

## PLANING MILL OF J. R. EATON, ORILLIA.

Among the leading planing mill men and contractors of Ontario may be classed Mr. J. R. Eaton, of Orillia. On the corner of Colborne and Andrew streets is situated his neat two-storey mill. Its dimensions are 58x100 ft., and from it upwards of \$50,000 worth of business is turned out each year by planing and contracting work. On the ground floor is the office and stock room of moulding, etc., taking up the front half. In the rear is the heavy machinery, consisting of a band re-saw, matcher, planer, moulder, self-feed rip saw, buzz planer, cut-off saw, two rip saws, and an automatic saw filer. In a rear annex of 24x24 ft. are the engine and boiler, both of the Goldie & McCulloch make, the former of 30 h.p., and the latter of 60 h.p., which will shortly be replaced by a 50 h.p. engine and a 75 h.p. boiler of the same manufacture. An exhaust fan will be instituted in a short fan for the shavings. Besides the boiler room is a Hoyt & Smith dry kiln of 18x30 ft.

In the front part of the top floor are stored the sashes and doors, the rest of the floor being taken up with the lighter machinery, comprising a moulder, tenoner, mortiser, rip saw, cut-off saw, planer, shaper, panel raiser, blind slat machine, sandpaperer, boring machine, jig saw, band saw, turning lathe, door clamp machine, and a mitring machine.

In the mill an average of thirty men are employed the year round. The premises are lighted by electricity and heated by steam. The yard of over half an acre is constantly full of lumber, and in a shed 250x30 ft. in size is kept the supply lumber. Last year from outside sources 600,000 feet was shipped into the yard, besides 400,000 feet acquired from local manufacturers. Mr. Eaton has been successful in securing many large contracts, his trade extending from Sudbury to Cannington. His enterprise has gone a long way towards building up the town in which he lives.

A new boiler is being put into Wm. Allan's saw mill, Perth, Ont., by the Goldie & McCulloch Co., of Galt.

## AN ADVANTAGE OF THE BAND.

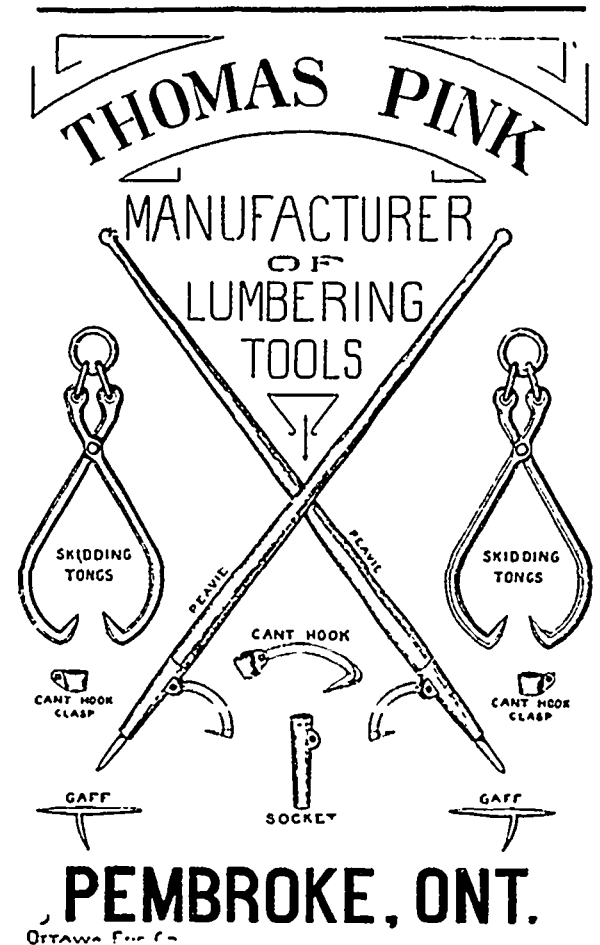
SPEAKING of the growing use of band mills, the Timberman, of Chicago, says: In a certain Southern mill equipped with two band saws, the lumber product overran the log scale 27 per cent. on an average, for the year 1894. But a short distance from this mill is another, cutting precisely similar timber, with circular saws, which, from sixteen million feet of logs, produced but fourteen million feet of lumber, board measure. These comparative results were not repeated in 1895, except for somewhat better management of the circular mill.

Such a contrast is a most startling object-lesson in the value of the band mill. The mill in which the lumber product fell short of the log scale was carelessly conducted; in fact, it was found that one or two sawyers were bent in getting the logs off the carriage as quickly as possible, and had been sending a large amount of stuff to the burner that should have been worked up into lumber. But it is doubtful if even with ordinary careful sawing the lumber scale would have equalled the log scale. But such a difference cannot be accounted for by saving in saw kerf. The average Southern mill, even though it cut particularly with a view to finish and flooring, cannot effect a saving in the kerf alone of over 12½ per cent., if it can average that.

We believe that one of the chief causes for the better results arising from the use of a band mill is the caution and care taken by the sawyers and other mill hands. The ordinary circular is an incentive to waste. Every sawyer is bound on seeing how much he can cut in ten hours, how quickly he can turn his log, get it off the carriage and have a new one in its place; but with a band there is a disposition, just as marked, to get all out of a log that there is in it. The band saw was invented for that purpose, and the purpose is impressed on all who have anything to do with it. Not that a band saw is a slow tool by any means, for its product in ordinary sized logs is nearly that of the circular, and in large

logs is greater, but not so many logs will be put through the mill in the course of a day, and the sawyer feels that he is out of the competition for a saw mill record. He has, therefore, a disposition to make a record for good work, and for the gain he can make over the log scale. There is moral character in the band saw which is infectious, and which constitutes one of its chief advantages.

The cost of timber in China is so great that wooden trestles are out of the question. The railway station houses are all built of light, burned brick, plastered on the outside. The broad platforms are of stone or concrete, filled with earth and cinders.



## Lumbermen's Supplies

We are making a Specialty of Lumbermen's Supplies, and are offering, with other goods, a good Japan Tea, fine draw and make, at 12½ cents. Get a sample of this splendid Tea suitable for the Camp.

H. P. Eckardt & Co.

WHOLESALE GROCERS

TORONTO.

## CAMP SUPPLIES

Being extensive operators in the lumber business, as well as Wholesale Grocers, we are exceptionally well qualified to fill orders for Lumbermen's Supplies.

MAIL ORDERS GIVEN PROMPT ATTENTION.

DAVIDSON & HAY

Wholesale Grocers

TORONTO

# OAK TANNED BELTING

TORONTO  
20 FRONT STREET EAST  
TELEPHONE 475

THE J.C. Mc LAREN BELTING CO MONTREAL