

John E. Hardman, S.B.

MINING ENGINEER,

JERSEY MILLS, BEAUCHE CO., QUE.

Can be consulted on all matters pertaining to the profession
The development and management of Gold Properties a specialty.JOHN B. HOBSON,
Min. Eng. and Metallurgist.L. F. WARNER, Jr.
Hydraulic and Min. Eng.**HOBSON & WARNER**

Mining Engineers.

Twenty Years Practical Experience in California

Will examine and report on mining properties
in Canada and the United States.The Equipment and Opening of Deep Gravel
Drift, Hydraulic and Gold Quartz
Mines a Specialty.

QUESNELLE FORKS, BRITISH COLUMBIA.

Agents for the Joshua Hendy Machine Works, Hydraulic
and Mining Machinery, and the Well's Lights,
for use in Hydraulic Mines.

REPRESENTED AT VANCOUVER BY

J. M. BROWNING,Corner Granville and George Streets,
Vancouver, British Columbia.**J. BURLEY SMITH,**

Civil and Mining Engineer,

30 Years Experience.

Glenalmond, Buckingham, Que.

Undertakes the Prospecting of
Mines and Mineral Lands . .Diamond Drill Borings made by contract for all min-
erals (earthy and metalliferous), Artesian Wells and Oil
Springs, also Deep Soundings for Harbors, Rivers, Canals,
Tunnels and Bridge Foundations.

Quarry Sites and Clay Fields Tested.

Plans and Sections made showing result of Borings—
Gold Drifts Tested to Ledge by the new Pneumatic and
Hydraulic Tube System and the yield ascertained—
Flumes, Ditches, Monitors and Placer Mining Plant gen-
erally designed and constructed.Properties Examined and Reported on and Assays
made.**LEDoux & COMPANY,**

9-Cliff St., New York.

Engineers, Metallurgists &
Assayers.

Public Ore Sampling and Storage Works

All the principal buyers of furnace materials in
the world purchase and pay cash against our certi-
ficates of assay, through New York banks.By special permission of the Secretary of the
Treasury of the United States, cars of ore or
Copper matte passing through in bond can be opened
and sampled at our works.Consignments received and sold to highest
bidder. Send for circular giving full particularsMines examined and sampled. Assays
and Analyses of all kinds.**WM. HAMILTON MERRITT, F.C.S.**

Associate Royal School of Mines, &c.,

MINING ENGINEER and METALLURGIST,

Will report on Mines and Mineral Properties

ADDRESS:

15 Toronto St., Toronto, Ont.

F. H. MASON, F.C.S.Member of the American Institute of Mining Engineers
Member of the Society of Arts, Crafts and Industries, London
Member of the Mining Society of Nova Scotia.**CONSULTING METALLURGIST,
CHEMIST AND ASSAYER.**Mines and Mineral Lands Sampled, and Assays
made. The treatment of Refractory Gold Ores and Con-
centrates, a specialty.

QUEEN'S BUILDING,

HOLLIS STREET, - - HALIFAX, N.S.

J. H. CHEWETT, B.A.Sc.Graduate in Applied Science Toronto University, Assoc. Mem.
Can. Soc. C. E.

MINING ENGINEER.

Reports on Mineral Lands, Treatment of Ores, Metallurgical
Processes.

83 YORK STREET, ROSSIN BLOCK, TORONTO.

R. C. CAMPBELL-JOHNSTON

(of Swansea, India, and the United States.)

**METALLURGIST, ASSAYER,
AND MINING ENGINEER.**Properties reported on. All assays undertaken. Fur-
naces and concentrating plants planned and erected.
Treatment for ores given. Ores bought and sold. Box
40, Vancouver, B.C.**E. E. BURLINGAME'S
ASSAY OFFICE AND CHEMICAL
LABORATORY**Established in Colorado, 1868. Samples by mail or
express will receive prompt and careful attention.
Gold & Silver Bullion Refined, Melted and As-
sayed, or Purchased.

Address, 1736 & 1738 Lawrence St., Denver, Colo.

MICHIGAN MINING SCHOOLA State School of Mining Engineering, located in the heart of the
Lake Superior mining region, giving practical instruction in Draw-
ing, Blue-printing, Mechanics, Mechanism, Properties of Materials,
Graphical Statics, Mechanical and Electrical Engineering, Shop-
practice, Analytical and Technical Chemistry, Assaying, Ore Dress-
ing, Metallurgy, Plane, Railroad and Mine Surveying, Hydraulics,
Mining, Mineralogy, Petrography, General, Economic, and Field
Geology, etc. Has Summer Schools in Surveying, Shop-practice,
and Field Geology. Laboratories, Shops and Stamp Mill well
equipped. Tuition free. For Catalogues apply to the Director
Houghton, Mich.**J. T. DONALD,**

Assayer and Mining Geologist,

156 St James Street, Montreal.

Analyses and Assays of Ores, Fuels, Furnace Products,
Waters, etc. Mines and Mining Properties Examined
and Valued.**J. C. CWillim, B.A.P.Sc.**

MINING ENGINEER

New Denver,

SLOCAN, B.C.

WALPOLE ROLAND,

Civil and Mining Engineer.

Reports, Surveys, Estimates, & Development

REFERENCES:

Engineering and Mining Journal, New York.
The Canadian Mining Review, Ottawa, and
The Mining Journal, London, England.

CONSULTING ENGINEER.

OFFICE: LA SEINE RIVER, ONT.

Cable Address: "ROLAND," A1 Code.

FRANCIS WYATT, Ph. D.

Consulting, Analytical and Technical Chemist

12 OLD SLIP, NEW YORK.

(Near Hanover Square.)

BALBACH**SMELTING & REFINING
COMPANY,**

EDWARD BALBACH, JR. - PRES'T.

J. LANGELOTH, - - VICE-PRES'T.

Newark, New Jersey.

Smelters and Refiners of
Gold, Silver, Lead, and
Copper Ores.Bullion and Argentiferous Copper
Matte Received on Consign-
ment or Purchase.

Smelting and Refining Works:

Electrolytic Copper Works:

NEWARK, N. J.

Buena Fe Sampling Works:

Agency, SABINAS COAHULLA,

ORFORD COPPER CO.,**Copper Smelters**Works at Constable's Hook, N.J., opposite New
Brighton, Staten Island. Copper Ore, Mattes, or Bul-
lion purchased. Advances made on consignments for
refining and sale. Specialty made of Silver-bearing
Ores and Mattes.

—SELL—

INGOT AND CAKE COPPER.

President, ROBERT M. THOMPSON,

Treasurer G. A. LAND.

Office 37 to 39 Wall Street, New York.

TO USERS OF THE DIAMOND DRILL.Diamond Drill Bits set Promptly by an Effi-
cient Man. All Work Guaranteed.Bort and Carbon Diamonds for sale. Same
terms as New York. Prospecting with
American Diamond Drill at per
foot or by the day.**McRae & Co.,
OTTAWA.**