

MESSRS. HEINTZMAN & Co., Toronto, have been making some very large shipments of pianos, including towns and cities from Halifax to Vancouver. This, we suppose, is in anticipation of the holiday trade. They inform us that their city business is remarkably brisk.

THE Brosius Motor Sewing Machine Company has been incorporated with a capital stock of \$300,000. This is the company which is said to have made a deal with the Wanzer Sewing Machine Company, of Hamilton, Ont., and are to take over their extensive works.

A COMPANY is being formed at Vancouver, B.C., for the purpose of carrying on a general ship-building business at that city. The company will have a capital stock of \$100,000. Vessels up to 1,000 tons burden will be built. Property for the site of the yard has already been purchased.

THE planing mill of Mr. R. F. Beamish, and the fanning mill factory of Mr. C. H. Merrick, at Pembroke, Ont., were destroyed by fire Nov. 20th. The planing mill, the loss on which was about \$2,500, was operated by Mr. W. H. Sparling. The loss on the fanning mill factory was about \$1,000.

MR. WILSON, of Pugwash, has forwarded a second shipment of butter to Hamburg, Germany, by steamer *Damara*, which sailed recently. The butter is packed in oak casks, each holding from 300 to 350 pounds. Such a venture evidences a large amount of enterprise and deserves to succeed.—Moncton, N.B., *Times*.

THE manager of the Wellesley flax mill has finished housing the flax crops of that neighborhood. There is a good winter's work in prospect for the flax mill hands. Mr. Albrecht, of New Hamburg, has been engaged as foreman of the knitting department, in place of Mr. Roeder, who has moved to Milverton.—Waterloo, Que., *Chronicle*.

THE Barnum Wire and Iron Works have received an order from Toronto Board of Trade for iron railings, etc., to the value of \$2,500. Also other orders from Toronto. They have completed their contract for the Royal Insurance Company's buildings of Montreal; and it is considered the finest work of its kind in Canada.—Walker-ville, Ont., *Mercury*.

AFTER a tedious delay caused by a lawsuit with the insurance company, in which Mr. W. J. Robinson came out victorious, operations have been resumed by the Robinson Wool Mat Company. The old Gorham Woolen mills have been leased for a term of years, and changes are now being made to meet the requirements of the business.—Newmarket, Ont., *Era*.

THE Farbenfabriken, vorm Friedr Bayer & Co., Elberfeld, Germany, who have given the Dominion Dyewood & Chemical Co., Toronto, the Sole Agency in Canada for their Anilines and Alizarines and have given them the sole control of their well known Pharmaceutical drugs, "Phenacetine-Bayer," "Sulfonal-Bayer" and Aristol to supply the Wholesale Drug trade.

PROSPECTORS in the mountains along the North Thompson river, B.C., have located a ledge of mica which shows forty feet wide and fifty feet high on the side of a mountain. Some samples taken to Victoria, B.C., were very fine, the largest of which was 10x8 inches and exceedingly clear. Some cubes were exposed showing about twenty-four inches clear, and which split readily to any thickness.

THE Menasha Wood Split Pulley Company, of Menasha, Wis., have recently received orders for their Hickory Pulleys from Hartman & Pulfer Trunk Co., of Racine, Wis., have placed their order with M.W.S.P. Co., for their full outfit of pulleys for new factory; Chatfield & Woods' Paper Co., Cincinnati, cone pulleys; Neenah Wall Paper Co., cone pulleys; Gerry Lumber Co., Eagle River, Wisconsin.

THE primary battery has been applied to the propulsion of invalid chairs in England. A strong chair, weighing about two cwt., is fitted with a battery at the back of the seat, and can be speeded up to about five miles an hour. As it is calculated that the cost of maintenance of the battery does not exceed four cents per hour, and as no renewal would be required during an ordinary day's use, the economy of this mode of propulsion for invalids is apparent.

THE Dominion Office Supply Company, of Windsor, Ont., are making a specialty of the "Rival" letter file cabinet manufactured by them, and for which they claim many valuable features not possessed by other cabinets. Each cabinet is a combination of smaller letter files, systematically arranged as one large subdivided file, each separate filing tray being provided with a subdivision label to denote its contents, and containing an index, by the aid of which the papers belonging to each particular tray are again subdivided and separated, thus classifying all papers into small alphabetical groups. These cabinets are made in different woods as desired, and are guaranteed to be perfect in construction and to give entire satisfaction.

