

THE Kootenay River and Transportation Company has a steamer well under construction at Jennings, B. C., for the Fort Steele trade on the Kootenay. She will be 150 feet over all, 30 feet beam, tonnage 250. Her cylinders are 12 inches in diameter, 12-foot stroke. There will be 22 staterooms, electric lights, searchlight, etc.

THE work on the new steamer now building at the shipyard, at Belfast, Ireland, for the service between Liverpool and America for the Dominion Line, is progressing favorably, and the ship will be delivered at Liverpool on April 1. The Dominion Line have decided to name the new steamer "New England" instead of "Dominion," as was at first intended. The "New England" will be 50 feet longer than the "Canada," three feet wider beam and two feet more depth of hold. She will carry a cargo of about 15,000 tons measurement. She will have more passenger accommodations than the "Canada," the first cabin staterooms being more spacious and somewhat of an improvement in the way of furnishings and decorations.

A NEW town site is being surveyed on the shores of Lake Winnipegosis, where the Dauphin Railway will terminate.

H. CORBY, of Belleville, is lighting his distillery and warehouses with electricity, and has placed his order for the dynamo, etc., with the Royal Electric Co.

THE Jenckes Machine Co., Sherbrooke, shipped recently one of its heavy 50-h.p. slide-valve engines, with standard steel tubular boiler, to Desire Thibault, East Hereford, Que.

D. CHAMPOUX & BRO., Disraeli, are installing an electric lighting plant, and have purchased for this purpose a 30-inch Crocker Turbine from the Jenckes Machine Co., of Sherbrooke, Que.

THE Ottawa lumbermen have been notified by the Minister of Marine and Fisheries that the law forbidding the dumping of sawdust into rivers will be enforced at Ottawa after July 1st.

THE power station for the Sherbrooke Street Railway, at Sherbrooke, Que., is rapidly nearing completion, and the turbine plant being installed by the Jenckes Machine Co. is also about completed.

THE Chicoutimi Pulp Co. is adding another 40 inch Crocker turbine, arranged to work under 70 foot head, which is being supplied by the Jenckes Machine Co., Sherbrooke, making the fourth of these wheels supplied.

THE dam at Magog, Que., for the civic electric light plant is completed, and the 55 inch Crocker water wheel, which is being furnished by the Jenckes Machine Co., Sherbrooke, is expected to be installed now within a short time.

THE screens and wet presses furnished by the Jenckes Machine Company, Sherbrooke, are now arriving at the Morgan Falls mills of the Acadia Pulp and Paper Co., and the whole plant is expected to be in operation within a short time.

THE Dominion Paper Co., which is extending and enlarging its mills at Kingsey Falls, have placed an order with the Jenckes Machine Co., Sherbrooke, for two of their 30-inch Crocker special turbine wheels. These wheels are mounted on one shaft, set horizontally in a steel case, thus doing away with gearing and attendant evils.

WATER was turned into the flume at the factory of the Boston Rubber Co. at St Jerome on the 25th ult. The steel flume, which is 350 feet long, 6 feet in diameter, was furnished complete, including a 55-inch Crocker wheel, by the Jenckes Machine Co., Sherbrooke, Que.

THE Shawenegan Falls on the St Maurice, have been sold at auction for \$50,100 by the Quebec Government, Sept 9th, to D Russell, Montreal, representing a syndicate which will produce calcium carbide. Within 18 months \$4,000,000 will be expended in development. The power reverts to the Government on failure to fulfil these conditions.

WM. WATSON, Toronto, recently visited the Penetanguishene Hotel at Penetang, and made a thorough inspection of the sewage disposal works. Mr. Watson reported the plant as of admirable design and construction, and only requiring careful operation to make it a complete success.

MARSH & HENTON, who succeeded to the business of the G. & J. Brown Mfg. Co. of Belleville, have been very successful since they took over the establishment last summer. They have made 20 lumber cars for Gilmour & Co's yards at Canoe Lake, Ont., and 15 cars for the Soulanges Canal. They have supplied four steam hoists to Wm. Gibson, contractor, two for the quarries and two for work on the Victoria Bridge, Montreal. The quality of their work has been very favorably commented on.

"MINERAL Wealth of Canada," by Arthur B. Willmott, Professor of Natural Science in Macmaster University, has just been issued from the press of Wm. Briggs, publisher, Toronto. It is a guide to the study of the economic geology of Canada. The ordinary student of

the mineral deposits of Canada has not the opportunity of digesting the contents of the reports of the Geological Survey, but this work of 201 pages contains in a small compass the main facts conveniently arranged and in language as plain as can be employed. One good feature is that not only is each mineral found in Canada described, as it were, in a "character sketch," but an account is given of the uses to which it is put, and where it is found in Canada, as far as known. A list of authorities on each topic is given for the convenience of those who wish to follow up the subject more fully. The topics treated of are iron, manganese, chromium, nickel, cobalt, copper, sulphur, gold, platinum, silver, lead, zinc, arsenic, antimony, tin, aluminum, mercury, salt, gypsum, barite, apatite, mica, asbestos, actinolite, talc, peat, coal, graphite, petroleum, asphalt, albertite, anthroxalite, granite, sandstone, clay, slate, limestone, marble, lithographic stone, cement, fertilizers, etc. Recent statistics of production are given in most cases.

THE most interesting catalogue on acetylene gas generation yet issued is that of the Niagara Falls Acetylene Gas Machine Company of Niagara Falls, Ont. Besides a description of the method of manipulating the machine, it gives a variety of useful notes and statistics relating to the properties of acetylene as an illuminant. Those interested in the subject will find many valuable points in this catalogue, which will be mailed free on application.

IN the June issue of THE CANADIAN ENGINEER a selected paragraph appeared which gave the error recently established in the longitude of Montreal incorrectly. We append the correct figures, as contained in Prof. McLeod's report: "The final value of the longitude of Montreal (the middle point between the two piers of the transit instruments at this observatory), as determined from the observations of Professors H. H. Turner and C. H. McLeod in 1892, is 4 hours, 54 minutes, 18.67 seconds. This quantity is in excess of the old value, which was obtained by connection with the United States system of longitude, by 0.105 of a second. The determinations upon which the American longitudes have hitherto rested were made by the United States Coast and Geodetic Survey in 1866, 1870 and 1872. When it is considered that the cable signals were then sent by the old flash system, and that the longitude operations, as conducted by the Americans, did not include an interchange of observers, the accordance of the old value with that above announced is quite within the limits of error, which might properly have been assigned to the former."

A VERY interesting experiment with asbestos plaster took place recently, at Washington, in the northwest court of the United States Treasury Department building. It was a practical demonstration of the merits of this plaster for the benefit of the officials of the Supervising Architect's Office. Those present were Mr. Fouche, chief computer, Mr. Raymond, in charge of testing and experimental work, Mr. Adams, chief of the heating and ventilating department, and Chief Engineer Watts. In the court was placed a structure representing a miniature house, the roof of which was about four feet high, the interior being plastered with "asbestos," the name by which this new wall plaster is known. Around the structure were piled kindling wood, shavings and paper enough to make a bon-fire to celebrate a great political victory. After being ignited, the light structure was immediately enveloped in flames, which burned fiercely and furiously, but to no avail, as they had found a master. After being subjected to the fire for half an hour an important test was made. A stream of water, through a one and a-half inch nozzle, was poured on the plaster attached to the sides and roof without any effect. The plaster did not drop or crack, but was intact, demonstrating conclusively that it was fire-proof and far superior, in every way, to any plaster now on the market. Asbestos is manufactured by the H. W. Johns Manufacturing Company of New York.

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