed), Dickerman, 1;

Kleff, 2; Southern Colorado Power Co., 1;

See also Pumping Plants.

Dry Creek anticline: Brown, P. 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.

Dump placer: Maps, mines, Eagle Co., 4.

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.

Dutch placer: Maps, mines, Lake Co., 9.

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., 18;

Polar and Rocky Point group, C. S. B. M.,
19;

Santa Eulalia Mines Co., Ritter, 3.

placers: Maps, mines, Eagle Co., 3, 4, 5.

Eagle County - Continued.

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

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

Eagle River: U. S. G. S., 24.

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

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

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

East Notaway lode: Schwarz, 23; Maps, mines, Gilpin County, 22.

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

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

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

Edna placer: Maps, mines, Lake Co., 9.

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.

Elkton Consolidated M. & M. Co.: C. S. B. M., 65.

El Paso Consolidated Gold Mining Co.: C. S. B. B., 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, Strieby, 1.

mines:
Mine Records, C. S. B. M., 80;
Iron King mine, Burger, 1.

petroleum: Well Logs, petroleum and water, 1.

water: Cannon, 1.

El Paso lode: Maps, mines, Teller Co., 17.

El Paso tunnel: C. S. B. M., 74.

Emancipation mine: Prommel, 7.

Emerald Isle claim: Boehmer, 2.

Emile placer: Maps, mines, Summit Co., 6.

Emilina claim: Schwarz, 16.

Emma and Mabel placer: Maps, mines, Lake Co., 13.

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

Emmons Mountain Mining & Milling Co.: C. S. B. M., 24.

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

Empire lode: Tulley, 1.

Engle placer: Maps, mines, Summit Co., 48.

Enterprise group: Wilcox, 1.

Enterprise mining claim: Massey, 3.

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

Escondido anticline: Prommel and Crum, 1.

Ethan Allen group: Bradish, 3.

Ethelena lode: Maps, mines, Summit Co., 4.

Equity 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: Schwarz, 16.

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

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

Excelsior vein: C. S. B. M., 25.

Ezra R. mine: Paul, 1.

F

Fair Count group: Smith, J. N., 1.

Fall River property: Worthington, 1.

Fall River Power Co.: Dutton, 1.

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

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

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

F. D. placer: Maps, mines, Lake Co., 9.

Federal Annex group: Rosenberg, K. D., 1.

Federal lode: George and Fair, 1.

Federal Mining and Smelting Co.: see Ritter, 2, Sec. 14.

Feldspar: Anonymous, 2; Bancroft, 1; Beckstrom, J. F., 1; Burger, 3; Fair, 8; Western Feldspar Milling Co., 1.

Ferberite: Tanner, 1.

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

Finch group: Rule, 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: Bancroft, 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: Barbour, 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, 10, 12.

Frank Lee claim: Milliken, 1.

El Paso County - Continued.

Frank placer: Maps, mines, Lake Co., 9.
 Free American lode: McLeod, J.N., 1.
 Freeland mines: Church, 1; C. S. B.M., 10;
 Smith, C. A., 1.
 Free Town lode: Maps, mines, Fremont County, 1.
 Fremont County, maps: See Part II of Catalogue.
 Fremont County, mineral resources: Canon City
 embayment, Kessler, 1;
 feldspar, Western Feldspar Milling Co., 1;
 feldspar, Anonymous, 2;
 limestone, Maps, mines, Colorado, 1;
 marble, Marks, 3;
 titanium ores, Sharron, 1;
 vermiculite, Martine, 4; Sharer, 1;
 mines:
 Mines Records, C. S. B. M., 80;
 A. J. Porck ranch, Burger, 2;
 Boma lode, Taylor, 1;
 Cotopaxi group, Martine, 3;
 Green Mountain mine, Neugebauer, 2;
 Grummer mine, Donaher, 1;
 Iron Cap and Copper Prince, Schwarz, 21;
 petroleum:
 Brush Hollow anticline, Winchester, 2;
 Florence oil field, Boyd, 1;
 Well Logs, petroleum and water, 1.
 placers: Maps, mines, Fremont Co., 1.
 power sites: U. S. G. S., 26.
 quarries: Marks, 3.
 Fremont placer: Maps, mines, Summit Co., 3.
 Fremont-Vineta Oil & Gold Mining Company:
 Maps, mines, Summit Co., 3.
 French Gulch placer: Maps, Mines, Summit Co., 48.
 Frey placer: Maps, mines, Summit Co., 22.
 Friend group: Arthur, Jr., 2.
 Front Range area: Maps, mines, Teller Co., 1.
 Front Range counties: Colorado State Mng. Assn., 1.
 Fruenstine placer: Maps, mines, Lake Co., 9.
 Fryer Hill Mines Co.: Fryer Hills Mines Co., 1.
 Fugitive lode: Maps, mines, Summit Co., 50 and 51.
 Fuller & Greenleaf placer: Maps, mines, Summit
 County, 9, 25.
 Fuller anticline: Maps, petroleum, Jackson Co., 1.
 Fuller's earth: Ionides, 3; McClave, 1.
 Fulton Petroleum Corporation: Emrich, 1.

G

Galena: Beckstrom, J.F., 1.
 Galena group: Maps, mines, Las Animas County, 1.
 Galena placer: Maps, mines, Ouray County, 2.
 Gallagher placer: Maps, mines, Park Co., 4.
 Gamble Gulch placer: Maps, mines, Gilpin Co., 3.
 Gardner placer: Maps, mines, Clear Creek Co., 8.
 Garden Ranch test holes: Cannon, 1.

Gardner P. Wood placer: Fair, 4.
 Garfield County, maps: see Part II of Catalogue.
 Garfield County, mines:
 Mine Records, C. S. B. M., 80;
 Garfield Vanadium Corporation, Garfield
 Vanadium Corporation, 1.
 petroleum:
 commercial possibilities of the oil shale in-
 dustry, Rosenberg, Karl D., 1; Russell, 1;
 Divide Creek anticline, Perini, Jr., and
 Lavington, 1;
 Garmesa gas field, Emrich, 1;
 Harvey Gap structure, Winchester, 3;
 S. O. 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.
 Garmesa anticline: Emrich, 1.
 Garmesa gas field: Emrich, 1; Maps, petroleum,
 Garfield Co., 1.
 Gary-Allen mine: Smith, W. J., 1.
 Gaston mine: Maps, mines, Gilpin Co., 18.
 Gelisel: Ionides, 3.
 Gem stones: Kessler, 1.
 General Sherman mine, Dall, 1.
 Genesee-Vanderbilt Mining Co.: Schwarz, 37, 38.
 Geology: Crapo, 1; Maps, geology, Otero County, 1;
 Massey, C. R., 1; Osborne and Rainwater, 1;
 U. S. G. S., 3, 5, 9, 20, 33, 34.
 George H. placer: Maps, mines, Lake Co., 9.
 George B. placer: Maps, mines, Summit County, 37.
 German Flats placer: Pearson, 1.
 Giant-Eclipse Consolidated Mines Co.: C. S. B. M., 7.
 Gilpin County, maps: see Part II of Catalogue.
 Gilpin County, mines:
 Mine Records, C. S. B.M., 80;
 Anchor Mines Syndicate, Anchor Mines Syndicate, 1;
 Arctic lode, Funk, 1;
 Argosy Gold M. & M. Co., Deems, 1;
 Barnes group, Holland, 1; Rank, 1;
 Barnes-Gauntlet group, Fuller, 1;
 Bates-Bonanza mines, Ashbaugh, 5;
 Lew Drop claims, Martine, 6;
 Eugene Mines, Inc., Clark, 1;
 First Centennial mine, Schwarz, 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'Neil group, Horn, C. R., 2;

Gilpin County - Continued.

