

All the other old mines are being worked as usual, except that a smaller number of men are being employed underground in the Copper Cliff mine. But this reduction of the staff is said to be only temporary, and due to the fact that enough ore has been got out already this year to keep the smelter going all winter.

Down the Range, the Travers mine has been well explored, showing a large body of high grade ore, and the smelter is now in full blast. A tramway has been built from the mine to Worthington siding, a distance of four miles.

The Finlanders claim, which has been purchased by Philadelphia capitalists, is going to be opened up this winter, as well as two and probably three other properties in Denison and Graham.

On the property owned by Judge Toms and Mr. Waddell, near the Hazard, Messrs. Glenow & Callahan, have done a lot of development work, with good prospects, and this firm have also been opening up and developing the Bonanza mine on Lake Wapnapitsee, which we are informed looks exceedingly well.

So that altogether a good deal more development work is going to be done in the district this coming winter than in any previous season, with almost the certainty of new and increasing activity and interest in mining here next spring.

This marked improvement in the outlook of the district is owing to several causes. The demand for nickel is growing slowly but surely every year, and with all the successful experiments that have been made there can be no serious doubt any longer that nickel-steel is destined to be the leading metal of the future for many purposes. New and cheaper methods of treating nickel ores and making nickel alloys are being studied out, and especially in the United States. Last but not least, it is universally conceded that the main supply of nickel for the whole world may have to be obtained from the mines of this district. Capitalists are beginning to realize these important facts, and to foresee that a good nickel property is the best mining investment that any one can make now.

CANADIAN COMPANIES.

Truro Gold Mining Co. (Ltd.)—Gives notice of application for incorporation under the Companies Act of Nova Scotia. Authorized capital, \$100,000, in 1,000 shares of \$100 each. The directors are: Thos. G. McMullen, lumber merchant, Truro; Gardner Clish, Truro; Joseph J. Snook, Truro; George W. Stuart, Truro; John H. McKay, Truro; Wm. Fraser, Truro; Lucius B. Crowe, Truro; and J. B. Neily, of Halifax. Formed to acquire and work gold areas in the district of Caribou or elsewhere in Nova Scotia.

River Hebert Mining Company (Ltd.)—Gives notice of application for charter of incorporation under Nova Scotia laws. Capital \$9,000, in 99 shares of \$100 each. Head office: Amherst, N.S. Directors: Gilbert Seaman, Minidie; Amos Seaman and Rufus S. Hubbard, Lower Cove, N.S.; A. R. Dickey and J. M. Townshend, of Amherst. Formed to mine, quarry, win, etc., coal, iron, stone and other minerals.

Gold Queen Mining Company.—Registered at Victoria, B.C., 30th September, 1892. Authorized capital, \$400,000, in 4,000 shares of \$100 each. Formed to locate mines and develop the same, and buy, sell, lease and operate mines, mining stock and properties, etc. Head office, Vale, B.C.

The Coal Hill Kamloops Mineral and Mining Company (Ltd.)—Gives notice for charter of incorporation under British Columbia Act. Capital, \$150,000, in 1,500 shares of \$100 each, with power to increase the same to \$500,000. Trustees: Henry E. Edwards, John A. Webster, and Joseph W. Vaughan, all of Vancouver, B.C. Head office: Vancouver, B.C. Formed to purchase and acquire all rights and privileges in certain coal lands and mines owned and carried on by H. V. Edwards, J. A. Webster and J. W. Vaughan, at or near the town of Kamloops, in the Province of British Columbia, and carry on the same, etc.

Ontario Silver and Antimony Company (Ltd.)—Gives notice of application for charter of incorporation. Authorized capital, \$150,000, in 150,000 shares of \$1. Head office: Toronto. Formed to carry on mining in

Township of Barrie, in the County of Frontenac, and elsewhere in the Province of Ontario. Directors: Isaac M. Scott, contractor, Township of York; James C. Cockburn, Toronto; and John Critchley, contractor, Toronto Junction, Ont.

The Thomas Nightingale Pressed Brick Company of Toronto—Gives notice of application for charter of incorporation. Authorized capital, \$50,000, in 1,000 shares of \$50 each. Head office: Toronto, Ont. Directors: W. Van Alstine Cook, druggist, Toronto; Charles Henderson, barrister, Toronto; and Mrs. Margaret Nightingale, Toronto. The operations of the company are to be carried on in the Counties of York and Peel, and the city of Toronto and elsewhere in the Province of Ontario.

Indian Lake Mining Company—Authorized capital, \$50,000, in 2,500 shares of \$20 each. Head office: Toronto. Directors: Wm. Harty, Kingston, Ont.; T. W. H. Leavitt, Toronto; and J. C. Judd, barrister, Toronto. The operations of the company to be in the Counties of Frontenac and Leeds in the Province of Ontario.

The Tache Gold Mining Company of Ontario.—Authorized capital, \$500,000, in 5,000 shares of \$100. Head office, Chatham, Ont. Directors: Samuel Barfoot, Chatham, Ont.; Joseph S. Butler, Chatham, Ont.; George C. Scott, Chatham, Ont. Formed to acquire and work mineral lands within the district of Rainy River, Ontario.

