

to the packing department, and thence load them directly upon cars which traverse the end of the building.

Messrs. Riblet & Co., Nelson, B.C., have been awarded the contract for the erection of a tramway at the Alice Mine near Creston, B. C.

The new Imperial Mines have been incorporated at Victoria, B.C., with a capital of \$100,000, to carry on a mining, milling and refining business.

The Vanstone Heating & Plumbing Co., New Westminster, B.C., have been incorporated with a capital of \$25,000, to acquire the business of W. E. Vanstone and to manufacture hot water heaters, etc.

The Moore Preserve Co. have been incorporated at Victoria, B.C., with a capital of \$50,000, to manufacture jams, jellies, etc.

The Golden Copper Mining Co. have been incorporated at Victoria, B.C., with a capital of \$200,000 to carry on a mining and smelting business.

The A. J. Burton Saw Co. have been incorporated at Victoria, B.C., with a capital of \$75,000, to manufacture saws, files, machines, etc.

The Canadian Pacific Railway Co. will erect a new station at Revelstoke, B.C., a station and general offices at Calgary, N.W.T., at a cost of \$50,000, and a station at Medicine Hat, N.W.T., at a cost of \$10,000.

The British Columbia Railway Co. will enlarge their car shops at New Westminster, B.C.

J. C. Downing, Seattle, will erect a cigar factory two storeys high, 75x25 feet, in Vancouver, B.C.

The Kalispell Brewing Co. propose building a brewery at Morrissey, B.C.

W. F. VanBuskirk, city engineer, Rossland, B.C., is preparing estimates for a municipal electric light plant.

C. Fernau, consulting engineer of Newcastle-on-Tyne, England, and Oscar L. Lefebvre, Brussels, Belgium, who have been in the Kootenays for the past month seeking sites for zinc reduction and lead reduction plants, have announced that they had practically determined on the sites. The zinc enriching plant will be located at Rosebery, on Lake Slocan. The zinc smelters will be at Fernie, B.C., or Frank, N.W.T. Location will be determined after they have made a trip to the East and had a conference with the people owning coal mines in the Crow's Nest Pass. They hold that it would be cheaper to haul the zinc concentrates and ores to the point where cheap fuel can be obtained than haul fuel to the mines.

The Pittsburg Shafting Co., Detroit, Mich., inform us that they are meeting with much success in introducing their Hyatt Roller Bearings in Canada. They have just equipped the works of the following prominent Canadian manufacturing concerns with these bearings: The Cockshutt Plow Co., Brantford, Ont.; William Gray & Sons, manufacturers of carriages, etc., Chatham, Ont.; McClary Mfg. Co., London, Ont.; and the Toronto Brass Mfg. Co., Toronto. The Pittsburg

Shafting Co. say that the reason that the Hyatt Roller Bearings are meeting with such success is because they effect the purpose desired and are not expensive.

The International Coal & Coke Co. will establish waterworks and electric light system in Blairmore, N.W.T.

The Canadian Pacific Railway Co. will erect a new depot at Blairmore, N.W.T.

A. M. Fraser, architect, Indian Head, N.W.T., has prepared plans for a hotel to be built at Neudof, N.W.T., at a cost of \$6,000; also for a \$12,000 hotel at Frances, N.W.T.

The ratepayers of Calgary, N.W.T., have passed a by-law to provide \$70,000 for erection of new public schools.

The contract has been let to W. Horner for the erection of a three-story addition to the Occidental Hotel, Winnipeg, Man., of which D. Ripstein is the proprietor.

The Manitoba Construction Co., Winnipeg, Man., have secured the contract from W. B. Stirling for the erection of a large warehouse in that city. The building will be occupied by the Royal Furniture Co., formerly the Steele Furniture Co.

The Winnipeg Casket Co., Winnipeg, Man., will enlarge their factory by a two story addition 60 x 40 feet, which will be used for the manufacture of boxes, packing cases, crates, etc.

The Gurney Stove and Range Co., Winnipeg, Man., have changed their name to Tilden, Gurney & Co.

Mr. E. H. Rodgers, building inspector, has presented a report to the Winnipeg City Council showing that during the months of January and February he has issued permits for buildings valued at \$145,300, as against \$42,150 for the corresponding two months of last year. There is every indication that building operations in Winnipeg this year will be far in excess of last, when permits for over \$5,000,000 worth of warehouses, blocks and dwellings were issued.