Hubert Mining Co., Schwarz, 8;
 Kelleher 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; Farish, F.G.2;
 Pennsylvania Mining, Power and Reduction
 Co., Dutton, 1; Marks, 1; Pennsylvania M.P.
 & R. Co., 1; Sadtler, 1;
 Perseverance group, Carnahan, 1;
 Pewabic Consolidated Gold Mines Company,
 C. S. B.M., 22;
 Pine Creek district, Gilpin County,
 C. S. B. M., 20;
 Powers mine, Schwarz, 22;
 Rex Developing Co., Massey, 2;
 Saratoga Gold Mines, Inc., Rickard, F., 1;
 Springdale or Gold Rock mine, Farish, W. A.1;
 Stewart mine, Lindemann, 1; Watson, 1;
 Sylvania Gold Mines Corporation, C. S. B. M.21;
 Town Topics Mining Co., Schwarz, 23;
 Tucker mine, Foster, E. I., 1;
 tungsten-ferberite, Burlingame, 1.
 mining districts: Gilpin County Chamber
 of Commerce, 1.
 placers: Maps, mines, Gilpin County, 3,
 19, 21.
 Gilsonite: U. S. G. S., 12.
 Gladiator Gold and Silver Mining Co.: Dall, 1.
 Gladiator mine: Maps, mines, Hinsdale Co., 4,5.
 Glucinum: Walker, T. H., 1;
 Gold, lode and placer, production by counties:
 Maps, mines, Colorado, 1.
 Gold, placer: Bancroft, 1.
 Gold Anchor group: Marrs, 1.
 Gold Basin group: Martine, 5.
 Gold Basin placer: Maps, mines, Lake County, 14.
 Gold Cap properties: Ashbaugh, 10.
 Gold Brick mining district: Maps, mines,
 Gunnison 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.
 Gold Dust placer: Maps, mines, Summit Co., 21.
 Golden Crown placer: Maps, mines, Summit
 County, 35, 36, 37.
 Golden Cycle Corporation: Maps, mines, Teller
 County, 38.
 Golden Cycle mine: C. S. B.M., 69.

Golden Eagle lode: Holmes, E. I., 13.
 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 Rod M. & M. Co.: Schwarz, 14.
 Golden Rule placer: Maps, mines, La Plata Co., 9.
 Golden Vault M. & M. Co.: Caldron, 1.
 Golden Wonder placer: Maps, mines, Eagle Co., 4.
 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 Nugget placer: Maps, mines, Summit Co., 37.
 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.
 Goodsell placer: Maps, mines, Lake Co., 9.
 Goose Creek basin: Maps, mines, Gunnison Co., 9.
 Gordon and Bengal Tiger mines: Maps, mines,
 Lake County, 3.
 Gordon Gulch placer: Maps, mines, Boulder Co., 10.
 Gordon mine: Maps, mines, Lake Co., 2, 4.
 Gracie I. Fox claim: Maps, mines, La Plata
 County, 10.
 Graham placer: Maps, mines, Lake Co., 9.
 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-metals
 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 Mesa coal fields: U. S. G. S., 9.
 Grand Republic group: Fair, 5.

Grand County - Continued.

Grand Union lode: Heizelman, 1.
 Grand Union group: Martine, 7.
 Grand Union placer: Maps, mines, Park Co., 2.
 Grange mine: Martin, R.L., 1; Randell, 1.
 Granite (black): Bancroft, 1.
 Granite: Pinkley, 2.
 Graphite: Burger, 3.
 Grass Valley dam: Maps, coal, Garfield Co., 4.
 Gravel: Bancroft, 1.
 Grayback and placer districts: Maps, mines,
 Costilla County, 1.
 Gray Eagle placer: Maps, mines, Costilla Co., 1.
 Greasewood anticline: Barbour, 1; U. S. G. S.
 1, 2.

Greasewood Dome inspection trip: Barbour, 1.

Greene-Laucks coal distillation process:

 Greene, 1; Ionides, 1, 2; Laucks, 1.

Green Mountain mine: Neugebauer, 2.

Gregory-Buell Consolidation: Maps, mines,

 Gilpin County, 24.

Gregory-O'Neil group: Horn, C. R., 2.

Grouse mine: Maps, mines, Teller Co., 21.

Grummer mine: Donaher, 1.

Guadalupe 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., 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;

 natural resources, Tonge, 2;

 opportunities on the Western Slope,

 Pronmel, 10;

 titanium ores in Colorado, Sharron, 1;

 tungsten and molybdenum districts,

 News Champion, 1.

Gunnison County, mines:

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

 Arnold claims, Holmes, W. I., 14;

 Aspen-Riverside group, Ritter, 5;

 Bear Mountain group, Noon, 1;

 Black Queen mine, Mitchell, 1;

 Bon Ton and Carbonate group, Boehmer, 1;

 Daisy group, Dwelle, 1;

 Emmons Mountain M. & M. Co., C. S. B.M., 24;

 Enterprise group, Wilcox, 1;

 Gunnison County, C. S. B. M., 25;

 Kennerly and other claims, Pronmel, 8;

 Lead King mine, Nelson, W. P., 2;

 Lucky Boy group, Nelson, W. P., 1;

 mining districts, producing mines and

 prospective properties, Nelson, A. P., 1;

 mining in Gunnison County, Pearson, 1;

 Morning Star, David H. and Whitepine

 mining properties, Ritter, 6;

 natural resources of Gunnison County,

 Tonge, 2;

 Netted Gem group, Carroll, 1;

 North Pole, Carbonate-Bon Ton and the

 Harris & Farley groups, Ritter, 4;

 Ruby properties, Ashbaugh, 6;

 Sheep Mountain property and tunnel,

 Dittus, 1; Juhan, 1; Noon, 2;

 Skyline Mining Co., Martine, 8;

 Silent Friend mine, Schwarz, 24;

 tungsten and molybdenum districts,

 News Champion, 1;

 Whopper, Teller and adjoining claims,

 Pronmel, 9.

Gunnison County, mining districts:

 mining districts, producing mines and

 prospective properties, Nelson, A. P., 1.

 placers: Maps, mines, Gunnison Co., 4.

 potash: Pronmel, 10.

 power sites: U. S. G. S., 25.

 quarries: Nelson, A. P., 1; Pronmel, 10.

G. W. T. mine: Fooks, 1.

Gypsum: Beckstrom, J. F., 1.

Gypsum anticline: Brown, P.F., 1.

Gypsum beds: Brown, P. F., 1.

Gypsum Valley camp, San Miguel County:

 Charts, mines, Labor Costs, 2;

 Radium Company of Colorado, 1.

Gypsum Oil Co.: Emrich, 1; Maps, petroleum,

 Garfield Co., 1.

II

Hahn's Peak district: C. S. B.M., 41, 42.

Hall placer: Maps, mines, Ouray County, 2.

Hamilton Dome: U. S. G. S., 18.

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.

Harold F. placer: Maps, mines, Summit Co., 37.

Harris & Farley group: Ritter, 4.

Harrison claim: Deems, 1.

Harvey Gap structure: Winchester, 3.

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

Hays placer: Maps, mines, Hinsdale Co., 1.

Haywood placer: Maps, mines, Park Co., 3.

Helium gas: Colorado State Planning Board, 1;

 Winchester, 1.

Hells Canyon section: Crapo, 1.

Heratite: Beckstrom, J.F., 1.

Henderson Coal mine: U. S. G. S., 4.

Gunnison County - Continued.

