

Mining Matters.

M. BEATTY & SONS, manufacturers of contractors' plant and mining machinery, Welland, Ont., have appointed E. Leonard & Sons their agents in Montreal.

THE following are the duties upon ore brought down by the Dominion Government. (a) On nickel contained in matte or in the ore, or in any crude or partially manufactured state, and upon copper contained in any matte or ore, which also contains nickel, when exported from Canada, upon such nickel an export duty not exceeding 10c per pound, and upon such copper an export duty not exceeding two cents per pound. (b) On ores which contain copper or any metal other than nickel or lead, when exported from Canada, an export duty not exceeding 15 per cent. on the value of the said ores. (c) On lead ores, and on lead and silver ores, when exported from Canada to a country which imposes an import duty on lead in bar or in the form of pig lead in excess of the import duty on lead contained in lead ores, or in lead and silver ores, an export duty on the lead containing the ores so exported from Canada to an amount per pound equivalent to such excess.

A DISCOVERY of black granite is said to have been made at Welsford, N.B. The property has been acquired by a Bridgewater, Nova Scotia, firm, and they will commence the erection of polishing works.

THE successful operation of the new calcining and refining furnaces at the Nelson, B.C., copper mines, has been a matter of general congratulation, and the fineness of the copper produced has been steadily improved. The grade now produced is 98 and 99 per cent copper, silver and gold, and as much as fifteen tons have been taken from the refining furnace from a single charge.

THIS season there will be four members of the Canadian Geological Survey at work in Nova Scotia. Dr. Ellis, Mr. Fletcher and Dr. Ami will visit the coal measures and complete surveys that have been going on for some time. Mr. Fairbairn will resume his study of the gold-bearing rocks along the Atlantic coasts of that province.

THE Hawk Bay mine in western Ontario is now equipped with a fine plant, the machinery consisting of two 35 h p boilers, a three drill air compressor, three Rand drills, a 17 x 10 double cylinder hoisting engine, and a single cylinder hoisting engine.

A NEW dredge is to be put in place at Big Bar, on the Fraser River, where, H. O. Bowe says, a bucketful of gravel yielded \$2 in gold.

WM. OGILVIE, D.L.S., gives some startling information about the richness of the gold bearing gravel in the Klondike region on the Yukon. Placer mining is being carried on in Bonanza Creek, an affluent of the Klondike, and the workings must be exceptionally rich, for three men worked out \$75 in four hours, and a \$12 nugget has also been found, showing that there is coarse gold and plenty of it. It is claimed that from \$100 to \$500 a day can be made off the ground that has been prospected. One man washed out a single pan of dirt on one of the claims and found \$14.25 in it. The average on that claim, it is reported, is \$5 to \$7 per pan, with 5 feet of pay dirt and the width yet undetermined, but it is known to be at least 30 feet, so that, figuring at nine to ten pans to the cubic foot, on a length of 500 feet, the result would be nearly \$4,000,000, at \$5 per pan. Another claim has been prospected to such an extent that it is known there is about 5 feet of pay dirt, averaging \$2 per pan, and of a width of not less than 30 feet.

Marine News.

THE Dominion Atlantic Railway Co. is building a wharf at Yarmouth, N.S.

AN attempt was made to burn the steamer "Lakeside," at St. Catharines, Ont., recently.

THE Ontario Government has granted two leases for the ferry business between Kingston and the islands.

THE Rondeau and Cleveland Steamship Company, Limited, has applied for incorporation. Chief place of business, Chatham, Ont.; capital, \$20,000.

THE Richelieu and Ontario Navigation Co.'s steamer "Corsican," which was practically rebuilt last winter, is now one of the finest boats on the lake and river route.

THE contract of Wm. Davis & Sons at Cardinal, on the St. Lawrence Canal, will involve the making of a cut half a mile long, 60 feet deep and about 300 feet wide.

THE contract for building the wharf at Pugwash, N.S., for which \$10,000 were placed in the estimates in the last session of Parliament, has been awarded to McDonald & Moffat, North Sydney, C.B.