The Willson Stationery Co., Winnipeg, Man., have been incorporated with a capital of \$30,000, to acquire the business of the Ford Stationery Co., and to manufacture office supplies, etc. The provisional directors include H. L. Willson, F. E. Martin and G. M. Stunden, Winnipeg.

PROPOSED NEW WATERWORKS FOR TORONTO.

The Committee on Works of the Toronto City Council are having a by-law prepared to be submitted as soon as possible to the ratepayers of the city to raise \$1,000,000 for waterworks improvements. The details of the improvements which the Engineer proposes to make are as follows:

New meters, \$50,000.
Concreting sides and bottom of Rosehill Reservoir, \$35,000.

36 inch main, Bathurst street, College street to Rosehill Reservoir, 16,800 feet, \$190,011.

24-inch main, Front street, Church street to Sumach, thence up Sumach street to Queen, \$55,394.

20-inch main, from High Level Station to St. George street, via Dupont street, 1,080 feet, \$8,308.

16-inch main, St. George street, from Dupont to Bloor, 3,150 feet, \$13,484.

16-inch main, Queen street east, from Sumach to Don Bridge, 1,050 feet, \$4,809.

16-inch main Queen street east, from Don Bridge to Broadview avenue, 1,050 feet, \$6,520.

12-inch main, Strachan avenue, from Wellington avenue to Exhibition, 3,800 feet, \$10,604.

12-inch main, Queen street west, from Dundas to Gladstone, 2,200 feet, \$6,464.

12 inch and 6-inch mains at Dundas and Ruskin avenue, to connect and improve pressure, 1,200 feet, \$2,015.

High level district east of the Don, to improve pressure and supply, \$2,584.

New 5,000,000-gallon pumping engine and boiler, building and equipment for High Level Pumping Station, \$50,000.

6-foot steel pipe from shore crib to tunnel shaft, including masonry, valves, connections to basin and Hanlan's crib, \$200,000.

Tunnel, including all connections, valves, etc., \$325,000.

Total, \$960,193.

PRODUCTION OF MINERALS IN ONTARIO.

The Ontario Bureau of Mines has issued a statement showing the production of minerals in this province in 1903. The total value of metallic minerals was \$5,164,800, and non-metallic, \$7,632,644. The number engaged in the production was: Metallic, 2,936; earning in wages, \$1,583,361. Non-metallic, 7,652; earning \$2,617,012. Following is the summary of production:

METALLIC.			Value.
Article.	ounces.		
Gold	10,333		\$183,036
Silver	16,833		8,912
Copper	4,731		611,735
Nickel	6,938		2,429,068
Iron ore	208,151		450,000
Pig-iron	57,004		1,191,036
Steel	15,229		301,586
Zinc ore	1,150		17,000
Total value, \$5,601,154, less value Ontario ore smelted into pig-iron and pig-iron converted into steel, \$136,151. Total value of metallic production, \$5,464,903.			
NON-METALLIC.			Value.
Article.			
Acetate of lime	tons, 550		\$1,650
Arsenic	257		20,016
Tile, drain	number, 18,200,000		227,000
Brick, common	234,000,000		1,561,700
Brick, paving	3,783,800		45,233
Brick, pressed and terra-cotta	number, 23,702,610		215,530
Building and crushed stone			845,000
Carbide of calcium	tons, 2,507		144,000
Cement, natural rock	barrels, 89,519		69,319
Cement, Portland	695,200		1,182,799
Corundum, grain	tons, 849		84,900
Corundum, cobbed	270		2,700
Felspar	15,276		20,016
Graphite	4,100		20,636
Gypsum	4,520		7,910
Iron pyrites	7,400		21,603
Lime	bushels, 3,400,000		520,000
Mica	tons, 918		112,205
Natural gas			196,535
Peat	tons, 1,100		3,300
Petroleum, Imperial gallons	16,610,333		
Illuminating oil	7,496,073		
Lubricating oil	2,614,313		
Benzine and naphtha	82,153		
Gas and fuel oils and tar	1,963,172		
Paraffin wax and candles	lbs, 2,673,846		1,586,674
Pottery			160,000
Salt	tons, 58,274		383,097
Sewer pipe			199,971
Talc	tons, 920		2,625
Total non-metallic production, value, \$7,632,644; add metallic production, \$5,164,800. Total value, \$12,797,444.			