Henrietta-Lizzie vein: C. S. B.M., 45.
 Henrietta 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.
 Hiawatha placer: Maps, mines, Lake County, 9.
 Hirschle placer: Maps, mines, Lake County, 9.
 Hicks-Detroit claim: Berger and Sayre, 1.
 Hidden dome: Prommel, 5.
 Hidden Treasure Gold & Silver Mines & Mills Co.: Maps, mines, Clear Creek Co., 14.
 Highland Chief group: Bradish, 3.
 Highland Chief mine: Maps, mines, Hinsdale Co., 6.
 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.
 High View placer: Maps, mines, Eagle Co., 4.
 Hilda Mining Co.: Schwarz, 11.
 Hille power pipe line: Rosenberg, T., 1.
 Hill's Dome: McCain, 1.
 Hillside group of Vermiculite claims in Fremont County: Sharer, 1.
 Hinsdale County, maps: see Part II of Catalogue.
 Hinsdale County, mines:
 Mine Records, C. S. B.M., 80;
 Emerald Isle and Contention claims, Boehmer, 2;
 Father Forestall and other claims, Wheeler, 1;
 Gladiator Gold & 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;
 placers: 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 Lines Co., 2.
 Homestake lode: Milliken, 2.
 Honey Dew mine: Maps, mines, La Plata Co., 14.
 Hoopup 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, 8.
 Hubnerite: News Champion, 1.
 Hull City placer: Maps, mines, Costilla County, 1; Teller County, 34.
 Huxt 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:
 Mine Records, C. S. B.M., 80.
 petroleum:
 Padito-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.
 Hydraulic placer: Maps, mines, Eagle Co., 4.
 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 Springs Prod. Co.: Maps, mines, Clear Creek Co., 13.
 Idaho tunnel in Clear Creek County: Joyce, 1.
 Ida Johnson well No. 1: Barbour, 1.
 Ida May placer: Maps, mines, Summit Co., 37.
 Ida vein: C. S. B.M., 56.
 Ilmenite: Bancroft, 1; Sharron, 1.
 Imogene Basin: C. S. B. M., 36.
 Imperial placer: Maps, mines, Park Co., 7.
 Incas 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 Pass district: U. S. G. S., 20.
 Independence shaft, Portland mine: Maps, mines,
 Teller County, 45.

Indiana placer: Maps, mines, Summit Co., 14.
 Ingham group: Broadman, 1.
 Ingram placer: Fair, 4.
 Inspector of Mines' Reports: C. S. B. M., 1-80.
 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 Cap prospect: Schwarz, 21.
 Iron Chest group: Martine, 1.
 Iron Clad mine: Maps, mines, Teller Co., 15.
 Iron Hill placer: Maps, mines, Park Co., 2.
 Iron Hill properties: Maps, mines, Pitkin Co.,
 18.

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.: C. S. B. M., 26;
 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.
 I. X. L. placer: Maps, mines, Summit Co., 25.

J

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.
 Jacobson placer: Maps, mines, Lake Co., 9.
 Japan-Moslem 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:
 Mine Records, C. S. B. M., 20
 petroleum: Well Logs, petroleum and water, 1.
 Jerry Johnson G.M. Co.: Maps, mines, Teller
 County, 7, 8, 9.
 Jerusalem placer: Maps, mines, Summit Co., 50.
 Jewel Mining Co.: Root, Jr., 1.
 John Jay mine: Patrick, 1.

John placer: Maps, mines, Lake Co., 9.
 John Reed mine: Schwarz, 28.
 Johnson placer: Maps, mines, Pitkin, Co., 2.
 Jones placer: Maps, mines, Clear Creek Co., 2, 7.
 Josie Taylor placer: Maps, mines, Summit Co., 25.
 J. Q. A. Hollins placer: Maps, mines, Gilpin
 County, 3.
 Judson C. Clevenger group: Bradish, 1.
 Judson placer: Maps, mines, Teller Co., 34.
 Julia placer: Maps, mines, Park Co., 3.
 Jumbo Mining Co.: Maps, mines, La Plata Co., 9.
 Junction placer: Maps, mines, Summit Co., 15.

K

Kalamazoo lode: George and Fair, 1.
 K. & G. placers: Maps, mines, Ouray County, 2.
 Kankakee lode: Holmes, W. I., 13.
 Keeley lode: Tulley, 1.
 Kelleher 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.
 Keystone 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.
 Kittimac 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.
 Knickerbocker tunnel: C. S. B. M., 9.
 Kokomo, Ten Mile district: Danehy, 1.
 Kokomo and Robinson mining districts:
 Maps, mines, Summit Co., 18.
 Kokomo placer: Maps, mines, Summit Co., 18.

L

Labor Costs: Charts, mines, 2.

L- Continued.

Lackawanna placer: Maps, mines, Ouray Co., 2.

Lady Eleanor 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, Schwarz, 28;

Big Evans Mining Co., Schwarz, 27;

Canterbury tunnel, Kleff, 1;

Deel Gold Mining Co., Rosenberg, T., 2;

drainage tunnel would restore prosperity,
Kleff, 2;

Fryer Hill Mines Co., Fryer Hill Mines Co., 1;

geological report on Leadville, U. S. G. S.,
13;

gold mines, sites for finding, Cortellini, 1;

Iron Silver and Small Hopes, smelting
results, Brace, 1;

Iron Silver Mining Co., C. S. B. M., 26;

Iron Silver Mining Co., 1, 2, 3; Schwarz, 25;

Loyal Gold M. & M. Co., C. S. B. M., 27;

Maid of Erin, C. S. B. M., 28;

Mansfield group, McCloin, 1;

mining in the Leadville district, McDonald, 1;

molybdenum mining property No. 1,
adjoining Molybdenum Co. property,
Holmes, W. I., 16;

Morocco Mining Co., Schwarz, 26;

New Century Mining, Milling & Leasing
Company, C. S. B. M., 29.

manganese: Maps, mines, Colorado., 1.

molybdenum: Maps, mines, Colorado, 1.

placers: Maps, mines, Lake County, 1,
5, 9, 10, 13, 14.

power sites: U. S. G. S., 26.

tunnel sites, water: U. S. G. S., 20.

Lake Henry anticline: Maps, petroleum,

Crowley County, 1.

Lake placer: Maps, mines, Summit Co., 34, 37.

La Kota placer, Maps, mines, Summit Co., 30.

L. & S. claims: Lanzendorf, 1.

La Plata County, maps: see Part II of Catalogue.

La Plata County, mines:

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

Aetna mine, Trippe, 1;

Anivas River placer, McCausland, 3;

Aurora group, Wayt, 1;

Bessie 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 Eleanor Consolidated Gold Mines Co.,

Ritter, 10; Maps, mines, La Plata County, 18;

La Plata Gold Mining Co., Hand, 1;

Lucky Discovery Mine Co., Reed, 4;

Mason 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, Emmons, 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;

Tomahawk-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.

placers: Maps, mines, La Plata Co., 9.

La Plata Gold Mining Co.: Hand, 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, Wegemann, 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, Pinkley, 2;

oil in Basalt near Trinchera, Colo.,

U. S. G. S., 7.

Las Animas County, mines: - Continued.

petroleum:
 Black Hills area, Gould, 1;
 Branson 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;
 Well Logs, petroleum and water, 1.
 Last Chance mine: Maps, mines, Boulder Co., 13.
 Last Chance placers: 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.
 Lead King mine: Nelson, W. P., 2.
 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.
 Ledge 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.
 Lehigh Valley placer: Maps, mines, Park Co., 7.
 Lenardo placer: Maps, mines, Pitkin Co., 6.
 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;
 Pond Creek anticline, Rohwer, 1;
 Walker Hill anticline, Osborne, 1;
 Well 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., 18.
 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 Nellie placer: Maps, mines, Lake Co., 9.
 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.: Benjovsky, 1; Byron, 5.
 Lloyd group: Hoskin, 1.
 Lode mining twenty year average: Maps, mines,
 Colorado, 1.
 Logan County, petroleum:
 Well Logs, petroleum and water, 1.
 Logan group: Chase, Fair, and others, 1.
 Logan Tract mining property: Milliken, 2.
 Logs: Well Logs, petroleum and water, 1.
 Lombard mill: C. S. B. M., 14.
 Lombard tunnels: C. S. B. M., 14.
 London Extension tunnel: Maps, mines, Park
 County, 8.
 London fault: Schwarz, 31.
 London option: McNair, 1.
 London placer: Maps, mines, Summit Co., 38.
 London vein: Maps, mines, Park Co., 9.
 Lone Pine properties: Vander Veer, 1.
 Lone Wolf Mining Co.: Lone Wolf Mining Co., 1;
 Maps, mines, San Juan Co., 2, 3, 4.
 (Kittizac).
 Lost Day group: Bradish, 2.
 Lost mines: Herald Democrat, 1.
 Lotus group: Dutton, 1; Jenners, 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: Bradish, 1.
 Lower South London tunnel: Maps, mines, Park
 County, 4.
 Low temperature tars: Greene, 1; Ionides, 1,
 2; Laucks, 1.
 Loyal Gold 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 Boy group: Nelson, W. P., 1.
 Lucky Discovery Mine Co.: Reed, 4.
 Lucky Gus mine: Maps, mines, Teller Co., 25.
 Lucky Nine No. 1 to 3: Maps, mines, La Plata
 County, 8.