THE Canadian Pacific Railway Company will add to its fleet on the Columbia by building an express boat for carrying passengers, mail and express. The keel of the new boat was recently laid at Nakusp. When completed, it is expected that the boat will be the fastest craft in any of the inland waters of the North-West, and it is expected to make the time from Trail to Arrowhead in 24 hours, equal to 19 miles an hour. The boat will be christened "The Flyer."

AFTER being bitterly fought, step by step, through the courts for nearly a score of years, a decision has been handed down in the United States Supreme Court, in the case of the owners of the barges "Eldorado," "George W. Wesley" and "Bay City," against the owners of the steamer "J. B. Donaldson." The court held that when a steamer is compelled to desert her tow in a storm for self preservation she cannot be held liable for any general average loss sustained by the tow.

Personal.

J. F. MILLAR, of Morrisburg, Ont., recently visited Japan as agent for the Leonard & Ellis Oil Company.

JOSEPH McNEIL, an employee of the Nova Scotia Steel Co. at Ferrona, N.S., was killed recently by falling from a moving train.

C. H. RUST, assistant city engineer, Toronto, has been appointed a member of the council of the Canadian Society of Civil Engineers.

THE fly wheel of the engine in the St. John, N.B., street railway power-house burst recently, seriously injuring Chas. Sullivan, who was in charge.

ELISHA STEWART, O.L.S., Collingwood, Ont., has been appointed by the Ontario Government as chief of the Bureau of Mines Department, to be established at Rat Portage, Ont.

WM. DAVIDSON, Sherbrooke, Que., who recently graduated with high honors from Columbia College, New York, has been sent to Japan by the Rand Drill Company to erect a large mining plant.

SYDNEY M. JOHNSON, B.A., Sc., P.L.S., and J. E. McAllister, B.A., Sc., have opened an office in Trail, B.C., where as Johnson & McAllister they do business as surveyors, assayers and mining engineers.

ALEXANDER R. GOLDIE, of Goldie & McCulloch, Galt, Ont., was recently married to Miss Nora Gibson, daughter of the late James Gibson, at the residence of the bride's mother, "Spring Valley Farm," Berlin, Ont.

D. J. WATROUS, of the Waterous Engine Works Company, Brantford, Ont., was polishing the chain of his bicycle recently on an emery wheel. While working, the chain in some manner was caught and jerked violently, and winding round his arm tore the coat sleeve off and inflicted painful bruises and cuts all the way up his arm.

R. O. KING, B.A. Sc., Toronto, who graduated from McGill University with the British Association Gold Medal in 1895, and whose portrait appeared in THE CANADIAN ENGINEER at the time, has just been appointed to the William Whitney Fellowship, at Harvard University, where Mr. King has been taking a course in the graduate school. Mr. King was born at Port Hope, Ont., 23 years ago, and received his earliest education at Georgetown, Ont.

WHILST superintending the construction of machinery at Montmorency Falls, not long ago, Omer Carrier, of the firm of Carrier, Laine & Co., Levis, Que., accidentally touched a live wire. He was knocked down, but rising again he said to those around him, "Oh, it is nothing." He sank to the ground again, and all efforts to revive him were fruitless. Mr. Carrier, who was 27 years of age, and leaves a widow and two children, is much regretted by a large circle of friends.

J. R. ROY, C.E., formerly of Montreal, who is in the Public Works Department of Canada, has recently been appointed to fill the important position of resident engineer in the Province of British Columbia, where he will have the full charge of all the work of the department in that province. The chief provincial office of the department has recently been moved from Victoria to New Westminster, from whence Mr. Roy will leave early in July for a tour of inspection of the other offices of the department in the province. A very important part of Mr. Roy's work has been the establishing, at different points along the Fraser River, of gauges to record its rise and fall. The state of the river will be telegraphed to points which have before now suffered by inundations, and farmers will in future have due warning.

THE 29th annual convention of the American Society of Civil Engineers opened in Quebec, July 1st.