

**EDDY'S ENTERPRISE.**

Since last November, building operations have been carried on with great energy at Mr. E. B. Eddy's mills in Hull, but till very recently the whole plan of buildings had not been decided on. Hearing that the plan for all the establishments had been settled, a FREE PRESS reporter went over there yesterday and got the full particulars about every establishment. As is well known, the match and pail factories are in the same buildings as before the fire, with some improvements made since then. With the match factory Mr. Eddy says that he can supply three Dominions, and glut the market too. The building now occupied as a machine shop will be occupied by the pail factory and the machine shop transferred to the building just west of that now occupied as a planing mill, which is 50 by 60 feet. As has been stated before, the new large mill is 120 by 140 feet, and is fitted up with two slabbers, two gangs, twin circular, two splitters, three edgers and three butting tables. The water power used in this mill is 1,300 horse power, and the capacity is 250,000 feet every 12 hours. In arrangement this is the most complete mill in every way in the world, the logs entering the mill being turned out graded and sized, and all the old pieces are turned to the best advantage, and sent by shoots to the proper places, where they are carted away. Not a cart of any kind enters the mill, all lumber being carried out by a perfect system of rollers. Mr. Eddy is having a system of waterworks arranged by which the whole mill can be flooded by the chief watchman, if necessary, in three minutes. There are now five very powerful fire pumps, run by water, and with these, the premises always being well watched, it seems impossible for a fire to gain any headway. Immediately north of the large mill, the planing mill and the box shop have been under way for some time, and are so far advanced that it is thought they will be ready for occupation in two weeks. This building, as all the others, is of stone, and is 185 feet in length by 60 in width, two storeys in height and covered by an arched roof which has not a pillar to support it, the immense arched trusses resting on the wall being all that hold it. On the south side the building is three storeys high, and well lighted in the lower one, a flume being on the north. The small mill to the south of the large one is 60 by 70 feet, and will be used for filing and splitting. The blacksmith's shop will remain in the building where it now is, which was constructed specially for the purpose. The foundry will be where the planing mill now is. At the west end of the machine shop is the office, under the same roof and on the site of the old office. It will be entered from Maine street and be 24 feet front by 74 deep. In this is a brick covered vault, seven by nine feet and about twelve high; the inside of which is of half inch boiler plate iron. There will be double doors with fire and burglar proof combination locks. The vault is on a solid foundation of stone built up from the solid rock, and will be able to withstand any heat it might be subjected to. In rear of the office is a long fire proof heater, by which the office, machine shops, and store room 110 by 60 feet above both will be heated. The store room will be used for storing the goods made by the firm. The office building, as before indicated, is two storeys in height, and will be surmounted by a mansard roof. The power used by the various departments besides the mills, is as follows; Wooden mill, 350 horse power; machine, 100; match factory, 100; box shop, 200; pail factory, 100, and small stone mill about 100. The capacity of the small wooden mill is 150,000 feet per day. With the immense establishments already erected, one would imagine there was nothing wanting, but Mr Eddy thinks differently and will commence shortly the erection of a sash, door and blind factory, 60 by 60 feet, two storeys high, at the south west corner of Bridge and Maine streets, or just the blacksmith shops.

All the above buildings are, or will be, covered by arched roofs of galvanized iron, which is more lasting, strong and better able to resist the fire than any other known. The buildings will all likely be finished by fall and will then present a great contrast, as Mr. Eddy said, to the appearance of their site on the 3rd of November last.—*Ottawa Free Press.*