Lucky Seven placers: Maps, mines, Costilla Co., 1.
 Luella lode: Maps, mines, La Plata Co., 22.
 Luis Maria Baca Mining & Development Company:
 Luis Maria Baca Mining & Development Co., 1.
 Lux placer: Maps, mines, Pitkin County, 6, 10.

M

Mabel M. M. & M. Co.: Maps, mines, Teller County, 5.

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.

Magnetite: Sharron, 1.

Magnetite ore: Tonge, 2.

Magnolia placer: Maps, mines, Lake County, 9.

Magnum Bonum placer: Maps, mines, Summit Co., 48.

Maid of Erin: C. S. B. M., 28.

Majestic placer: Maps, mines, Park County, 2.

Major Gold Mining Co.: Ashbaugh, 3.

Major-Loughrey Gold Mining & Milling Co.:
 C. S. B. M., 79.

Maloney workings: Maps, mines, Teller Co., 32.

Malter placer: Maps, mines, Hinsdale County,
 1, 2, 7.

Mammoth lode: Maps, mines, Mineral Co., 7.

Mammoth mine: Holmes, W. I., Schooley, 1.

Mammoth Mountain: Maps, mines, Mineral Co., 4.

Mammoth placer: Maps, mines, Lake Co., 9.

Mammoth placer: Maps, mines, Pitkin Co., 12.

Mancos Canon Gold, Inc.: Oliver and Dantziger, 1.

Mancos Consolidated Gold Mines & Development
 Co.: C. S. B. M., 33.

Manganese: Maps, mines, Colorado, 1.

Manhattan mining district: Maps, mines, Larimer C
 County, 1.

Manitou mineral springs: Fisher, 1; Strieby, 1.

Mary-Wyatt Placer Co.: Holmes, W. I., 7.

Mansfield group: McCloin, 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,
 pages 43 to 59.

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.

Martle: Marks, 3; Nelson, A. P., 1;
 Prommel, 10; Tonge, 2.

Marten estate mines: 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.

Massive placer: Maps, mines, Lake Co., 9.

Mattie Consolidated Mines, Inc.: Knight, 1;
 W. W. Wilmore, et al., 1.

Maud S. claim: Deems, 1.

Maverick camp, Mesa County: Charts, mines,

 Labor Costs, 2; Radium Company of Colorado, 1.

Maxwell Concentrating Mill: C. S. B. M., 17.

May Belle group: United Gold Mines Co., 1, 2.

May B. mine: Maps, mines, Teller County, 47.

May Day Extension group: Reed, 5; Maps,
 mines, La Plata County, 9.

May Day Gold Mining Co.: Maps, mines, La Plata
 County, 9.

May Day mine: McCausland, 2.

May Rose mines: Caramouzis, 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.

McElmo Canon: U. S. G. S., 33.

McElmo Well: Brown, P. F., 1.

McKenzie placer: Maps, mines, Lake Co., 9.

McVey placer: Maps, mines, Gunnison Co., 4.

Meadow placer: Maps, mines, Summit County, 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., 80;

 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, Emrich, 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.

Metcalf placer: Maps, mines, Summit Co., 48.

Mexican Creek anticline: Maps, petroleum,

Jackson County, 1.

Meyer placer: Maps, mines, Lake County, 9;

Summit County, 18.

Meyring placer: Maps, mines, Boulder Co., 7.

Mica: Bancroft, 1; Beckstrom, J. F., 1.

Michael Breen group: Weatherly, 1.

Midget mine: Maps, mines, Teller Co., 26.

Midland mine: 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.

Mills, concentrating: Iron Silver Mining Co., 2.

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

Mine Managers' Reports: C. S. B. M., 1-80.

Mine maps: Maps, mines, (County), Part II of

Catalogue.

Mineral belt of Colorado: Maps, mines,

Colorado, 2.

Mineral Chief mine: Maxwell, 1; McFadden, G.B.,

and McFadden, C. D., 1.

Mineral County, maps: see Part II of Catalogue.

Mineral County, mines:

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

Captive 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.

placers: Maps, mines Mineral County, 3, 5.

Mineral Holdings Co.: Ashbaugh, 1.

Mineral land, acres patented: Charts, mines,

Colorado, 1; Maps, mines, Colorado, 1.

Mineral Park Mines, Inc.: Ashbaugh, 8.

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 P. 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;

radium in Boulder County, Place, 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:

chemical 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, 1;

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;

gilsonite in early Eocene gravels,

U. S. G. S., 12.

Gunnison County:

liquid hydrocarbon from Ohio Creek coal mine, U. S. G. S., 8;
 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, Tonge, 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;
 new geological report on Leadville, U. S. G. S., 13.

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. B. M., 6,

Morgan County:

fuller's earth deposit, Stoneham, Colorado, McClave, 1.

Rio Blanco County:

mineral resources of Rio Blanco County, Riland, 1;

natural gas, Grand Junction, Colorado, analysis of, White River Oil Co., 1.

San Juan County:

uranium and tungsten ores in Boulder, Montrose and San Juan Counties, C. S. B. 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, Emmons, S. F., 1;

mineral deposits at Kokomo, Danehy, 1.

Weld County:

oil and gas in northeastern Colorado, U. S. G. S., 2.

Yuma County:

Wray gas field, Prommel, 4.

Minerals:

Canon 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, Tonge, 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. B. M., 80.

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.

Minle placer: Maps, mines, Hinsdale Co., 1.

Minnehaha placer: Maps, mines, Lake Co., 9.

Minnie group: Bradish, 2.

Minnie placer, Maps, mines, Costilla County, 1.

Minnie Gulch mine: Walter, 1.

Missouria placer: Maps, mines, Teller County, 11.

Minerals - Continued:

M.K. & T. group: United Gold Mines Co., 1, 2.
 Modoc 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 Dome, U. S. G. S., 6;
 Skull Creek well log, Crapo, 1;
 Skull Creek structure, Winchester, 4, 5;
 Well logs, petroleum and water, 1.
 power sites: new maps of rivers in Utah, Colorado and Wyoming, U. S. G. S., 27.
 Moffat tunnel: U. S. G. S., 16.
 Mohawk lode: Maps, mines, Pitkin Co., 9.
 Mollie Stark placer: Maps, mines, Lake Co., 9.
 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.
 Monarch Mining, Milling, Tunnel, Transportation & Power Co.: C. S. B. M., 10.
 Monito mine: Brown, T. A., 1.
 Monitor group: Byron, 4.
 Monometalist lode: Maps, mines, Gunnison Co., 8.
 Moran: 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., 80;
 Mancos Canon Gold, Inc., claims, Oliver and Dantziger, 1;
 Mancos Consolidated Gold Mines and Development Co., C. S. B. M., 33;
 Red Arrow gold discovery, U. S. G. S., 14.
 petroleum: Well Logs, petroleum and water, 1.
 Montgomery group: Maps, mines, Boulder Co., 14.
 Montrose County, maps: see Part II of Catalogue.
 Montrose County, coal: U. S. G. S., 9.
 Montrose County, mines:
 Mine Records, C. S. B. M., 20;
 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, P. F., 1;
 Well Logs, petroleum and water, 1.
 power sites: Dolores River, U. S. G. S., 29;
 San Miguel River, U. S. G. S., 28.
 Monument Park: U. S. G. S., 33.
 Moon Anchor mine: Maps, mines, Teller Co., 16.
 Moon Anchor shaft: Maps, mines, Teller Co., 33.
 Moose mine group: Miller, W. J. H., 1.
 Moran lode: Tulley, 1.
 Morgan County, mineral resources:
 fuller'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 County, 3.
 Mosquito mining district: Maps, mines, Park County, 3.
 M.O. Thatcher placer: Maps, mines, Ouray Co., 2.
 Mother of Gold lode claim: Holmes, W. I., 1.
 Mountain Lake placer: Maps, mines, Lake Co., 9.
 Mountain Pride mine: Maps, mines, Summit Co., 52.
 Mount Rosa Mining, Milling & 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.
 Musher tunnel: Maps, mines, Park Co., 4.
 Mystery placer: Maps, mines, Eagle Co., 3.