The Low Phosphorus Ores Properties Company of Ontario (Ltd.)—Authorized capital, \$350,000, in 3,500 shares of \$100. Head office: Toronto. Directors: Frederick T. Jones, New York; Dr. Colin McDougall, New York; C. W. Gleason, Passaic, N.J.; Robert Fyfe Brooklyn, N.Y.; and T. D. Leyland, Toronto. The operations of the company are to be carried on in the Counties of Haliburton and Peterborough, and elsewhere in the Province of Ontario.

Ontario Peat Fuel Company (Ltd.)—Authorized capital, \$500,000, divided into 5,000 shares of \$100. Head office: Toronto. Directors: Horace T. Archibald, Horace Thorne, Toronto; Archibald A. Dickson, Montreal; Francis C. Ireland, Toronto; Anton Gunther and James R. Sillman, Toronto. Formed to acquire the right to manufacture peat fuels or other fuel under patent from the Dominion Government; to acquire, hold, and operate, peat lands, etc.

Standard Coal and Chemical Company.—Authorized capital, \$100,000. Head office: St. John, N.B. Directors: William Wheeler, Prince William street, St. John, N.B.; Alex. M. Phillips, Prince William street, St. John, N.B.; Jas. H. Doodry, Prince William street, St. John, N.B. Formed for the purpose of manufacturing and selling chemicals, etc.

EBEN E. OLCOTT,

CONSULTING MINING ENGINEER.

18 BROADWAY, - - NEW YORK.

Cable Address: Kramolena.

Examinations Made

AND

Reports Rendered on Mines and Mineral Properties, Metallurgical Works and Processes.

Will act as permanent or special advising engineer of mining companies.

Represents Mr. M. P. Boss, of San Francisco, and his system of continuous milling for the amalgamation of gold and silver ores.

R. G. CAMPBELL-JOHNSTON

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

METALLURGIST, ASSAYER,

AND MINING ENGINEER.

Properties reported on. All assays undertaken. Furnaces and concentrating plants planned and erected. Treatment for ores given. Ores bought and sold. Box 731, Vancouver, B.C.

CANADIAN GOLD MINES.

The undersigned invites correspondence with proprietors of rebellious or refractory GOLD ORES or TAILINGS in CANADA with a view to enter into contract to treat same.

J. LAINSON WILLS, F.C.S.,

206 Albert Street, OTTAWA.

Geological Survey of Canada.

Annual Report, 1888-89,

VOL. IV.

With Accompanying Geological Maps, Plans of Mine Workings, and other Illustrations; also a Complete Alphabetical Index.

NOW PUBLISHED AND ON SALE.
PRICE, COMPLETE, TWO DOLLARS.

Part A.—Summary Reports of Operations 1888 and 1889, by the Director. Price 10 cents.

Part B.—West Kootanie District, B.C., by Dr. G. M. Dawson. Price 25 cents.

Part D.—The Yukon and Mackenzie Basins, with maps, by R. G. McConnell. Price 25 cents.

Part E.—Lake Agassiz in Manitoba, by Warren Upham. Price 25 cents.

Part F.—The Sudbury Mining District, by Robert Bell, B.A., Sc., LL.D. Price 25 cents.

Part K.—Mineral Resources, Quebec, by Dr. R. W. Ellis. Price 25 cents.

Part N.—Surface Geology, New Brunswick, by R. Chalmers. Price 30 cents.

Part R.—Chemical Contributions, by G. Christian Hoffmann. Price 25 cents.

Part S (a).—Mining and Mineral Statistics, 1888, by H. P. Brumell. Out of print.

Part S (b).—Mineral Statistics and Mines, 1889, by E. D. Ingall and H. P. Brumell. Price 25 cents.

Part T.—Annotated List of Minerals occurring in Canada, by G. Christian Hoffmann. Price 25 cents.

Note.—These and all other Publications of the Survey, if not out of print, may be purchased from or ordered through

W. FOSTER BROWN & Co., Montreal.

DURIE & SON, Ottawa, Ont.

WILLIAMSON & Co., Toronto, Ont.

MCGREGOR & KNIGHT, Halifax, N.S.

J. A. McMILLAN, St. John, N.B.

J. N. HIBBEN & Co., Victoria, B.C.

R. D. RICHARDSON, Winnipeg, Man.

MOIR & MILLS, Port Arthur, Ont.

THOMPSON BROS., Calgary, Alta.

THOMPSON BROS., Vancouver, B.C.

EDWARD STANFORD, 26 and 27 Cockspur Street,

Charing Cross, London.

SAMPSON, LOW & Co., 188 Fleet Street, London.

F. A. BROCKHAUS, Leipzig.

B. WESTERMANN & Co., 838 Broadway, N.Y.

or on application to

DR. JOHN THORBURN,

Librarian,

Geological Survey, Ottawa.

N.B.—Catalogue and Price List can be obtained from any of the above.

OTTAWA POWDER CO., LIMITED.

ESTABLISHED 1891.

MANUFACTURERS OF DYNAMITE AND TRIOLINE.

Dealers in Safety Fuse, Platinum Fuses, Detonators, and all Blasting Supplies.

PRINCIPAL OFFICE: BUCKINGHAM, QUEBEC.

ALL ORDERS PROMPTLY ATTENDED TO UNDER GUARANTEE OF EXCELLENCE.