

BAND RESAWS.

A few months ago a correspondent asked in these columns for some information in regard to 8-inch resaws. I happen to be taking care of just such saws this season in connection with a band log mill, writes J. S. Phillipi, in *The Wood-Worker*. The maximum feed with which the mill is equipped is 4 inches to the revolution of saw. You can figure what feed that is per minute, taking a maximum tooth travel of 8,000 feet and length of saw as 31 feet.

The stock we resaw comes from a band and a circular, generally in planks $2\frac{1}{8}$ inches thick, and runs in widths from 40 inches down. It will be seen from this that with a 4-inch feed each tooth ($1\frac{3}{4}$ -inch space) cuts a little less than 1-50-inch. This, to my notion, is not nearly enough feed on stock, especially from 16-inch down, on which I think my saws would stand up to from 75 to 150 per cent. more.

In regard to the width of lap, etc., of which he inquires, that matter has heretofore been well discussed here. However, in my practice right at the present time on these saws, I

make a lap ranging from 7-16 to $\frac{1}{2}$ -inch, generally nearer the former than the latter. I find old saws here of 17-gage with laps $\frac{3}{4}$ inch wide, which is $\frac{1}{8}$ -inch wider than I make on 14-gage saws. I certainly prefer the narrow lap. The proper size brazing tongs for this gage is about $\frac{5}{8} \times 1$ or $1\frac{1}{8}$ inches.

In regard to his question about the crown in back of saw, there has been quite a change of opinion and practice in the last ten years. If the teachings of filers at that day were unquestionably correct, then such a thing as a double-cutting band would never have been invented, nor could they be a success. Fortunately, band filers and band saw mill men are progressive and not dependent on the traditions of the past.

I can easily recall the time when I was told of a certain filer who put up his saws "straight" (no reference here to the late circular controversy). I was told that his saws went well, and I immediately asked if they might not go better if they had crown in back. But at the present time, the only objection I have to a straight back is this: A single cut-

ting saw that is fitted this way will not be straight any longer after the first run of a few hours. The concave in saw at this time, of course, will be so little that it may not be possible to discover it. But a saw is all the time stretching more on tooth edge than on back, so it is certainly only a matter of a short time until it will be concave or sway-backed. While I can find no good objection to a straight back, the sway or concave back I would not regard as a desirable condition. Therefore, I prefer to fit them with crown back, say about 1-16 inch in 8 or 10 feet. In this condition they can be tensioned several times before they become concave. Furthermore, with the system of work I use, it is quite as easy to fit saws crowning as straight, and as easy to keep the back even.

An American firm has secured a contract to finish red gum block for street paving in England, to the extent of 100,000 square yards. The awarding of so large a contract for American material excited some opposition but in a trial of jarrah, Swedish yellow deal and red gum it developed that the gum lasted five months longer than the others, and was good for two years more of service.

To Purchasing Agents:

GENTLEMEN:

Corner 22nd and Centre Avenue,

CHICAGO, October 12th, 1901.

Preparatory to increasing our manufacturing interests at Vicksburg, Miss., we have decided to close out and wind up a number of our scattered yards in Mississippi and Arkansas. The stock consists of several million feet of all kinds of hardwood lumber, Yellow Pine and Cypress, well seasoned and in good condition for immediate use. We propose to put a price on the above named material that will move it, and make a grade that will be an inducement to the purchaser.

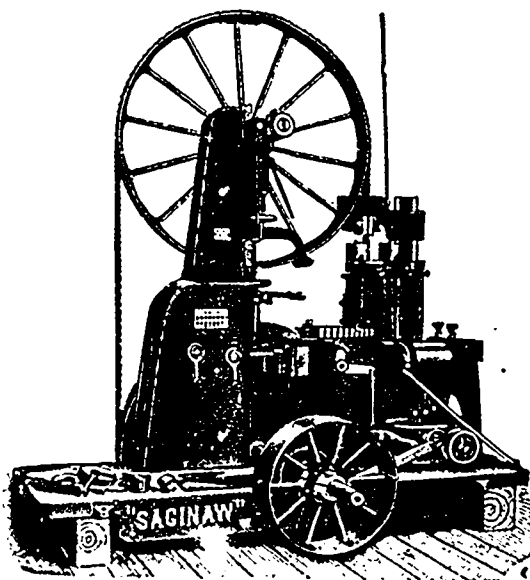
Owing to the rapid wholesale manner in which we move and handle lumber, we do not consider it practicable to issue a stock sheet or make standing quotations, for which reason we solicit your inquiries for any material that you are in the market to buy or will use in the future, and if you will take the time to furnish us the above information, we will make you some interesting quotations.

Respectfully yours,

GEO. T. HOUSTON & CO.,

650

**MERSHON
BAND
RE-SAWS**

In Daily Use

SAGINAW BAND RE-SAW.

Buy Direct and Get the GENUINE.

W. B. Mershon & Co.
Saginaw, Michigan, U. S. A.

Douglas' Egyptian Liniment

*Is the most Powerful and best
preparation on sale.*

We guarantee Egyptian Liniment to be the most powerful Liniment that science has ever formulated. It will reach deeper seated troubles and produce better effect for lameness and unhealthy sores than any other preparation on sale. It contains no grease, its effects are absorbent, alterative and penetrative, will penetrate Muscle, Membrane and Tissue to the Bone and go to the seat of the disease direct.

*Is the only Liniment on sale that will
STOP FLEEDING at ONCE.*

It is the fastest seller on the market. If you have not used it in your Case etc., we have what you want.

*Douglas' Egyptian Liniment
...is it...*

We mean this and will thank you to give us a trial order for one or more Egyptian Liniment upon the following conditions:

Will ship you any amount you may require, and if our Liniment is not better than anything you have heretofore used it can be returned to us with freight charges "both ways" added.

Remember we have a perfect absorbent preparation and the only Liniment that will stop blood at once, cauterize the wound and prevent and cure Blood Poisoning.

Kindly send us a small order.

Endorsed by the largest lumber firms in Canada.

DOUGLAS & CO.

NAPANEE, ONTARIO,

Proprietors and Manufacturers.

CANADA.

Prices upon application. Samples sent free, postage prepaid.
It is a pleasure to forward samples to Lumbermen.