**FIRE AT RAT PORTAGE.**

RAT PORTAGE, Ont., Aug. 20.—The new mill of the Rainy Lake Lumber Company was entirely destroyed by fire early this morning. Whether the result of accident or design cannot now be determined, but circumstances point to incendiarianism as the cause. The watchman about three in the morning noticed fire in the conveyor for carrying the sawdust from the mill to the yards, and says that the fire was in the sawdust at the opening of the conveyor in the well of the boiler-house, and that on going inside he found the roof of the boiler-house in flames, rapidly extending to the mill proper, which in a few minutes became a sheet of fire. He gave the alarm to the foreman and another man who sleeps in the mill, and they had barely time to escape with their lives. The foreman rushed for the cord which blows the whistle, but found it was not there, having apparently been cut off. This gives color to the suspicion of foul play. The hose, which had been thoroughly tested and found efficient the night before, was burnt away, and was useless. No human aid could now avail to save the mill, and in an hour it was burnt to the ground. The morning was calm, and the lumber, which was piled across a swamp at a distance, was saved. It required, however, great exertions later in the day to save it, as a storm came on and the wind was at times like a hurricane. The mill was the finest in the North-West. It had been two months in operation, and was fitted up with most approved American and Canadian machinery. Its capacity was 200,000 feet per day of twenty-four hours. The company had made over 20,000,000 logs, only a small quantity of which had been sawed into lumber. The shareholders are Hugh Sutherland, M. P., Simon J. Dawson, M. P., Wm. Buckingham, John Ross, (contractor) and James Corcoran, Stratford. The loss will be a severe one to them, as the property destroyed is not half covered by insurance, and their operations are at an end for the season. The companies who carried the risk are Imperial, Commercial Union, London, Liverpool, London & Globe, Citizens', Phoenix, of London, Queen's, Western, and British America, each \$2,000; the Phoenix of Brooklyn and Northern each \$4,000; City of London, \$6,000. Total \$30,000. The occurrence is a severe blow to this place, as it stops the principal industry in Rat Portage. It throws out of employment from one hundred to two hundred men.

**REVIEWS.**

FORESTRY.—We have before us the August number of *Forestry*, a monthly magazine edited by Mr. F. G. Heath and published by Wm. Rider & Son, 14 Bartholomew Close, London, England. One of the contributions is by Mr. Wm. Little, of Montreal, on the subject of "The Alarming destruction of American Forests." There are many other papers on forest lore, one of the most valuable and interesting being that on "Re-afforesting of Ireland." It is a periodical that should be read by all who take an interest in forestry.

**RAFTS ARRIVED.**

The *Chronicle* gives the following list of rafts, etc., arrived at Quebec:—  
 AUG 9.—Jos. Bolduc, deals, Bay St. Lawrence and Beauce.  
 E. C. Baker, timber, Woodfield Cove.  
 A. & J. White, white pine, etc., St. Lawrence Docks.  
 Parley & Pattee, white pine, etc., Hadlow Cove.  
 R. & A. Conroy, white pine, etc., Cap Rouge.  
 A. & J. White, white pine, etc., St. Lawrence Docks.  
 J. & G. Bryson, white pine, etc., Cap Rouge.

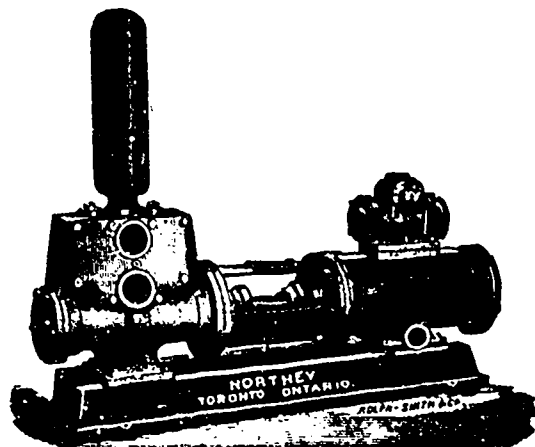
**Ancient Circular Saws.**

That the hard basalt and granite, used in Egyptian buildings of some 4,000 years ago, were cut by circular saws of some sort, is proved by recently examined specimens with the tool marks fresh upon them. The circular marks are as distinct on these imperishable stones as on a fresh pine plank. The proof of the existence of ancient circulars is curious, for that form of saw has been believed to be of modern invention. *The Wood-Worker.*

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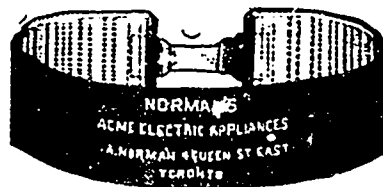
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