



NEW BRUNSWICK'S NEW LIEUTENANT-GOVERNOR AND HIS ADVISORS.

Major-General Hugh Havelock McLean, Lieutenant-Governor of New Brunswick, surrounded by members of the Provincial Government while they were being sworn in as Members of the Executive Council immediately after he had assumed office. Left to right: Hon. Lewis Smith, Minister of Agriculture; Hon. A. J. Leger, Provincial Secretary-Treasurer; Hon. E. A. Relly, Chairman N. Brunswick Electric Power Commission; Hon. L. P. D. Tilley, President of the Executive Council; R. S. Barker, Official Secretary; Major-General H. H. McLean, Lieutenant-Governor; Major E. J. Lounsbury, A.D.C.; Hon. J. B. M. Baxter, Premier; Hon. C. D. Richards, Minister of Lands and Mines; M. B. Dixon, Clerk of the Executive Council; and Hon. D. A. Stewart, Minister of Public Works.

POWER DEVELOPMENT IN N. B. IS MAKING GREAT HEADWAY GRAND FALLS NOW HARNESSSED

(By J. D. Black, Director of New Brunswick Government Bureau of Provincial Information and Tourist Travel.)

The outstanding industrial event in 1928 in New Brunswick has been the completion of the harnessing of Grand Falls on the Saint John river and the turning on of power there at the largest hydro-electric development in the Maritime Provinces.

Unusual importance attaches to this event because the Grand Falls development is the key factor in the carrying out of the \$40,000,000 program for pulp and paper and power industrial expansion in New Brunswick, involving the building of pulp and paper plants on the Restigouche, Upper Saint John and Miramichi rivers.

International Paper Company, Fraser Companies Limited and Bathurst Power & Paper Company Limited and their subsidiaries, embracing most of the most powerful interests in the pulp and paper and power industries, are all pledged to certain expansion programs in New Brunswick and these are now underway. International Paper Company have commenced construction of a pulp and newsprint plant at Dalhousie which it has been stated will involve an ultimate expenditure of \$15,000,000; they have selected a site for a pulp mill on the Miramichi and they are said to have taken preliminary steps towards another plant on the upper Saint John river. Fraser Companies have completed a new mill and extensions of plant at Edmundston, they have commenced construction of a pulp mill near Campbellton and they are committed to having a pulp mill on the Miramichi. Bathurst Power & Paper Company are to double the output on their present newsprint mill, the only newsprint plant now operating in the Maritime Provinces, and they are undertaking a new power project on the Nepisiguit river, as well.

Grand Falls Power.

Without the Grand Falls power development this pulp and paper mills construction and operation program would have been impossible, for power from Grand Falls will operate the plants on the upper Saint John river and will be carried by a transmission line 125 miles to the plants at the mouth of the Restigouche river on Bay Chaleur. At the same time development of Grand Falls did not seem feasible unless the project could go hand in hand with a program of expansion of the pulp and paper industry. So the two had to be worked out together and this has finally become an accomplished reality which is expected to bring about the greatest industrial activity New Brunswick has ever known.

Power Turned On.

Undertakings in connection with the development of Grand Falls on the Saint John river called for the hydro-electric plant there to be ready for operation by October 1st, 1928, on which date the Saint John River Power Company, the subsidiary of International Paper Company carrying out the development and operation of the power plant, contracted to supply 20,000 horse power to the Fraser Companies Limited for their pulp and paper plants at Edmundston.

Following tests in the presence of a group of prominent engineers on Sunday, September 30th, when the first of four units of 20,000 horse power began the output of energy, and power was officially turned on at the development by His Excellency, Lord Willington, Governor-General of Canada, following an inspection of the powerhouse, the dams and the other works and thereafter the plant stood ready to deliver, as required, energy to the extent of 20,000 horse power to the Fraser Companies.

With Lord Willington when he turned on the motor of the first units under the impulse of the waters freed from the great works about the Grand Falls, was Honourable John B. M. Baxter, Premier of New Brunswick, who set off the charge of dynamite which marked the commencement of the development operations at Grand Falls on August 10th, 1926, since which modern engineering and construction methods have combined to produce the largest hydro-electric development in the Maritime Provinces.

Three Units.

Designed for four generators of 20,000 horse power each, the powerhouse is having an initial installation of three units. One of the outstanding features of the development is the pressure tunnel, which is the largest in Canada; excavated through solid rock under the town of Grand Falls, connecting the intake a short distance above the main dam which has been constructed across the Saint John River just above the peak of the cataract, to the powerhouse, which is located at the lower basin, the tunnel is 2,755 feet long and 24½ feet in diameter, being lined throughout with concrete. A. H. Tweedie, a son of the late Honourable L. J. Tweedie, who was for some time Premier and later Lieutenant Governor of New Brunswick, has been installed as superintendent of this newest addition to the hydro-electric plants operated in Canada by International Paper Company interests, and which was designed and constructed under the supervision of Dr. H. G. Acres, of Niagara Falls, consulting engineer.

