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INTERNATIONAL EDITION  
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THE MINES HANDBOOK  
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AN ENLARGEMENT OF  
THE COPPER HANDBOOK

Founded by Horace J. Stevens, 1900

A MANUAL OF  
THE MINING INDUSTRY OF THE WORLD

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BY

WALTER HARVEY WEED, E.M.

Former Geologist in the U. S. Geological Survey, 1883-1906; Member  
Institution of Mining and Metallurgy of America; Fellow  
Geological Society of America; Author: Copper  
Mines of the World; Geology of Butte,  
Montana; Nature of Ore  
Deposits, etc.

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and drills. Concentrates run \$50 per ton; the tailings 30c per ton. About 80 men employed.

**Production:** for last 6 months of 1918, was 44,322 tons of \$2.52 gold ore, producing \$4,652 in bullion and \$106,860 in concentrates; the total was reduced to \$85,516 by freight and smelter charges.

In spite of abnormal conditions and low-grade ore this company continues its work, and issues regular reports.

#### **KING SOLOMON MINE**

**CALIFORNIA**

Owned by C. B. Cottrell, Westerly, R. I. W. H. Young, supt., Cecilville, Siskiyou county, Cal.

**Property:** 40 acres in Secs. 6 and 7, T. 38 N., R. 11 W., near Randsburg, in the Liberty Mining district, Siskiyou county, Cal., shows a 5' vein of free milling ore, with quartz porphyry foot and slate hanging-wall. The vein runs N. S. and dips 60° E. Developed by 460' tunnel, 130' shaft and drifts.

**Equipment:** includes an 8-stamp mill, hoist, boiler and buildings.

In 1917 ore was being produced from 450' level, no later returns.

#### **KINGS QUICKSILVER MINING CO., LTD.**

**CALIFORNIA**

**Office:** 502 King St., London, Ont., Canada.

**Officers:** Wm. Gray, pres.; W. P. Darsh, sec.; A. A. Lewis, supt.

**Property:** a group of claims, in Sec. 20, T. 23 S., R. 16 E., Kings County, 14 miles E. of Parkfield, Monterey county, Cal. Leased by Patriquin brothers in 1918.

**Ore:** native mercury, cinnabar and calcite, occurs in a crushed zone, 35' wide, running S. E. with dip 45° S. W. Country rock is serpentine, shale and metamorphic sandstone.

**Development:** to depth of 200' by 700' upper and 850' lower tunnels, with raises and winze.

**Equipment:** includes 10-ton Scott fine ore furnace with brick condensers and 25-h. p. oil engine. Mine worked intermittently since 1902. In Nov., 1918, a 6' x 6' shaft was being sunk.

#### **KLEINSORGE MINE**

**CALIFORNIA**

**Address:** W. E. Kleinsorge, Sacramento, Cal.

**Property:** an extensive area 30 miles by road S. W. of Red Bluff, Tehama county, on the S. P. R. R., in rough and bare country.

**Geology:** the hills, which are steep, consist mainly of serpentine, in places much shattered. In this rock chrome occurs as veins, pockets and disseminations. The last type of deposit covers a considerable area, and will only be commercial by concentrating.

**Equipment:** 7-mile road, two camps, 3 aerial trams, 10-stamp mill, loading bins, etc.

**Production:** started about mid-year, 1917, and amounted to several car-loads monthly of ore assaying 45% Cr<sub>2</sub>O<sub>3</sub> and low in silica.

Mine is closed on account of the unsettled market for chromite.

#### **LA GRANGE GOLD CO.**

**CALIFORNIA**

**Address:** La Grange, Tuolumne county, Calif.

Company has been operating a dredge on the Tuolumne river some years.

#### **LA GRANGE MINING CO.**

**CALIFORNIA**

A subsidiary of Gold Fields Am. Dev. Co., which see. Operations were stopped during 1918, and part of the equipment sold. See Vol. XIII.

#### **LEVIATHAN COPPER MINE**

**CALIFORNIA**

**Address:** Markleeville, Calif.

**Property:** the Leviathan group, 16 claims, located in Alpine county, 22 miles from Markleeville. The Leviathan claim was first located in 1863, and the upper tunnel driven to almost its present length, 460'; in all there are about 700' of workings. In 1869, a second tunnel, 175' lower, was driven over 900'. About 500 tons of 30% copper was shipped. A small blast-furnace was built, and operated for a short time. Examined by W. H. Weed in 1918.