

INTERNATIONAL EDITION  
**THE MINES HANDBOOK**

SUCCEEDING  
**THE COPPER HANDBOOK**

Founded by Horace J. Stevens, 1900  
DESCRIBING  
**THE MINING COMPANIES OF THE WORLD**

BY

**WALTER HARVEY WEED, E. M.**

Former Geologist in the United States Geological Survey, 1883-1906;  
Member of Mining and Metallurgical Society of America;  
Fellow Geological Society of America; Author: Copper  
Mines of the World; Geology of Butte,  
Montana; Classification of Ore  
Deposits, etc.

Copyright, 1922

by Walter Harvey Weed

**VOL. XV**

Supplementing Volumes I to XIV

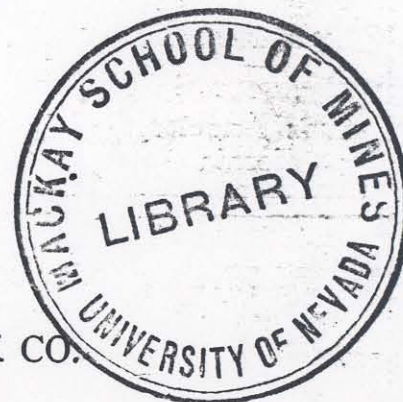
Price \$15.00

37258

PUBLISHED BY

**THE MINES HANDBOOK CO.**

Tuckahoe, N. Y.





**Property:** the Golden Eagle mine, 4 claims and mill site, in part patented, adjoining the Juniper on E., on S. W. slope of Hayden Hill, Lassen county. Mine shows 2 veins in rhyolite breccia, with rhyolite intrusions. Ore carries free gold. Golden Eagle vein, 1 to 25' wide, has been developed by 835' shaft with levels at 150, 200, 300, 400 and 500'. Much of ground developed has been exhausted. Equipped with 150-ton mill and cyanide plant. Reported that the fines only of ore as mined carry values and crushing not needed; ore is simply dried and sized before treatment. Said to have produced \$1,250,000 to 1917.

#### **LE DUC GOLD MINING CO. CALIFORNIA**

**Address:** B. A. Penhall, gen. mgr., Grass Valley, Calif.

**Officers:** C. F. White pres., San Francisco., W. G. Thomas, sec., Grass Valley, Calif., with John P. Jones, San Francisco. directors.

**Property:** 122 acres, 2 miles S. W. of Grass Valley, Nevada county, bonded from A. Le Duc, shows a lava-capped gravel channel under half the acreage, and on the other half 5 quartz veins.

**Development:** by 3, 400' of tunnels and drifts on 2 veins without disclosing any pay-ore. About \$40,000 has been spent; work was resumed early in 1921, the 13th year of development under same management, without revenue from the property during that time.

#### **LEVIATHAN COPPER MINE CALIFORNIA**

**Address:** John L. Henry, 744 — 12th Ave., San Francisco, Calif.

**Property:** 3 claims, 60 acres, 8 miles E. of Markleeville, in the Mogul district of Alpine county. The Leviathan claim was first located in 1863. Examined by W. H. Weed in 1918, also by J. L. Henry, F. L. Sizer, W. T. Rickard, Waldemar Lindgren, and F. W. Guernsey.

**Geology:** ore occurs in andesite tuffs, the beds dipping 30° E. and pitching N. W. - S. E. Copper occurs as carbonate and oxide. Some ore is found in "chambers" and carries up to 30%, but the faces now exposed are not over 7%, as shown by samples cut by the writer and the faces are not all ore.

**Development:** by an upper, 650' tunnel and a lower, 928' tunnel, reaching a depth of 300'. Total workings are 2,200'.

**Production:** is given as \$30,000. In the early days, 500 tons of 30% ore was shipped.

Litigation has been the principal cause of the idleness of this property. On Sept. 20, 1920, the Superior Court of California awarded title to Sarita N. Henry. Assessment work was done in 1920, and active exploration is expected to be resumed in 1922.

#### **LIBERTY PLACER GOLD MINES CO. CALIFORNIA**

**Office:** Hobart Bldg., San Francisco.

**Inc.** 1920, in Calif. **Cap.** \$150,000; \$1 par.

**Officers:** Claude Doak, pres.; Bruce Griffith, v. p.; with John Hanley and W. C. Doak, directors.

**Property:** 20 acres of gold placer ground, 4 miles E. of Roseville, Placer county. The gravel lies under 50' of lava overburden and is mined by shallow shafts. About 15,000 tons of cemented gravel is worth from \$5 to \$45 per ton. A 75-ton, motor-driven mill was erected in 1920.

#### **LIGHTNER GOLD MINING CO. CALIFORNIA**

**Office:** 1327 No. San Joaquin St., Stockton, Calif. **Mine address:** Alex. Chalmers, mgr., Angels Camp, Calif.

**Officers:** C. M. Jackson, pres.; B. F. Wellington, Jr., sec.  
**Inc.** Oct. 26, 1896, in Cal. **Cap.** \$125,000; par \$1; assessable; 62,287 shares outstanding. **Dividends:** \$550,000 to date. **Assets,** Feb., 1916, are \$255,281 and liabilities, \$85,186. Annual meeting last Thursday in Oct.

**Property:** 1 patented claim, 4 1/3 acres, in Angels Camp, Calaveras county, between the Utica and Angels quartz mines, shows a quartz fissure vein said to be 80' running N. W.-S. E., with dip of 70° and assaying \$5 per ton. The mine is credited with a total production to date of \$2,000,000.