Pulp and Paper Projects.

Shortly before power was turned on for the first time at Grand Falls International Paper Company, through their subsidiary New Brunswick International Paper Company, commenced construction of a newsprint plant at Dalhousie on Chaleur Bay on the North Shore of the Province. Of the best construction that modern engineering skill can devise, this plant will be designed for an ultimate daily capacity of 500 tons, and will have an initial installation of two machines with a daily capacity of 250 tons of newsprint paper. There will be complete groundwood and sulphite pulpmaking departments at the plant at Dalhousie so that wood will be carried through all the various manufacturing processes, leaving as newsprint paper. As the mill will be located on tide water, ocean going vessels can go directly to the mill docks, and raw materials can be sent in and paper shipped out by water about eight months of the year. Power to operate the Dal-

housie mill will be supplied from the Grand Falls hydro-electric development, a high tension transmission line about 125 miles long connecting the powerhouse with the mill. As a reserve from which to draw the pulpwood required by their Dalhousie plant, International Paper Company have assembled 2,362 square miles of timber land, an area slightly in excess of that of the whole province of Prince Edward Island.

A Miramichi Mill.

International Paper Company have made known their intention to build a mill on the Miramichi, for which a site at Chatham has already been secured. This plant will probably have a daily capacity of 100 tons of bleached sulphite pulp. Tributary to this mill the company has at present timber land reserves of about 1,201 square miles. Some preliminary steps have also been taken by International Paper Company which are viewed as meaning early construction of a pulp mill on the New Brunswick side of the Saint John River at St. Leonard, about thirteen miles above the Grand Falls where pulp will be manufactured and be conveyed across the Saint John river, which forms the international boundary line at that point, to a paper manufacturing plant at Van Buren on the Maine side of the Saint John river. If this project is carried out, purchase of several million acres of granted timber land in New Brunswick which are privately owned, will also be closed by International Paper Company interests. The plan of carrying manufactured pulp from one side of the Saint John river to the other, where it forms the international boundary, has been in practical operation at the Fraser Companies' plants at Edmundston, N. B., and Madawaska, Maine, for some time.

These several enterprises reflect a carefully co-ordinated plan on the part of International Paper Company for development in New Brunswick, utilizing the water power resources for the manufacture of forest products, and thus providing profitable employment within the Province. They have been planned and are being built for permanence, and should, therefore, contribute materially to the continuing prosperity of New Brunswick.

The Fraser Companies, Limited, who became the first customer to receive commercial power from Grand Falls, have contracted to use 20,000 horse power for their mills at Edmundston, which have recently been added to and expanded, and for a new sulphite pulp mill which is to be erected at Athol, near Campbellton, on Chaleur Bay, and which can be served by the same transmission line which will carry power from Grand Falls to the International Paper Company's new newsprint mill at Dalhousie. Actual operations on the construction of the Fraser Companies' new pulp mill at Athol were commenced this fall, and the new plant is to be in operation before the end of 1929. The Fraser Companies expansion plans in New Brunswick also include a proposed new pulp mill on the Miramichi.

The Bathurst Power and Paper Company's expansion plans have been delayed for some time through a controversy between the company and the town and school authorities in respect to assessment and taxation matters. Recently a settlement of the difficulties between the company and the town and school authorities was effected, and immediately the company took steps to bring about the long proposed increase in the capacity of their

newsprint mill. The new paper machine, which had arrived from the manufacturers months before and had since been stored without being erected, is now being placed in position and will be in operation as soon as workmen can complete the task of installation, thus doubling the capacity of the plant.

It is expected that Bathurst Power & Paper Company will also commence construction on their new power development on the Nepisiguit river, as included in the elaborate expansion plans which the present owners announced their intention of carrying out after they had acquired ownership from the previous controlling interests.

2 THIN STRIPS OF LAND DELAY BIG BUILDING

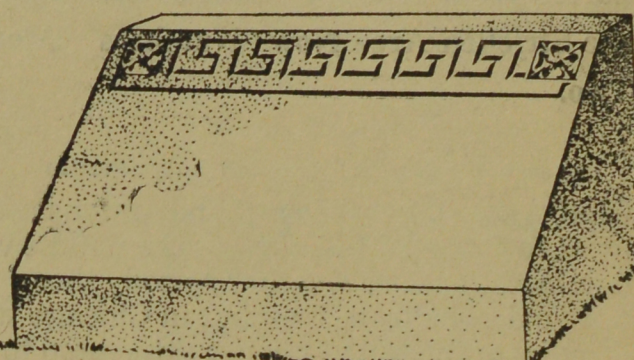
New York, Jan. 7.—Two strips of land, one less than 13 inches wide and the other 14 inches wide, are blocking the construction of a \$2,500,000 building. They were omitted from the records on a deed because of a surveyor's error 128 years ago. While courts are deciding the matter the steel framework of the proposed building, which was bought months ago, is in storage.

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