N

Nahant lode: Maps, mines, Summit Co., 4.
 Nancy Hanks claim: Maps, mines, Mineral Co., 7.
 Naperville 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;
 Prommel, 4; Striety, 1; Taff, 1; Wegemann, 1;
 White River Oil Co., 1; Winchester, 1.
 Natural gasoline: Colorado State Planning Board, 1.

Neath mine: Foster, E. L., and Smith, Jr.,
C. A., 1.
Needle Mountain mining district: Maps, mines,
La Plata County, 1.
Neglected mines: Emmons, 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.
Nettie S. placer: Maps, mines, Lake Co., 9.
Neusitz placer: Maps, mines, Lake Co., 9.
New Century Mines, Milling & Leasing Co.:
C. S. B. M., 29.
New Discovery claim: Maps, mines, Mineral Co.,
10.
New Era group: Maps, mines, Clear Creek Co., 7.
New England placer: Maps, mines, Summit
County, 34, 37.
Newhouse tunnel: C. S. B. M., 13.
New Marian 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 claim: Maps, mines, Mineral Co., 8.
New York and Chance Mining Co.: Del Monte
Mining and Milling Co., 1, 2.
New York lode claim: McLeod, J. N., 1.
New York placer: Maps, mines, Lake Co., 10;
Summit County, 18.
Nickel Plate mine: Brown, T. A., 1.
Nigger Hill: Maps, mines, Summit Co., 50, 51.
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, Labor Costs, 2; Radium Company
of Colorado, 1.
North Park and Vandalia Mining & Smelting
Company: Jenks, 1.
North Pole group: Ritter, 4.
North Star: C. S. B. M., 33.
North Star placer: Maps, mines, Teller Co. 34.

Muggetville 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:
Farish, F. G., 2.
Oliver Reduction Co., Silverton mining
district: C. S. B. M., 45.
Oliver, P.H., State lease: Ball, 1.
Ollie placer: Maps, mines, Teller Co., 34.
Ollie Reed claim: Maps, mines, Lake Co., 8.
Olsen placer: Maps, mines, Summit Co., 21.
Olson placer: Maps, mines, Lake Co., 9.
Omaha-Grant Smelting Co.: C. S. B. M., 31.
O'Neil mine: Maps, mines, Gilpin Co., 16.
Onyx: Beckstrom, J. F., 1.
Onyx marble quarry: Nelson, A. P., 1.
Ophir Consolidated Mines: C. S. B. M., 59.
Ophir Gold Mines & Reduction Co.: Ophir
Gold Mines & Reduction Co., 1.
Ophir lode claims: Martine, 2.
Ora lode claim: Holmes, W. I., 13.
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.
Oro shaft: Maps, mines, Summit Co., 31.
Orphan Boy Consolidated Mining Co.:
Schwarz, 2.
Orphan Boy Hill Consolidated Mining Co.:
Maps, mines, Park County, 3.
Orphan Boy placer: Maps, mines, Park Co., 3.
Ostorn et al. placer: Maps, mines, Clear Creek
County, 1.
Otero County, maps, geology: see Part II of
Catalogue.
petroleum:
southeastern Colorado possibilities,
Hager, 1;
Timpas dome, Holloman, 1;
Well Logs, petroleum and water, 1.

O- Continued.

Otero placer: Maps, mines, Costilla Co., 1.
 Ottawa group: Colpitt, Funk and Kaminky, 1.
 Ouray County, maps: see Part II of Catalogue.
 Ouray County, mines:

Mine Records, C. S. B. M., 80;
 Atlas mine, C. S. B. M., 37;
 Bimetallist-Hawkeye claims, Downer, 1;
 Camp Bird Limited, C. S. B. M., 35, 36;
 holdings of Chas. Gautier et al. in the
 Red Mountain mining district, Walker, S.M., 1;
 Lloyd group, Hoskin, 1;
 Michael Breen group, Weatherly, 1;
 New Century Mining, Milling and Leasing
 Company, C. S. B. M., 29;
 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,
 Lost Day group,
 Minnie group, Bradish, 2;
 statement concerning the following
 groups of claims in the Sneffels
 mining district,
 Altoona group,
 Ethan Allen group,
 Highland Chief group,
 Monster group,
 Pilot mine,
 Torpedo-Eclipse group,
 Yellowstone & Circassian claims of
 the Trust-Ruby 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,
 Rainbow group,
 Speedwell group,
 Trout-Fisherman group,
 Vida group (Paquin mining district),
 Weehawken Basin, Big Horn group,
 Angel group, Japan-Moslem group,
 Wyoming group, Bradish, 5, 6;
 Sunday mine, Mahoney, 1;
 Uncompahgre placer, Miller, T. R., 1;
 placers: Maps, mines, Ouray County, 1, 2.
 Ouray placer: Maps, mines, Ouray Co., 2.
 Outlaw group, Mesa County: Charts, mines,

Labor Costs, 2; Radium Company of Colorado, 1;
 Maps, mines, Mesa County, 1, 2.

P

Pandora group: Fair, 2.
 Pandora Metals, Inc.: Fair, 2, 3.
 Panther group: United Gold Mines Co., 1, 2.
 Paradox anticline: Brown, P. F., 1.
 Paradox Valley: Brown, P. F., 1; Maps,
 petroleum, Montrose County, 1.
 Paris placer: Maps, mines, Park Co., 3.
 Park City: Maps, mines, Park County, 3.
 Park County, maps: see Part II of Catalogue.
 Park County, mines:
 Mine Records, C. S. B. M., 80;
 Colorado Copper Co., Copper Co., 1;
 Criterion property, Ashbaugh, 7; Martine, 10;
 Hilda Mining Co., Schwarz, 11;
 iron properties of Samuel Cohen on Silver-
 heels Mountain, Schwarz, 30;
 Kentucky Belle group, C. S. B. M., 39;
 London Option and the conflict with
 the London and American mines, McNair, 1;
 Mascotte Gold Mining Co., C. S. B. M., 38;
 Moose Mine estate, Miller, W. J. H., 1;
 Morning Star-Creskill mining property,
 Ritter, 6;
 Orphan Boy 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., D-----, C. W., 1;
 S. S. group, Schwarz, 29;
 Stocker claims, Dwinell, 1;
 vanadium-uranium property in Hay Meadow
 district, Ashbaugh, 9;
 Weber property, Ashbaugh, 8;
 Wyandotte-Apex Gold Mining Co., Holmes,
 W. I., 17;
 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.
 Parson placer: Maps, mines, Lake Co., 9.
 Passiflora Mining & Milling Co.: Bradley, 1;
 Vidler, L. W., 1.
 Pass Me By Neglected & Lonesome Pine claims:
 Benjovsky, 2.
 Patterson Well No. 1: Barbour, 1; Prommel, 2.
 Pawnee anticline: Barbour, 1; U. S. G. S., 1, 2.
 Pay Day placer: Maps, mines, Hinsdale County, 1.

