

# WHY BAND SAWS BREAK

SIXTEEN

REASONS,

AND HOW TO

AVOID THEM



Being instructions to filers on the care of large band saw blades used in the manufacture of lumber.

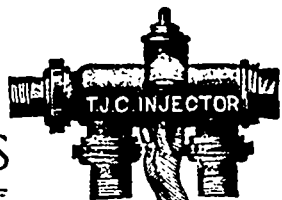
A book filled with valuable information on the care of band saws. Giving the reasons for breaking - analyzing each reason; giving instructions to dispense with the causes as laid down in each reason; and full details on filing and brazing. The proper styles of hammers to use are illustrated and described, and views of blades showing the blows of the different styles of hammers form an important part of the illustrations. Improper and unequal tension are then treated, and the manner of properly setting irregular teeth is described. In connection with the treatise is a history of the invention, manufacture and use of the saw from its origin to the present time. The work in whole makes an accumulation of information such as has never before been published.

The book is printed on fine paper, good clear type, and is handsomely and substantially bound in cloth. It will be sent to any address on receipt of the price, ONE DOLLAR.

Address—

CANADA LUMBERMAN, Toronto, Ont.

## Above all Competitors



COAL is money, why not save it by using the . . .

### T. J. C. INJECTOR

the most economical boiler feeder in the world.

20 per cent.

saved in coal over any other make. Absolutely automatic. Easily attached. Applicable to all kinds of boilers.

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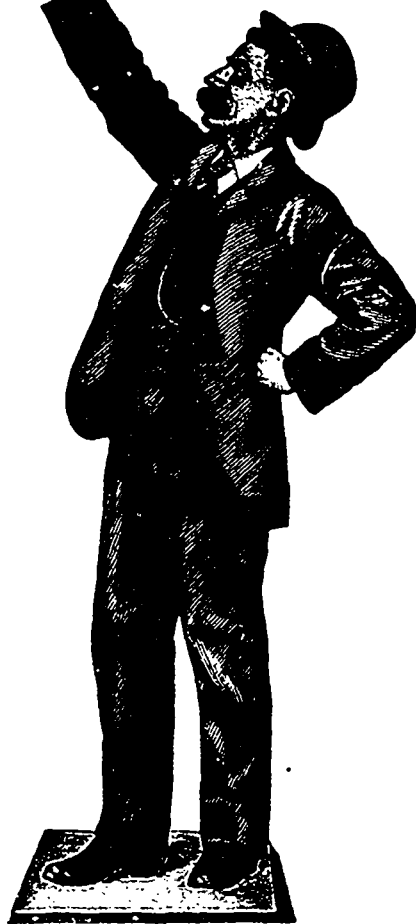
Will outwear any other make and is simple in construction. It is easy to operate, and is the most powerful feeder in the world.

## The T. J. C. Injector

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| 20  | 15 00   | 40 to 72     |
| 25  | 22 50   | 72 to 100    |
| 35  | 30 00   | 100 to 220   |
| 45  | 38 00   | 220 to 300   |

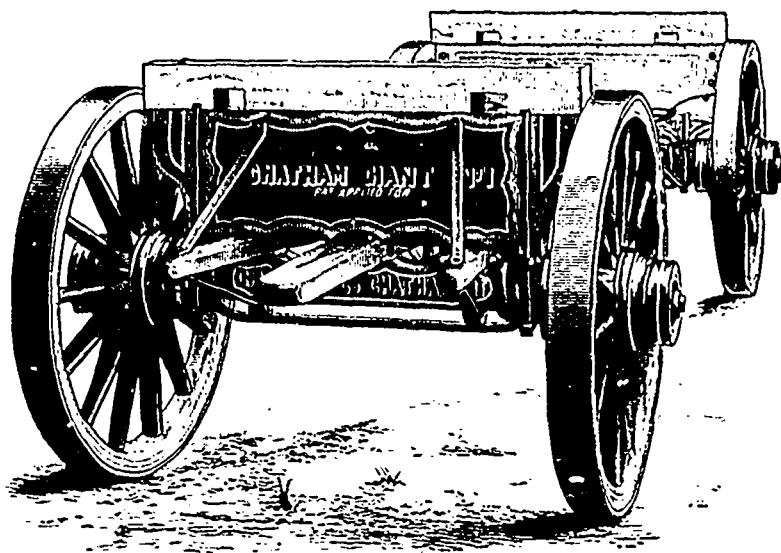


# Hamilton Brass Mfg. Co.

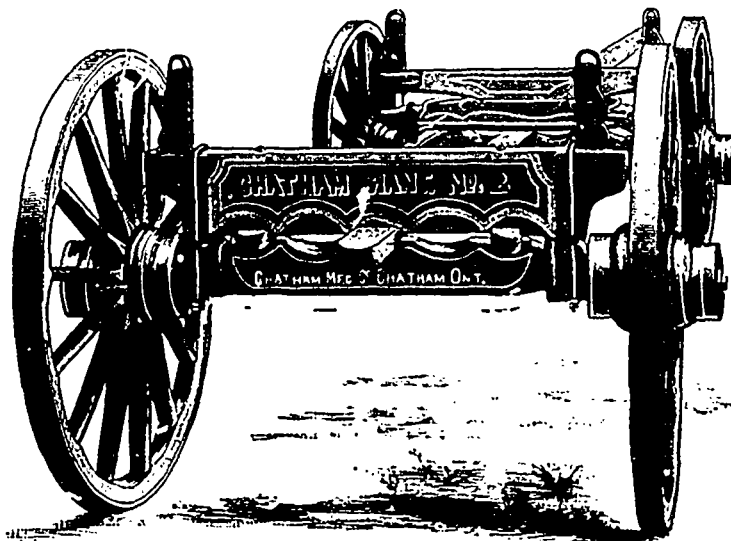
(LIMITED)

HAMILTON, ONT.

# THE CHATHAM GIANT LOG TRUCK

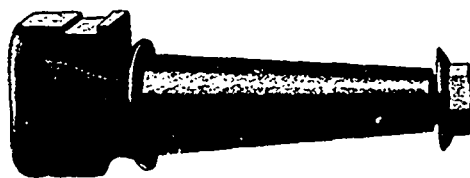


IT must be self-evident that our GIANT ARM LOG TRUCKS, of which the above is a faithful illustration, is the best log truck made; but if conclusive evidence of this is wanted we refer to every mill man and lumberman in the county of Essex, Ont., where millions upon millions of Elm logs are gotten out every year on them, and where these trucks sell readily, while those of other makes remain unsold at \$5 to \$10 less.



### THE CHATHAM GIANT LOG AND LUMBER TRUCK

As seen above it is a Lumber Truck, but it is quickly converted into a Log Truck by bunks which are grooved at the ends to receive the stakes and slip down between them, and are perforated for side or lug poles. We build these trucks in all sizes from 2½ to 4 inch Malleable Giant Arms. Farmers all over are extensively adopting the lighter sizes as general purpose wagons.



In reference to above trucks we would call the attention of the reader to the accompanying illustration of VANALLEN'S PATENT GIANT ARM with which they are equipped.

It will be seen that the hind bolster and sand-board are formed to rest upon the flat top of this arm, and being securely clipped to the axles forms a complete and solid truss and render the axles unbreakable and inflexible.

Our Malleable Giant Arm farm and teaming Wagons have no equals on this continent, of which the judges on vehicles at the World's Fair, Chicago, gave us an unqualified certificate in the shape of a GOLD MEDAL AND DIPLOMA.

CORRESPONDENCE SOLICITED

# The Chatham Mfg. Co., Ltd.

CHATHAM, ONT.