

steady flow to storage tanks in the machine room. In the machine room there are eighteen 84-inch wet machines. The pulp flows in at one end of these in the consistency of milk, though the color is of a creamy shade, and re-appears at the other end in sheet form. These sheets are piled on iron trucks with wire mats between each sheet.

When the truck has been piled up to the height of several feet, it is rolled into one of the hydraulic presses, a pressure amounting to 450 tons being there applied. After the exertion of this pressure 58 per cent. of the pulp is dry. The pulp is then conveyed by means of an elevator to the upper level, where it is loaded into cars for shipment.

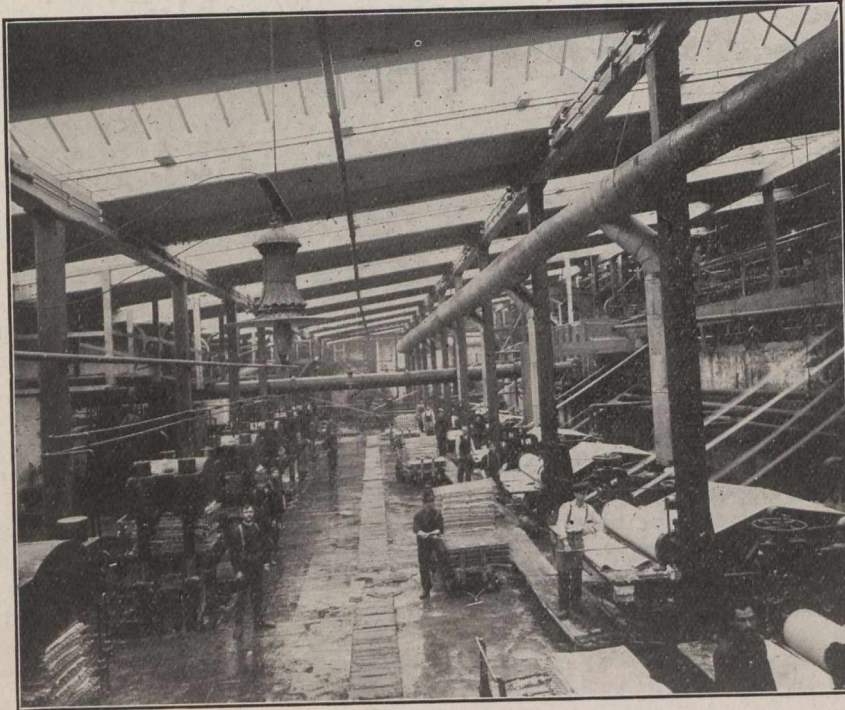
The pumping station contains two turbine water pumps, possessing a capacity of 6,000 gallons per minute. These pumps are used for supplying the paper plants with water. In addition are two turbine stock pumps, similar in capacity, which are used for pumping the ground woodpulp from the pulp mill on the lower level to the paper mill above. A booster pump is contained in the pumping station, electrically driven, which will be used for fire protection, and there is also a steam pump, to

house has sufficient capacity to filter all the water to be used in both the pulp and paper mills. The water supply taken from the canal runs by gravity. A large freight elevator will be useful in the process of loading the company's output into cars. A storage building has been provided for the chemical pulp, a portion of its basement to be used

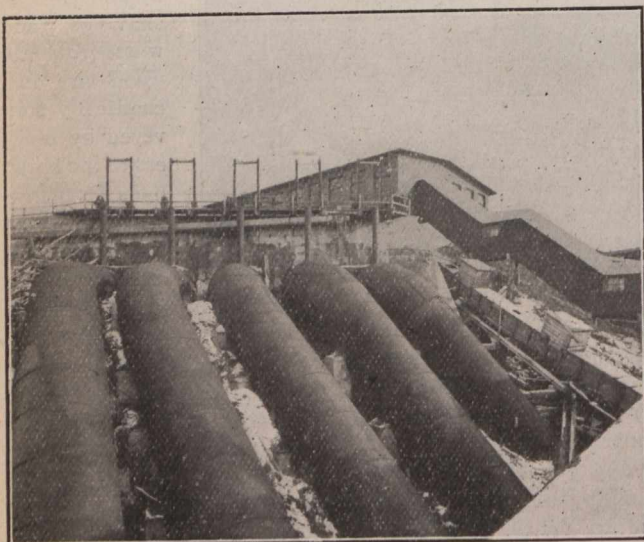
as a machine shop. The building containing the beater room has in its basement two ground wood-pulp slush chests, on top of which are placed machines to abstract the water from the pulp, and to discharge the thick pulp into the chest ready for the beaters. Between the two chests mentioned are electrically driven pumps, which pump the thick pulp to the beaters above, thus eliminating any handling by labor.

In another portion of the building are found round concrete tanks, two of which are used to put the paper stock into and from the beaters, the whole

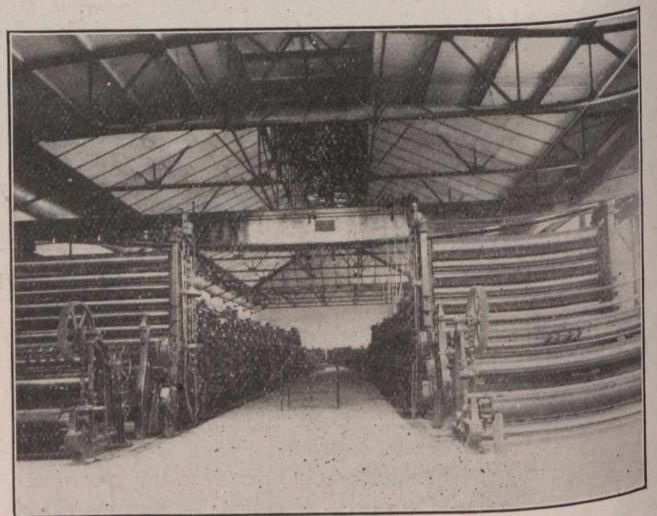
being carried thence to the paper machines. In the basement are located two pumps, used to handle the paper stock from the tanks to the Jordan engines. The eight beating engines are in two units, and each unit is driven separately by a three hundred h.p. motor. On the second story are eight beaters, each of a capacity of one ton, and these



Pulp Mill, Showing Hydraulic Presses at Work.



View Showing Penstocks with Gate Mechanisms Showing Above Dam.



Interior View of Paper Mill, Showing Two Paper Machines Installed.

meet the requirements of the underwriters, with a capacity of 1,500 gallons per minute.

The buildings comprising the new paper mill are all located so as to reduce the cost of manufacture, and the internal fittings are modern and complete. The filtration

are used to prepare the paper stock for the paper machines. The two large Jordan engines which are used to refine the paper stock after it has been prepared by the beaters are directly connected to electric motors.