Pay Gravel placer: Maps, mines, Summit Co., 21.
 Paymaster group: Homes, 1.
 Pay Rock group: Maps, mines, Clear Creek Co., 11.
 Peabody placer mine: Schwarz, 12.
 Pearley placer: Maps, mines, Lake Co., 10.
 Pease placer: Maps, mines, Lake Co., 9.
 Peerless Clay & Mineral Co.: Maps, mines, Mineral County, 15.
 Pegmatite: Bancroft, 1.
 Pennsylvania Mines Co.: C. S. B. M., 61.
 Pennsylvania Mining, Power and Reduction Co.: Dutton, 1; Jenners, 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, Maps, classified by counties: see Part II of Catalogue, page 59-61.
 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, Frommel, 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, Frommel, 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 Crest anticline, Perini, Jr., and Lavington, 1;
 Garmesa gas field, Emrich, 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;
 Badito-Alamo region, Frommel, 6;
 Escondido anticline, Frommel, 1.
 La Plata County:
 Barker 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, Holloman, 2;
 southeastern Colorado possibilities, Hager, 1;
 southwestern Las Animas County, Pinkley, 1.
 Lincoln County:
 geology and 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, Emrich, 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., 16;
 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,

Barbour, 1.

Otero County:

Timpas 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.

Rio Blanco County:

Douglas Creek structure, McLeod, J. D., 1;

fuel resources of Colorado, Lakes, 2;

gasoline from natural gas on the

White River dome, Meeker Herald, 1;

natural gas in Colorado, Lakes, 1;

oil in northwestern Colorado, Horn, C. R., 1;

White River dome, Emrich, 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,

Ball, 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,

Barbour, 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.,

1.

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 County, petroleum:

Well Logs, petroleum and water, 1.

Phillips placer: Maps, mines, Boulder Co., 7.

Phoenix placer: Maps, mines, Mineral County, 3.

P.H. Oliver state lease: Ball, 1.

Picayune Gulch group: C. S. B. M., 48.

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.

Pine Creek district: C. S. B. M., 20.

Pinnacle group: United Gold Mines Co., 1, 2.

Pioneer Extension, Ben Harrison and John Russel

groups: Holmes, W. I., 10.

Pipe lines: Hellier, 1.

Piscatah 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, Rohlfing, 1;

Independence gold property, Rohlfing, 2;

Loyal group, Leahy, 1;

Single Jack group, Shaw, 1;

Smuggler concentrator, Aspen, Colorado,

C. S. B. M., 40;

Tam O'Shanter-Montezuma mines, Weston, 1.

placers: Maps, mines, Pitkin County, 2, 6,

10, 12.

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

tunnel sites, water: U. S. G. S., 20.

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; Dantziger, 1; Fair, 4;

Gold Pit Placer Co., 1; Holmes, W. I., 7, 18;

Marks, 4, 5; McCausland, 3; Miller, T. R., 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;

Ouray Co., 1, 2; Park Co., 2, 3, 4, 5, 7, 10;

Pitkin Co., 2, 6, 10, 12;

Placers, 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, 38, 39, 40, 45, 47, 48, 50, 51;
Teller County, 11, 34.
Plain View placer: Maps, mines, Costilla Co., 1.
Platte River placers: Marks, 5.
Platte Valley Petroleum Corporation:
Prommel, 2.
Plomo mines: Ritter, 2.
Polar & Rocky Point group: C. S. B. M., 19.
Polar Star Consolidated Mines: Hider, 1.
Polar Star mill: Holland, 1.
Pole Mountain anticline: Maps, petroleum,
Jackson County, 1.
Pond 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: Prommel, 10.
Power pipe lines, Garfield County: Rosenberg,
T., 1.
Power sites, Colorado: U. S. G. S., 21, 22, 23.
Chaffee County: U. S. G. S., 26.
Eagle County: U. S. G. S., 24.
Fremont County: U. S. G. S., 26.
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.
Summit County: U. S. G. S., 31.
Powers mine: Schwarz, 22.
Presley Jones et al. placer: Maps, mines,
Clear Creek County, 15.
Pride of Cripple Creek claim: Maps, mines,
Teller County, 7, 8, 9.
Pride of the West lode: Anonymous, 3.
Pride of the West placer: Maps, mines, Pitkin
County, 2.
Primrose placer: Maps, mines, Summit Co., 25.
Prince of Wales lode: Holmes, W. I., 4.
Production tables, petroleum: Colorado State
Planning Board, 1.
Prosarpine & Cumberland lode: Iron Silver
Mining Company, 1.
Prospect basin: C. S. B. M., 48.
Prospect placer: Maps, mines, Lake Co., 9.
Protection placer: Maps, mines, Boulder
County, 10.

Prowers County, petroleum:

Lotus oil well No. 1, Ernest, 1;
Well Logs, petroleum and water, 1.
Prussian Gold Mining Company: Farish, F. G., 1
P. T. mine: Anonymous, 1.
Pueblo Belle mine: Belser, 1.
Pueblo County, maps: see Part II of Catalogue.
Pueblo County, Apishapa region: U. S. G. S., 32.
petroleum:
geology of an area near Walsenburg, Henley, 1;
Hidden Dome, Prommel, 3;
Pueblo County oil fields, Keen, 1;
Rock-Canyon anticline, Lowrie, Jr., 1;
San Carlos anticline, Prommel, 1;
Well Logs, petroleum and water, 1.
Pueblo County oil fields: Keen, 1.
Pumping plants, mine drainage: Southern Colorado
Power Company, 1.

Q

Quarries, marble: Marks, 3; Nelson, A. P., 1;
Prommel, 10.
Quartz, bull: Bancroft, 1.
Queen Bee placer: Maps, mines, Gilpin Co., 21.
Queen of the West group: Vidler, Reese, 1.
Quig placer: Maps, mines, Lake Co., 9.

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 Boy group: Shuman, 1.
Rainbow Gold Mines Company: Rainbow Gold
Mines Company, 1.
Rainbow group: Bradish, 5.
Ralph placer: Maps, mines, Teller County, 34.
R. A. M. lode: Iron Silver Mining Company, 1.
Randell placer: Maps, mines, Lake County, 3.
Rankin placer: Maps, mines, Summit County, 48.
Ranney, R. P. claim: Maps, mines, Gilpin Co., 17.
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: Burger, 3, C. S. B. M., 6;
Fair, 7; see also Minerals.
Raven Beacon: Maps, mines, Teller Co., 48.
Red Arrow gold discovery: U. S. G. S., 14.
Red Bird No. 1: Maps, mines, La Plata County, 8.
Red Canon 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: Milliken, 1.
- Red Rock structure: Holloman, 2.
- Reduction: Brace, 1; Schwarz, 3.
- Reduction and milling: Benjovsky, 3;
Colorado State Mining Association, 1;
see also Smelting & Refining.
- Red Wing claim: Maps, mines, Summit Co., 32.
- Refining plants, petroleum: Colorado State
Planning Board, 1.
- Refractories: Denver Fire Clay Co., 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: Trippe, 1.
- Requa group: United Gold Mines Co., 1, 2.
- Requa-Savage lode: Maps, mines, Teller Co., 31.
- Requa-Savage mine: Rainbow Gold Mines Co., 1.
- Reseigh placer: Maps, mines, Clear Creek Co., 1.
- Reserve placer: Maps, mines, Park Co., 7.
- Resurrection: Maps, mines, Mineral Co., 7.
- Rex Developing Company: Massey, 2.
- Rhenium: Burger, 3.
- Rhododendron placer: Maps, mines, Lake Co., 10.
- Ridgeway group: Van Diest, E. C., 1.
- Rio Blanco County, maps: see Part II of
Catalogue.
- Rio Blanco County, mineral resources:
Riland, 1.
petroleum:
analysis of natural gas Grand Junction,
Colo., Well No. s, 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:
Mine Records, C. S. B. M., 80.
- Rito Seco mining property: Ritter, 2.
- Riverside placer: Maps, mines, Pitkin County,
6, 10, 12.
- River-side placers, 1-6: Maps, mines, Mineral
County, 54
- R. M. F. Co.: Maps, coal Fremont, Co., 1.
- Roaring Fork: U. S. G. S., 30.
- Robinson placer: Maps, mines, Lake County, 9.
- Robinson placer: Maps, mines, Summit Co., 18.
- Roc Creek camp, Montrose County: Charts, mines,
Labor Costs, 2; Radium Company of Colorado, 1.
- Rock Canon anticline: Lowrie, Jr., 1.
- Rock Hocking mine: Schneider, 1.
- Rock salt: Prommel, 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.
- Roggen anticline: Fanning and Smith, G. A. L., 1.
- Rollins placer: Maps, mines, Gilpin County, 3.
- Rollins placer: Maps, mines, Park County, 3.
- Roman: Maps, mines, Teller County, 31.
- Roosevelt placer: Maps, mines, Park County, 2.
- Roseberry mine: Byron, 3.
- Rose Bud placer: Maps, mines, Teller County, 34.
- Rose placer: Maps, mines, Lake County, 9, 10.
- Rosita, Colorado: Maps, mines, Custer Co., 1.
- Ross anticline: Maps, petroleum, Jackson Co., 1.
- Routt County, coal:
Yampa coal field, U. S. G. S., 10, 11,
16, 17.
- Routt County, mines:
Mine Records, C. S. B. M., 80;
Hahn's Peak district, C. S. B. M., 41, 42.
petroleum:
P.H. Oliver state lease, Tow Creek field,
Ball, 1;
present condition of oil prospecting
in the Routt County field, 1901,
C. S. B. M., 43;
Well Logs, petroleum and water, 1.
- Powena, Colorado: Maps, mines, Boulder Co., 8.
- Rubicon placer: Maps, mines, Eagle Co., 4.
- Rubie: Maps, mines, Teller County, 50.
- Ruby King lode: Maps, mines, La Plata Co.,
21, 22.
- Ruby lode: Maps, mines, La Plata County, 7.
- Ruby mining properties: Ashbaugh, 6.
- Ruby placers: 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.

