

ST. CATHARINES SAW WORKS!

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MANUFACTURERS OF EVERY DESCRIPTION OF

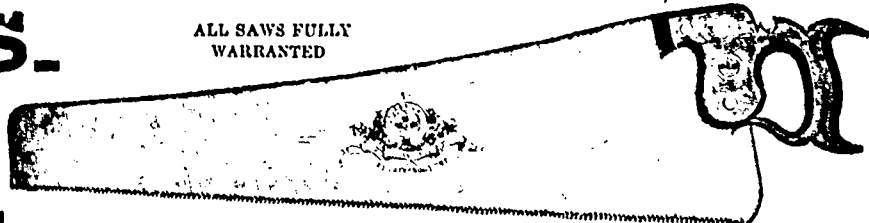
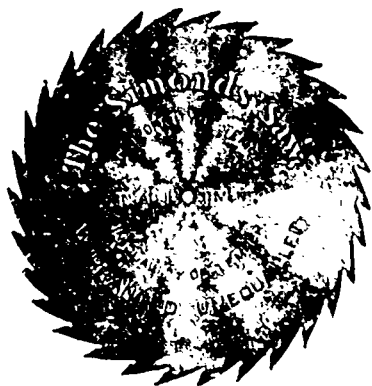
ST. CATHARINES, ONTARIO.

SAWS.

ALL SAWS FULLY
WARRANTEDSole Manufacturers for the Dominion of
Canada of the

"SIMONDS" SAWS.

All Our SAWS are now made under the "SIMONDS" PATENT PROCESS.



Some years ago, when the winter in Quebec was unusually mild, a vessel loaded in April arrived in the docks here early in June, but the beginning of July is about the average time of the pine arrivals.

The cargoes alluded to come at a very opportune time, the present London stocks of yellow pine being lower than ever known. The dock stocks at present consist of first and a few of fourth quality, but at the mills we understand, there is a considerable quantity of 3rds, as well as some of the next lower descriptions. The dock charges are said to be the reason that the lower qualities of pine are held at the mills instead of at the Surry side of the river. With regard to the high priced goods it is not so material, as these latter can better bear the additional expence entailed by being stored at the docks.

Leather Belt Cement.

An ordinary cement for this purpose a wheat flour boiled in oil of turpentine; but the ends must be secured by rivets or it is not reliable. A better cement is made by soaking six ounces best glue in one pint of ale, then boil, add one and a half ounces of boiled linseed oil and stir well. Another prescription is to take dissolved glue in the form as the cabinetmakers use it, and add tannic acid till creamy and rosy. Make the leather surfaces to be united rough, apply the cement hot, let it cool and dry under pressure, and it will not need riveting. For rubber belting take pure rubber in thin slices, two ounces, dissolve in one pound of bisulphide of carbon. This is a good cement, but if kept thickens very soon. In order to prevent this add a solution of pure rubber, resin, and turpentine.

HOW TO RECOGNIZE GOOD TIMBER.

It may be interesting to your readers, says D. G. Loudon, to the *Journal of Progress*, to know that the microscope is of great value in testing the qualities of wood. It is stated that if the microscope condemns the sample further delay in testing is not necessary. The larger the specimens to be tested the greater will be the gain the microscope will effect in avoiding the cost of further proof. Samples and microphotographs of bridge timbers which have proved faulty, but which a preliminary examination with the microscope would have thrown out, have been exhibited in America. The timber from which these specimens was taken was a fragment from a railway bridge wrecked in 1879. The timber was so excessively poor, that on mounting a specimen on the plate of the microscope, its weak and porous nature was at once apparent. The annual rings appeared about three times as far apart as they would be in good wood of a similar kind. The medullary rays were few in number and short in length, whilst in good wood they are of considerable length, and so numerous that tangential sections present the appearance of a series of tubes seen endwise on a number of parallel chains. After one seeing and comparing samples of good and bad wood, it is easy to recognize the difference with a pocket magnifying glass. The trunks and limbs of exogenous trees, as it is well known, are built up of concentric rings or layers of woody fibre which are held together by radial plates acting like tree-

