

are in the basement. The building is of brick with steel frame, and mill construction is adopted throughout. The works which will employ 80 to 100 men, will be chiefly devoted to ship repairs and fire station equipment.

The Diamond Flint Glass Company, of Toronto and Montreal is arranging to open a new glass factory in Hamilton. It is proposed to use the old glass furnace building, and plans for additional buildings are being prepared. From 100 to 150 hands will be employed.

The recent fire at the Greening Wire Co.'s works, Hamilton, did not destroy any of the works except the tower used in the painting of screen cloth. All other departments were uninterrupted by the fire, and the painting department was running as usual a few days afterwards.

The foundry, factories, etc., of Desjardines Co., at St. Andre, Que., were destroyed by fire on April 25th. The plant consisted of a stove foundry and other shops for the manufacture of carriages, agricultural implements, etc. The loss is \$50,000, with little insurance. The origin of the fire is a mystery.

The Friestedt Interlocking Channel Bar Co., of Chicago, hitherto a private company, has been incorporated with a capital of \$1,000,000. This company are patentees of a system of steel piling, which is not only water-tight and can penetrate quicksand to any depth, but can be repaired. It is adapted for mine shafts, coffer dams, sea-walls, subways, power-dams, deep foundations, or irrigation works, and has strong endorsements from engineers and contractors in the United States.



## MUNICIPAL WORKS, ETC.

The town council of Rat Portage has changed the name of the town to Keenora, with the sanction of the Legislature.

A high pressure water system, to cost \$350,000, for fire protection only, was authorized by the Winnipeg city council recently.

Morrisburg ratepayers carried by-laws to develop power on the Rapid Plat Canal and to grant free power, water and light to a tinplate industry.

A storm sewer system is being planned for Brantford. T. Harry Jones is city engineer, and Willis Chipman, Toronto, consulting engineer.

The town council of Rosthern, Sask., are discussing telephone and electric light service, which the rapid development of the town has made necessary.

Moncton, N.B., has ordered a 450 horse-power Corliss engine for direct connection to electric generator, from the Robb Engineering Company.

The citizens of Indian Head, N.W.T., have given the town council permission to prepare a by-law calling for \$140,000 to install a waterworks, sewerage and an electric system in the town.

Glance Bay, N.S., has ordered from the Robb Engineering Company a 375 horse-power Corliss engine and a 150 horse-power Robb-Mumford boiler for the extension of their electric lighting plant.

The corporation of Calgary, N.W.T., have retained the services of R. S. Kelsch, consulting engineer, Montreal. The tenders for complete municipal lighting plant have been received, and the council will place contracts, as soon as report on tenders is prepared.

Western towns are busy getting ready to make extensive local improvements. Prince Albert will spend \$160,000 in sewers, sidewalks, and waterworks; Calgary, \$60,000 for an electric light plant, and Indian Head \$150,000 for sewers, light, fire protection, and waterworks.

John Galt, C.E., Toronto, is preparing designs for improvements and additions to the water supply and sewage systems of Fort William. It is expected that water will be brought from Loch Lomond by gravitation and the pumping from the Kaministiquia river abandoned. Designs will be prepared for a complete sewage system, part of which will have to be pumped.

Willis Chipman, C.E., Toronto, has been appointed engineer for the construction of the new waterworks and sewage system at Prince Albert, N.W.T., which will cost \$153,000.

The corporation of Portage la Prairie, Man., may proceed with the construction of the projected waterworks and sewage system by day labor, under the supervision of Willis Chipman, C.E., Toronto.

John Galt, C.E., of Toronto, has submitted his report on the water supply of Sarnia. The present location calls for \$60,000 expenditure for improvements, while a proposed new location farther up the river at Point Edward would require an outlay of \$150,000.

In connection with the sewage and water system of Lethbridge, N.W.T., Willis Chipman, who is engineer for these works is leaving with the municipality a valuable record in the form of a blue-print book of 90 pages, 6 x 8 in., backed with linen, showing the location of all the hydrants, valves, special castings and sewer connections along with the width of the street, and the areas of the town lots, which will be available for reference at any future time. In the case of Gananoque, Ont., for which Mr. Chipman is also engineer, the record is in the form of a portfolio volume of 50 pages 20 x 26 in., giving the geological chart, showing the areas of rock, clay, etc., and indicating by colored lines and symbols, the buildings and class of material used in the same, the location of sewers, manholes, and connections, the water-pipes and location of valves and hydrants, etc. This portfolio is neatly done on tracing cloth, and is a very complete surveyor's record.



## MINING MATTERS.

The output of the Chrome iron mine of Quebec was 6,000 tons in 1904, against 3,000 tons in 1903, mostly in concentrates.

The miners at Acadia Mine, Westville, N.S., are out on strike. They have a number of grievances against the manager.

The Eustis Mining Co., of Eustis, Que., has put up an electric plant of about 500-h.p for its works, the power being generated at the Coaticook River.

It is reported that W. H. Hearst, a well-known barrister, of Sault Ste. Marie, Ont., has been offered the position of Minister of Mines in the Provincial Cabinet.

Twenty tons of gold, valued at \$9,000,000, have been produced by the Klondike proper, the district within a radius of fifty miles of Dawson, since January 1st, this year.

A nugget of almost solid silver, twenty-five inches wide and two inches thick, weighing eighty pounds, and valued at \$380, has arrived at the office of the Director of Mines for Ontario. It is from the Trethway Cob silver mine, near Cobalt, on the Temiskaming Railway, from which neighborhood, since the discovery of the veins there, it is said, \$500,000 worth of ore has been spread.

The Big Dipper Mining and Milling Company of Ontario has been formed at Peterboro, with an authorized capital of \$2,500,000, the proposal being to carry on development work in the Barrie Township, Frontenac County, Ont. The company owns 1,934 acres of mineral lands through which a valuable gold vein has been traced. S. Sager, Peterboro; J. S. Waldron, Jackson, Pa.; J. M. Fletcher, Buffalo, and J. A. Jamieson, Myres' Cave, are members of the company.

The greatest gold find in Canada is said to have been made recently near New Liskeard in the Cameron mine, owned by the Temiskaming and Hudson Bay Mining Co. Upon making an analysis, the ore was found to contain a percentage of gold equalled by only four other mines in the world. It may, however, prove to be a "pocket."

The American Asbestos Co., of Boston, of which H. M. Whitney is president, has bought the King asbestos property at Thetford, Que., and has been operating it since January under the same management. This company owns the Black Lake asbestos mine, in which a new milling plant has been installed. This plant is now operated by electricity,