THE Jenckes Machine Company, who already have a large establishment at Sherbrooke, Que., are asking the authorities of that town to assist them in the erection of additional works by the exemption of their plant from municipal taxation for twenty-five years and a loan of \$50,000. They state that they are already largely engaged in the manufacture of mining machinery, outfits of which they have sent to Sudbury, Ont., to British Columbia and to Cape Breton; and that there is an increasing demand for such machinery in nearly all parts of Canada. They propose to erect a large machine shop, a large foundry, a boiler shop and a pattern shop, equipping the same with all modern improved machinery and appliances.

MR. D. S. McDONALD, of McDonald Bros., Glendyer, has just returned from an extended trip through the New England States and the Upper Provinces. He has visited many of the woollen mills on his route, and made a study of the various improvements in woollen manufacturing, and to carry out some of these improvements at home they have had made to order, besides some minor pieces of machinery, three hundred spindle mules and a broad loom. By this addition to their plant they expect to increase their output by fifty per cent., and at the same time be able to supply the growing demand for home-manufactured blankets. This lot of machinery will be the best of its kind in the Maritime Provinces. It is expected to have it in operation before the end of November.—North Sydney (N.S.) *Herald*.

THE Excelsior Boiler Cleaner and Lubricant Manufacturing Company, Toronto, inform us that they are meeting with a large demand for their boiler cleanser. This article is a chemical preparation which the company guarantee will dissolve and remove old scales, leaving the boiler plate and flues perfectly clean and without injury to the iron; and it will prevent the formation of any new scale and rust, will save fuel and lessen danger of explosion. The company show a list of a large number of steam users who use this cleaner, and to whom are referred those who wish to learn of its value. Included in this list are the names of many parties in Toronto, Montreal, Hamilton and other manufacturing centres. The office of the company is at 42 Victoria Street. Mr. Thomas Harris, manager.

AN improved means for cleaning files, which is claimed to restore them to the condition of new files, is described as follows: After being cleaned and wetted, the files are dipped between two carbons into acidified water and the circuit of an electric current is established between two carbons and the file by means of a piece of metal serving as a support to the file, by which the latter is suspended. The water is then decomposed by the current, the oxygen acting upon the cuttings of the file, while the hydrogen bubbles settle in the teeth and protect them against the action of the acidified water. After immersion for a few minutes the file is withdrawn and brushed in clear water to remove the oxide of iron, and then replaced in the bath. When the cuttings are entirely cleared the file should be immersed in an alkaline bath to remove all traces of the acid, then dried and brushed.

THE manner in which celluloid is made is as follows: A huge roll of paper is unwound slowly, and while unwinding is saturated with a mixture of five parts of sulphuric and two parts of nitric acid, which is carefully sprayed upon the paper. The effect of this bath is to change the cellulose in the paper into pyroxyline. The next process is the expelling of the excess of acid in the paper by pressure and its washing with plenty of water. It is then reduced to a pulp and bleached, after which it is strained and then mixed with from twenty to forty per cent. of its weight in water. Then follows another mixing and grinding, after which the pulp is spread in thin sheets, which are put under enormous hydraulic pressure and squeezed until it is as dry as tinder. These sheets are then put between heated rollers and come out in quite elastic strips, which are worked up into the various forms in which celluloid is made.

A FEW months ago the Mimico Real Estate Security Company, of Toronto, was organized to develop the proposed new manufacturing town of Mimico, a few miles west of this city, and situated on the border of Lake Ontario. It was arranged to build nine large factories for different purposes. Four of these have been completed and were formally put in operation this week. These are those of the J. F. Pease Furnace Co.; James Morrison, manufacturer of copper, brass and silver-plated goods; Thomas Macdonald, tinwork and stamping machines; and the Interior Decorating Co. The Security Co. are pushing to completion the spur from the main line of the Grand Trunk to the Lake Shore-road, half mile distance while the electric railway between the city and Long Branch will be carrying both passengers and freight, it is anticipated, next fall. Ground is broken for the Ontario Steel Sink and Range Boiler Stamping Manufacturing Co.