

ZINC WILL PREVENT SCALE.

IT is a well-known fact that zinc slabs suspended in steam boilers prevent the formation of scale, and large quantities are used annually for this purpose. The following directions will enable one to use it successfully. The proportions necessary to insure complete protection are one square foot of zinc to fifty square feet of heating surface in new boilers, which may be diminished after a time to one in seventy-five or even one in one hundred square feet.

Merely placing the zinc in trays, hangers or strips will not insure metallic contact, and the action of zinc to prevent corrosion under such circumstances will be weak and limited. The best method of fixing the zinc is to place

a number of studs in the sides of the furnaces and combustion chambers, and to bolt on to these studs the zinc plates, which should be about 10x6x1 inches. It is important to see that the contact surfaces are clean and bright and the nut screwed close to the zinc to exclude the water and deposits from the contact surfaces, thus comparatively insulating them and preventing the galvanic action. Otherwise the zinc is acted upon as a solvent that renders the water innocuous or non-exciting.

LONG DRIVING BELTS.

A VERY bad habit in mills where there are large driving belts, is shifting belts with a square stick, no regular shifters being used. The result of this is the

belts are more or less injured on the edges. All heavy machines should be shifters to act so that they shift the belt over steadily, not putting too much strain on the driving belt too suddenly. Two pieces of gas pipe just large enough to revolve on round iron supports for shifters will lessen the friction on the edges of heavy belts, as these pipes revolve while the belt is being shifted. It effects a great saving in long driving belts, in fact any belt at all, leather or rubber.

While engaged in felling a tree at Midland, Ont., Charles Taylor, aged 20, met with an accident which resulted in his death. In falling the tree bounded back, the butt pinning him against a fallen log. He lived only two hours.

LUMBERMEN'S SUPPLIES

H. P. Eckardt & Co.

WHOLESALE GROCERS

TORONTO.

A call from buyers when in the city solicited.
Letter orders have careful and prompt attention.

CAMP SUPPLIES

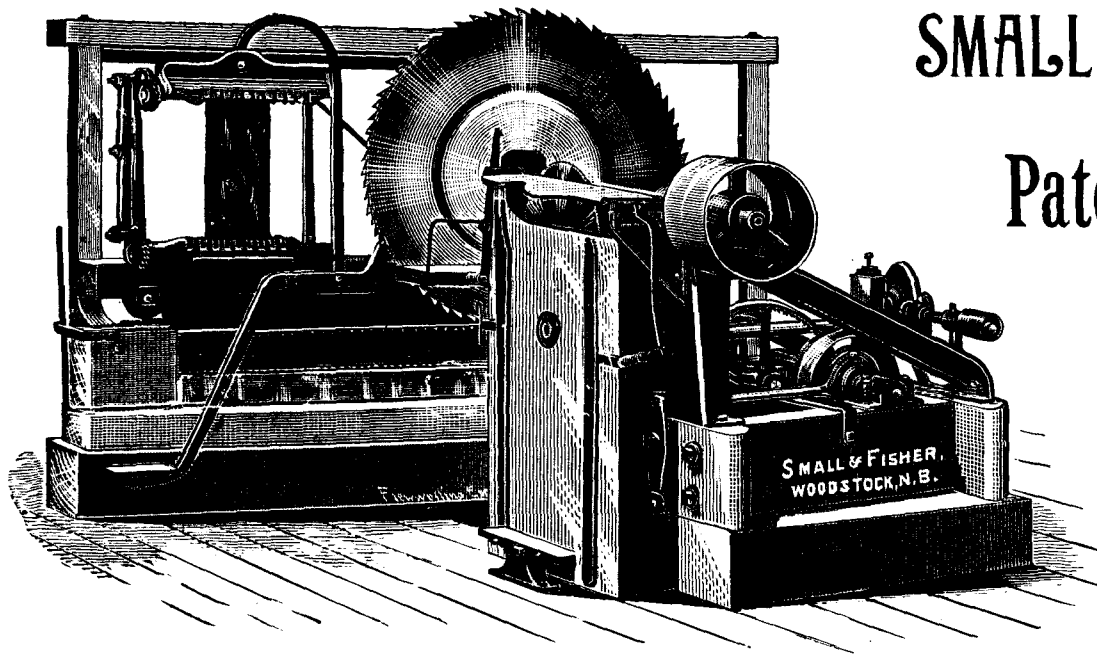
Being extensive operators in the lumber business, as well as Wholesale Grocers, we are exceptionally well qualified to fill orders for Lumbermen's Supplies.

MAIL ORDERS GIVEN PROMPT ATTENTION.

DAVIDSON & HAY
Wholesale Grocers TORONTO

SMALL & FISHER CO., Ltd.
Woodstock, N. B.

Patent Shingle Machine



DRUMMOND, N. B., February 21st, 1895.

SMALL & FISHER CO., Woodstock, N. B.

Gentlemen: Your favor of the 10th received, and in reply would say we have been using your Shingle Machines for the last three seasons and like them very much, and think they are the best machines made, as they are an easy machine for the sawyer to operate and the principle is first-class.

Yours truly, STEVENS LUMBER CO.

ALEXANDRIA, ONT., February 22nd, 1895.

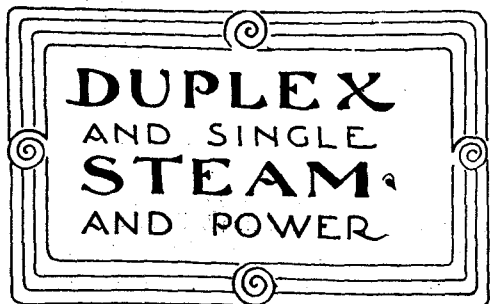
MESSRS. SMALL & FISHER CO., Woodstock, N. B.

Dear Sirs: We have six Small & Fisher machines and have pleasure in saying that they are very satisfactory to us. We are using at present five different makes of Shingle Machines, and none are superior to yours, as you may judge, when we have six of one kind in operation.

Yours truly, McPHERSON & SCHELL.

See description in reading pages of this number of The Lumberman.

Pumps & HYDRAULIC MACHINERY



THE NORTHEY MFG. CO., Ltd.
TORONTO