

The contract for building the bridge across the St. Lawrence River at Cornwall, Ont., for the Ottawa and New York Company has been awarded to the Phoenix Bridge Company, Phoenixville, Pa.

J. Hillock & Company's planing mill at Toronto was damaged by fire a few days ago to the extent of about \$2,500.

The Canadian Canoe Company, Peterborough, Ont., are now working on an order for canoes to be used in reaching the Klondike district in the far North-West. The canoes are all large sizes, and of extra depth and width, so as to have large carrying capacity. Shipment will be made to the company's agent at Edmonton, N.W.T., where they will be delivered to customers. The right kind of canoes is a scarce article in the territories, and in lively demand for prospectors' use.

As a depilatory agency sulphide of sodium has of late received considerable attention, and Messrs. F. E. Atteaux & Co., 174 to 176 Purchase street, Boston, Mass., selling agents for the Trembley brand, have issued a pamphlet in which they set forth the use and mis-use of sulphide of sodium. The pamphlet should be in the hands of all tanners who desire to learn something about the process of depilating hides and skins. The pamphlet will be sent to any tanner who will send his address to F. E. Atteaux & Co., mentioning this journal.

The prediction that within ten years 600 foot vessels will be built on the lakes is made by the Detroit Free Press. It says that it is thought that in the next ten years the present length of 440 feet will be exceeded by 150 or more feet. Experiments are be-

ing made with a central arch of steel running fore and aft, as it is in the length not width, that weakness is shown in a seaway. Then it is thought that girders will be so changed in position and composition as to give greater strength, and that strakes will not only be made stronger but better fastened as the method improves with experiment. The limit as to depth is certainly reached now, though fifty-five feet and even a little greater, may be attained in width. Therefore it would be necessary to introduce the arch and other means of strengthening. Not only the seas but the action of the engine gives the long hull the snake-like motion that is plainly perceptible if one stands at the after end and look towards the bow. A steel arch, running amidships the length of the vessel, and well braced, would so strengthen the modern steel vessel hull as to allow of the 550-foot length and greater and at the same time not handicap the vessel with dead weight, giving it great draught when with light cargo. - Industrial World.

Contracts have been awarded to both the Ingersoll and Rand companies for temporary machinery for the excavation of rock at the middle falls of the Kootenay river for the big electric power plant to be put in there by Sir Charles Ross and his associates. James D. Sword, of the Ingersoll company, and Frank Mendenhall, of the Rand company, have been here and furnished bids and estimates. They were so close together that the contract was divided between them. - British Columbia Colonist.

The Knowles, Ham & Nott Company, Brantford, Ont., manufacturers of refrigerators, house furnishings, etc., will build additions to their factory.

The Ashcroft Water Works Company, Ashcroft, B.C., has been incorporated with a capital stock of \$25,000, to construct and operate a water-works system for the locality of Ashcroft, B.C.

The McEachern Heating and Ventilating Company, Galt, Ont., recently received an order for a lumber dry kiln from John Zimmerman, Tavistock, Ont., and another from C. S. Kellar, Stratford, Ont., for a kiln for brick drying.

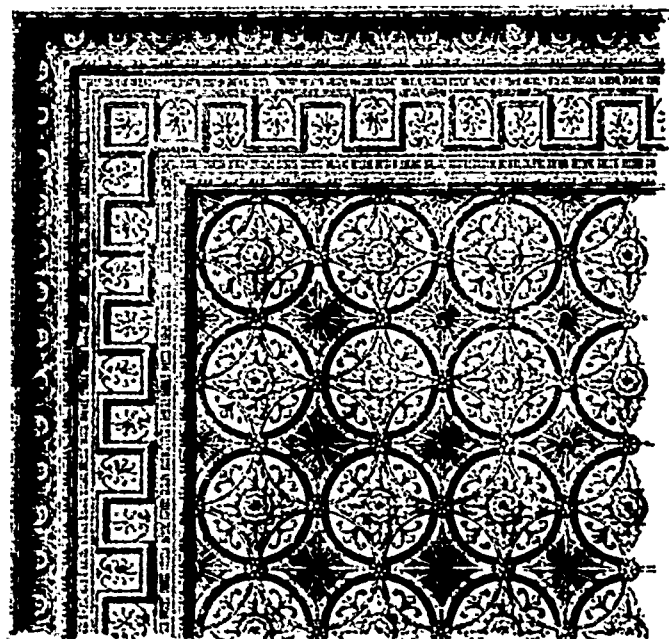
The T. G. Rico Wire Manufacturing Company, Toronto, has been incorporated with a capital stock of \$3,000, to carry on a general wire and ornamental iron-working business.

The Record Foundry and Machine Company, Moncton, N.B., recently completed a single span bridge, 240 feet in length, for Kings County; a two span bridge, 400 feet in length, for Westmoreland county, and another single span bridge, 200 feet in length, for Northumberland county, all in New Brunswick. The company are also manufacturers on a large scale of stoves, furnaces, enamelled ware, etc., and have distributing houses at Montreal and Toronto.

The McKay Milling Company's flour mills at New Edinburgh, Ont., were damaged by fire July 19th. Loss, about \$25,000.

Mr. H. S. Arntfeldt, Preston, Ont., has patented an adjustable belt coupler, which, after being tested in shops in Preston, Galt and Hespeler, has been pronounced a success.

George Hawkes, Wakefield, Mass., will start a factory to manufacture rattan furniture at Lower Cape, Albert county, N.B.



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