TIMBER LIMITS WANTED

On the North Shore of Lake
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A PRACTICAL MAN to manage a Sash, Door, and Blind Manufactory, which has a Planing Mill and Box Department connected. In all giving employment to 100 men, located at Syracuse, New York, U.S.A. Persons applying must be conversant with all details and thoroughly capable. For further information address,

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nails on a boat's side. The rings, representing successive years' growth, are composed of tubes, the interstices of which are filled with cellulose. The slower the growth of the tree, the thinner these yearly rings and the denser and harder the wood, other things being equal. Not only is the closeness of texture and indication of the hardness and strength of the timber, but the size, frequency, and distribution of the radial plates which bind the annual layers together may be taken as a very close illustration or sign of the character of the wood and its ability to resist strains, especially a breaking stress. The micro photographs of good and bad timber show that in the strong kinds the concentric layers are close in texture, narrow in width and the radial plates numerous, wide, long, and stout, while in poor stuff the opposite characteristics prevail. The practical application consists in having such enlarged photographic sections longitudinal and transverse of standard pieces of timber bearing a certain known maximum or minimum strain, and rejecting any piece which the assisted eye detects to have fewer rings per inch of diameter, fewer fibres, or fewer radial plates per square inch of section, or to use such pieces with a greater factor of safety. The advantage of the method is that it allows all timber for important positions to be tested before being used.

Advice to Mothers.

Are you disturbed at night and broken of your rest by a sick child suffering and crying with pain and cutting teeth? If so, send at once and get a bottle of Mrs. Winslow's Soothing Syrup for children teething. Its value is incalculable. It will relieve the poor little sufferer immediately. Depend upon it, mothers, there is no mistake about it. It cures dysentery and diarrhoea, regulates the stomach and bowels, cures wind, colic, softens the gums, reduces inflammation, and gives tone and energy to the whole system. Mrs. Winslow's Soothing Syrup for children teething is pleasant to the taste, and is the prescription of one of the oldest and best female nurses and physicians in the United States, and is for sale by all druggists throughout the world. Price 25 cents a bottle.

"That Miss Jones is a nice-looking girl, isn't she?"

"Yes, and she'd be the belle of the town if it wasn't for one thing."

"What's that?"

"She has catarrh so bad that it is unpleasant to be near her. She has tried a dozen things and nothing helps her. I am sorry for I like her, but that doesn't make it any less disagreeable for one to be around her."

Now if she had used Dr. Sage's Catarrh Remedy, there would have been nothing of the kind said, for it will cure catarrh every time.

A FULL LINE of all Sizes
Single and Double Belting
constantly in stock.

ALL ORDERS
Filled same day
as received.



TORONTO

WAREROOMS

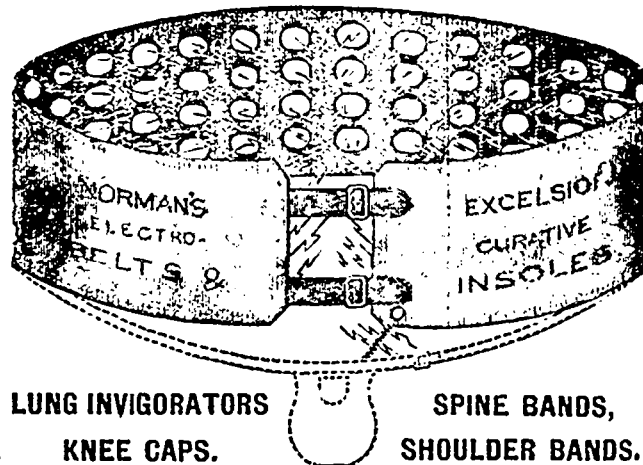
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NERVOUS DEBILITY,
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N. B.—Mr. Norman has had long experience in the
Treatment of Diseases by Electricity, and will give his
personal attention to every case, by letter or examination.