S

Sac and Fox lode: Schwarz, 15.

Sacramento mine: Pearson, 1.

Sacramento Gulch: Schwarz, 31.

Sacramento Mining Co.: D-----, C. W., 1.

Saguache County, maps: see Part II of Catalogue.

Saguache County, mines:

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

Bonanza 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:

Well 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.

Samerskite: Burger, 3.

Sampling: see Reduction & Milling.

Samson placer: Maps, mines, Lake Co., 9.

San Carlos anticline: Frommel, 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., 80;

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., 1; 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;

Minnie 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-Acapulca group and Lout group,

Uncompahgre mining district;

Judson C. Clevenger group, Ice Lake mining district;

Klondike group, Eureka mining district, Bradish, 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., 50;

Smuggler Union Mining Co., C. S. B. M., 55;

- San Miguel County, mines: - Continued.
- Tomboy Gold Mines Co., C. S. B. M., 51, 52, 53, 54.
- petroleum:
- Paradox Valley and surrounding territory, Brown, P. F., 1.
- uranium and vanadium, Maps, mines, Colorado, 1.
- San Miguel River: U. S. G. S., 28.
- San Pedro placer: Maps, mines, Ouray Co., 2.
- Santa Eulalia Mines Company: Ritter, 3.
- Saratoga Gold Mines, Inc.: Rickard, F., 1.
- Savage Basin: C. S. B. M., 50.
- Saw Log placer: Maps, mines, Summit County 38.
- School Section mine: Maps, mines, Teller Co., 35.
- Scott drift: Maps, mines, Summit Co., 13.
- Searl placer: Maps, mines, Lake County, 9.
- Seaton-Hayden group: Marchington, 1.
- Seaton Mountain area: Maps, mines, Clear Creek County, 3.
- Sedalia copper mine: Ashbaugh, 4.
- Sedalia Extension lode claim: C. S. B. M., 8.
- Sedgwick County, petroleum:
- Well logs, petroleum and water, 1.
- Seemann tunnel: C. S. B. M., 14.
- Seven-Thirty claim: Berger and Sayre, 1.
- Shafter Mining Co.: Holmes, W. I., 11; Maps, mines, Clear Creek County, 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. O. S. group, geological report on, Winchester, 6.
- Rio Blanco County:
- Maps, petroleum, Rio Blanco County, 4.
- Shavano Mountain: Croser, 1.
- Shedden placer: Maps, mines, Summit Co., 18.
- Sheep Mountain property: Dittus, 1.
- Sheep Mountain tunnel: Juhan, 1; Noon, 2.
- Sherman lode: George and Fair, 1.
- Sherman 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 Eel 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, La Plata County, 14.
- Silver Star: Maps, mines, La Plata Co., 8.
- Silverstorm placer: Maps, mines, Summit Co., 48.
- Silverton, Colorado: C. S. B. M., 48.
- Silverton quadrangle: C. S. B. M., 34.
- Silver Wing property: Colburn, 1.
- Single Jack group: Shaw, 1.
- Sisler 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 log: Crapo, 1.
- Sky City mining property: Neugebauer, 1.
- Skyline Mining Co. property: Martine, 8.
- Skyrocket: C. S. B. M., 12.
- Slack: Greene, 1; Ionides, 1, 2.
- Slater dome: U. S. G. S., 6.
- Sleeping Spring Gulch dome: U. S. G. S., 18.
- Slumgullion Gulch: Maps, mines, Hinsdale County, 8.
- Small Hopes group: Maps, mines, Boulder County, 9.
- Smelting & Refining: Benjovsky, 3; Brace, 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.
- Snider placer: Maps, mines, Summit Co., 48.
- Snow Drift placer: Maps, mines, Summit Co., 14.
- Socorro lode: George and Fair, 1.
- Solid Gold placer: Maps, mines, Summit Co., 48.
- Solomon claim: Maps, mines, Mineral Co., 6.
- Solomon-Moses group: Maps, mines, Mineral County, 17.
- Solux Tiye: 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 London tunnel: Maps, mines, Park Co., 4.
- South Side placer: Maps, mines, Summit County, 37, 48.
- South Swan placer: Maps, mines, Summit Co., 21.
- Southwestern Engineering Corporation:
Colorado Juneau Mines, Inc., 1.
- Spanish Peak group: Carraway, 1.
- Spanish Peaks: Maps, mines, Las Animas Co., 1.
- Specimen mine: Maps, mines, Teller Co., 23.
- Speedwell group: Bradish, 5.
- Spencer lode: George and Fair, 1.
- Spodumen: Burger, 3.
- Springdale or Gold Rock mine: Farish, W. A., 1.
- Springs, Mineral: Brown, F. E., 1; Fisher, 1; Striety, 1.
- S. S. group: Schwarz, 29.
- Standard Mining Investment Company: C. S. B. M. 25.
- Stanley Mines Company: C. S. B. M., 11.
- 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.
- Stearnsberger Brothers, properties of:
Dutton, 1; Jenners, 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.
- Stratigraphy: U. S. G. S., 3, 5, 9, 20, 33.
- Stream pollution: Colorado State Planning Board, 2; Wood, 1; W. W. Wilmore, et al. vs. Chain O' Mines, Inc. and Mattie Consolidated Mining Co., 1.
- Strong mine: Maps, mines, Teller County, 29.
- Stumpe placer: Maps, mines, Lake County, 9.
- Sulphide 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, Danahy, 1; Tenmile district, Emmons, S. F., 1.
- Summit County, mines:
Mine Records, C. S. B. M., 80;
Aco 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;
Connors Bonanza group, Tonge, 1;
Gold Cap properties, Ashbaugh, 10;
Gold Run Consolidated Mining Co., Schwarz, 12;
Hamilton Gold Mining & Milling Co., Kirk, 1; Nicholson, 1;
Kimberly mine, Thomas, 1;
mineral deposits at Kokomo, Danahy, 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, Colorado: Maps, mines, Boulder Co., 6.
- 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.
 Sylvania Gold Mines Corporation: C. S. B. M., 21.
 Sylvia and Snowbound lodes: Holmes, W.I., 5.

