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# THE <sup>✓</sup>COPPER HANDBOOK

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A MANUAL OF THE COPPER INDUSTRY  
OF THE WORLD

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VOL. IV

FOR THE YEAR 1903

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COMPILED AND PUBLISHED BY  
HORACE J. STEVENS  
HOUGHTON, MICHIGAN, U. S. A.



office: Milford, Beaver Co., Utah. Organized December 19, 1903. Miles L. Burns, president; J. D. Carpenter, general manager. Lands, 9 claims, known as the Lenora group, in Beaver county, Utah.

**LENORA-MT. SICKER COPPER MINING CO. BRITISH COLUMBIA.**

Office: Victoria, B. C. Mine office: Mt. Sicker, Vancouver Island, B. C. W. Buxton, superintendent. Property adjoins the Tyee, and is opened by tunnels. Average assays of upwards of 25,000 tons of ore gave returns of 7.95% copper, 3.57 oz. silver and 0.17 oz. gold per ton. About one-third of the production is first-grade ore, the second-grade ore carrying about 2% to 2.5% copper, with trifling values in gold and silver. Ore body is apparently of large size. Mine has direct connection with the Northwest Smelting Company's works at Crofton, to which ore is shipped. Property is regarded as valuable.

**MINAS LAS LEONORA Y HUERTA. MEXICO.**

Office: Apartado 16, Aguascalientes, Mex. Mine office: Villanueva, Zacatecas, Mex. Employs 150 men. G. M. Daniel, general manager; J. M. Daniel, Jr., superintendent and engineer; Manuel Varila, mine superintendent. Lands, 100 acres, also 500 acres of miscellaneous lands, in the Jalpa district, showing a fissure vein in porphyry, of 10' average width, carrying argentiferous galena, argentite, malachite and azurite, with clay gouge, giving average returns of about 5% copper, 10% lead, 200 oz. silver and 29 milligrams gold per ton. Has shafts of 300' and 1,000', with about one mile of underground openings. Was opened by the Spaniards about 1820, reopened 1883. Has steam power and concentrator with 1 crusher and 12 planillas, for treating low-grade ores. Concentrates and smelting ores are shipped 75 miles by burros to the plant of the American Smelting & Refining Co. at Aguascalientes. Company plans sinking shafts, developing lower levels, adding air drills and reopening properties formerly abandoned, during 1904.

**LERIDA COPPER MINES, LTD. SPAIN.**

In voluntary liquidation. A. R. Norbert, liquidator, 24, Budge Row, London, E. C., England.

**SOCIEDAD ANONIMA MINERA BELGA DE LOS COBRES DE LERIDA Y GRANADA. SPAIN.**

In liquidation. Former offices: Blvd. Anspach, 64, Brussels, Belgium. Mining lands are in province of Lerida and Granada, Spain.

**LESLIE COPPER MINING CO. IDAHO.**

Supposed to have copper claims somewhere west of Salt Lake, Idaho, but letter returned unclaimed from that place.

**LEVANT MINING CO., LTD. ENGLAND.**

Offices and mine: St. Just, Cornwall, England. A cost-book company with 2,385 shares. T. R. Bolitho, chairman; Maj. R. White, secretary. Mine produces tin and copper, mainly the former, and has been continuously worked since 1820.

**LEVIATHAN MINE. CALIFORNIA.**

An idle property, 10 miles east of Markleeville, Alpine Co., Cal. Ore occurs as lenses, in porphyry. Has tunnels of 400' and 700'