T

Tacoma group: Maps, mines, Gilpin Co., 21.
 Tacoma tunnel: Maps, mines, Gilpin Co., 20.
 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.
 Tar: Greene, 1; Ionides, 1, 2; Laucks, 1.
 Tascher placer: Maps, mines, Clear Creek
 County, 1.
 Taylor River: U. S.G. S., 25.
 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:
 Mine Records, C. S. B. M., 80;
 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 & claims book,
 Broyles-Enswinger Brokerage Co., 1;
 Elkton Consolidated Mining & Milling
 Company, C. S. B. M., 65;
 El Paso Consolidated Gold Mining Co.,
 C. S. B. M., 74;
 Golden Cycle mine, C. S. B. M., 69;
 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;
 Lone Pine properties, Vander Veer, 1;
 Major-Loughrey Gold Mining & Milling Co.,
 C. S. B. M., 79;
 Mt. Rosa Mining, Milling and Land Co.,
 C. S. B. M., 75;
 Pharmacist Mining Co., C. S. B. M., 67;
 Portland Gold Mining Co., C. S. B. M., 70,
 71, 72, 73;
 Requa Savage mine, Rainbow Gold Mines Co., 1;
 Tenderfoot Hill Consolidated Mining Company,
 C. S. B. M., 62.
 Trail 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 Kokomo: 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., 56;
 Texas Production Company: Maps, petroleum,
 Moffat County, 1.
 Thatcher placer: Maps, mines, Lake County, 9.
 T.H. Fuller placer: Maps, mines, Summit
 County, 48, 50.
 Thompson placer: Maps, mines, Lake County, 9.
 Thornburg or Marapos dome: Winchester, 1.
 Thunderbolt mine: Byron, 1.
 Tiger Extension: Schwarz, 34.
 Tiger lode: Schwarz, 34.
 Tillie Ann properties: Brown, T. A., 2.
 Timberlake or Fourmile placer district:
 Marks, 4.
 Timpas dome: Holloman, 1.
 Titanium: Sharron, 1.
 Tomahawk-Black Diamond group: McCausland, 1.
 Tomahawk property: Becker, 1.
 Tomboy Gold Mines Co., Limited: C. S. B. M.,
 51, 52, 53, 54.
 Tom Graham placer: Maps, mines, Lake Co., 9.
 Torpedo-Eclipse group: Bradish, 4; Maps, mines,
 Ouray County, 1.

Teller County, mines: - Continued.
 Torpedo tunnel: C. S. B. M., 12.
 Tourmaline: 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.
 Traynor tunnel: Maps, mines, Pitkin Co., 15.
 Treasure group: Maps, mines, La Plata Co., 20.
 Treasure Mountain Mines, Inc.: Martin, S. G., 1.
 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 Estate: Ritter, 2.
 Trinidad coal field: Maps, coal, Huerfano Co., 4.
 Trojan lode: George and Fair, 2.
 Trout-Fisherman Group: Bradish, 5.
 Trust-Ruby Co.: Bradish, 4.
 Tucker mine: Foster, E. I., 1; Maps, mines,
 Gilpin County, 13.
 Tucson mine: Iron Silver Mining Co., 1.
 Tucson 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., 38; Van Wagenen, 1.
 Tunnels, drainage: see Drainage Tunnels.
 Tunnels, water: U. S. G. S., 20.
 Tuscarora claims: Maps, coal, Gunnison Co., 2.
 Twentynile Park district: U. S. G. S., 17.

U

U. G. M., Vindicator & Golden Cycle groups:
 Maps, mines, Teller County, 7, 8, 9.
 Umberto lode: Tulley, 1.
 Uncle Sam vein: Kennedy, 1.
 Uncompahgre placer: Millan, 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, 18, 19, 33, 35.
 Power and tunnel sites: United States
 Geological Survey, 20-31.
 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: Martine, 4; Sharer, 1.
 Victor Fuel land: Maps, coal, Fremont Co., 1.
 Victoria mine: Maps, mines, Boulder Co., 5.
 Vida group: Bradish, 6.
 Vindicator shaft: Maps, mines, Teller Co., 39.
 Vindicator & Golden Cycle group: Maps, Mines,
 Teller County, 7, 8, 9.
 Viola Beatty claim: Maps, mines, Boulder Co., 4.
 Virtotus placer: Maps, mines, Summit Co., 6.

W

Walker Hill anticline: Osborne, 1.
 Walker placer: Schwarz, 12.
 Wall Street Gold Extraction Co.: C. S. B. M., 2.
 Walsenburg area, Geology of: Henley, 1.
 Walter Scott placers: 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 Sayre, 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.

Waver, springs: Brown, F. E., 1; Fisher, 4; Strieby, 1.

Water, underground: Cannon, 1.

Water, wells: Cannon, 1; Osborne, 1; Well Logs, petroleum and water, 1.

Water diversion: U. S. G. S., 20.

Water supply: U. S. G. S., 20.

See also Power sites; Tunnels, water;

Water, irrigation; Water diversion.

Water Wheel placer: Maps, mines, Lake Co., 9.

Watkins-Bennett anticline: McCain, 1.

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

Wayt & Myers group: Read, 2.

Weber mining properties: Ashbaugh, 8; Thompson, 1.

Weehawken Basin: Bradish, 6.

Weld County, petroleum:

Greasewood dome inspection trip, Barbour, 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., 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 mine: Maps, mines, Summit Co., 29, 31.

Wellington property: Schwarz, 13.

Wellington structure: Wegemann, 1.

Wellington vein: Maps, mines, Summit Co., 29, 31.

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.

Wells & Moyer placer: Maps, mines, Lake Co., 9.

Wells placer: Maps, mines, Boulder Co., 7.

Western Fuel Co.: Maps, coal, Fremont Co., 1.

Western View group: Reed, 7.

West Gold Mng. Co.: West Gold Mng. Co., 1.

Wheeler and Janet groups: Maps, Mines, Park Co. 10.

Wheelmen's Mng. & tunneling Co.: C. S. B. M., 5.

Wheel of Fortune group: Maps, mines, La Plata

Co., 21.

Whiskey Creek structure: Pinkley, 1.

Whitepine property: Ritter, 6.

White Raven mine: Beckstrom, E. L., 1.

White River anticline: Taff, 1.

White River dome: Enrich, 2; Meeker Herald,

1; Taff, 1; White River Oil Co., 1;

Whitney, 1; Ziegler, 1.

White River gas field: Enrich, 2; Horn,

R. C., 1; Lakes, 1.

White River Oil Co.: White River Oil Co., 1.

Whopper, Teller and adjoining mining claims:

Prommel, 9.

Wild Horse group: United Gold Mines Co., 1, 2.

Williams placer: Maps, mines, Summit Co., 3, 25.

Willow Gulch placers: Maps, mines, Costilla Co., 1.

Willow Run claim: Hamilton, 1.

Wilson Creek or "Devil's Hole" dome:

Maps, petroleum, Moffat County, 1.

Wilson Creek placer: Maps, mines, Teller Co. 11,

34.

Wire Patch placer: Maps, mines, Summit Co., 9.

Wonderful placer: Maps, mines, Summit Co., 38.

Wood, Thomas L., property: Schwarz, 4.

Wood Mountain mine: Fair, 4.

Wood Mountain Mining Co.: Teagarden, 1.

World's Fair placer: Maps, mines, Teller Co., 34.

W.P.H. group: United Gold Mines Co., 1, 2.

Wray dome: Harrison, 1.

Wray gas field: Prommel, 4.

Wyandotte-Apex Gold Mining Co.: Holmes, W. I.,

17; McFadden, Lyn, 1.

Wyoming group: Bradish, 6.

Wyoming Valley placer: Maps, mines, Eagle Co. 1, 3.

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: Prommel, 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, Prommel, 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: Bullion King Mining Company, 1.