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VOL. 4.

PETERBOROUGH, ONT., OCTOBER 15, 1884.

NO. 20.

#### A PROBLEM OF THE FUTURE.

The number of lumber markets of importance which are springing up in the United States appear to be effecting the great centres of the lumbering business, where wholesale dealers did a large trade. The *Northwestern Lumberman* refers to this, under the above heading, as follows:

"The rule of division is becoming more and more applied to the lumber business. This application is opposite to concentration and multiplication of stocks at different markets. The tendency is to scatter markets and sources of supply, and break up old lines and directions of trade. By this manner of stating the case we mean to assert that whereas a few years ago there were main sources of lumber supply to the distributive trade, like Albany, Buffalo, Tonawanda, Saginaw, Toledo, Chicago, and the river towns, now there are many more points that are dipping into the distributive trade, which are scattered along the railroads in Michigan and Wisconsin, and rising up constantly around the lakes on the Mississippi river. Manufacturers who were once content to sell their lumber in block, are now eager to embark in the assorting and piling business. Muskegon is trying it, both at home and in Michigan City. There is a considerable car trade at the Saginaws, and it is increasing. The Menominee manufacturers are beginning to pile at the mills, for shipment from there partly, instead of altogether from this city. The railroad mills of interior Michigan do an extensive car trade in Ohio and Indiana. The same class of mills in Wisconsin ship assorted lumber in large quantities into Iowa, south Dakota, Nebraska, and to some extent into Kansas. Eau Claire, whose manufacturers once rafted all their lumber to points down the river, now pile probably 50,000,000 feet, and would pile more if they were sure of competitive freight rates. Only within recent years have Duluth and other Lake Superior shore mills been competitors for the southwestern trade, while the Lake Superior regions of northeastern Minnesota and northwestern Wisconsin are being cut up by new railroads, designed to draw off the abounding pine into western and southwestern distribution.

All this opening up of new outlets, and leading them with new mills, tends to divert lumber from the oldtime points of concentration. As a natural consequence it is increasingly difficult to control trade and prices. Every new railroad brings in a new factor in the freight problem, and a new competition in the distributive fields. When Chicago had only to watch Oshkosh, Stevens Point, and a half dozen mid-dle river markets, the problem was much less difficult than it is now, since the merchants have to watch all creation and Duluth besides. Freight, prices and delivered lists must now be adjusted with reference to an appalling

variety of competition. The lumber merchant here must have a head on his shoulders that is capable of comprehending a complex situation, and then, do the best he can, he is often chagrined to find out that somebody up above Wausau has beaten him out of his trade in Nebraska.

Chicago merchants are not alone in this difficulty. Some of the Eau Claire manufacturers stopped piling this season because their freight rates were arbitrated too high. St. Paul and Minneapolis on the one hand, and this city on the other, are vying with each other to see which can complain the loudest about discriminating rates and rival cutting of prices. A hundred points are pulling out with all their might to secure a share of the trade. Every body appears to desire to leave his lumber at the feet of the retail yard dealer and consumer in car load lots. All seem to want to ignore the great wholesale markets as much as possible. The effect is to increase competition and render the condition of trade exceedingly complex. It tends to uncertainty of prices. It is more difficult now than formerly to preserve a reasonable uniformity of prices between the different markets. Outside points profess to gauge their prices by those prevailing in Chicago, but lists emanating from this city are only a guide by which prices at outside places may be cut. Before there were so many railroads running into the interior of Wisconsin and Michigan, and reaching out into all fields of distribution, the leading markets on the lakes and rivers could easily control a relative range of values. Now it is impossible.

It is an interesting question as to what ultimate effect this cutting up of trade will have on the great wholesale markets. Will they gradually diminish in importance, or they will continue to hold their own against a multitude of small competitors? Coming into the problem is the changing character of the supply—the gradual diminishment of the proportion of good lumber in the older forest sections, and the increased proportion of coarse stuff. If the great markets keep up their assortments, as they must, as the only means of holding trade, there will have to be a vast amount of hunting through the woods in order to pick up the better grades. This will again complicate the distribution of stock. Indeed there is much of this eccentric movement going on now. It is difficult to determine how the stocks in the larger centres are to be kept full at a profit under the circumstances that are sure to arise in the not far off future."

#### MARKET FOR CANADIAN WOODS.

Mr. Edward Jack, Crown timber agent for New Brunswick, who represented his province at the Forestry Exhibition in Edinburgh, writes an interesting letter to the *St. John Globe* in reference to the hardwoods needed in Scotland,

the uses to which they are put and the manner in which they should be prepared for the English and Scotch markets. His observations are the results of interviews with Mr. T. R. Vaux, of Dewsbury, near Leeds, and Messrs. John T. Connell & Co., 106 and 108 Bothwell street, Glasgow, the latter being what are called in Glasgow "American merchants." We quote from Mr. Jack somewhat freely, as the information he imparts may prove of value to shippers in this part of Canada.—

Mr. Vaux says black birch is much used for the making of chairs and for cornice pieces, which are from five feet six inches to eight feet in length; their diameter two and a half inches. It is used in the making of tables, wardrobes and bedroom furniture in general, and in the manufacture of machinery, especially that which is employed in woollen mills; it is also largely used for making drawer knobs. It would sell much better than it does were it sent in planks of from 2½ to 4 inches thick, and from 9 inches wide up.

The markings effect the price very much, and prettily marked birch should be shipped in planks from five to nine inches thick, by being shipped in planks the character of the marking can be seen, and this will pretty much increase the value.

BEECH.—This wood is used for saw handles and tools generally and for saddle trees. Butts having a diameter of from 20 to 30 inches are used for mangle rollers in the manufacture of woollen goods, the length should be from 5 to 10 feet.

MAPLE. Ordinary maple is used for the same general purposes as birch. Birdseye maple is not yet very extensively used, but is coming into fashion fast, as light-colored woods are being much more used for bed room furniture than formerly; it had better be sent in the log, choice markings will command a high price; length should be six and a half feet and its multiples.

ASH.—English ash is becoming very scarce, the demand far exceeds the supply, the gray, the yellow and the white would be the varieties most in demand, they might be sent in planks the same as birch.

Cedar planks might be tried if sound and clean. It should be three inches thick and 11 inches and upwards in width.

Mr. Connell said that his experience with Canada had not been very satisfactory, especially in the matter of sawing, if it were inch stuff that he had agreed for, he would be sent material ranging from three-quarters to one and a quarter inches. He further said that, in dealing with Scotland, dimension stuff must be strictly adhered to. A large quantity of broom handles are used in Glasgow, he said. London and Liverpool, however, were the best markets for disposing of them. Spruce or pine is usually used in their manufacture. The length is

forty-eight inches; diameter, one and an eighth inches. They are required to be free from knots and perfectly smooth. He thinks they might be very well made from slabs, as they are usually, he says, made from waste wood. The finest quality of them, he says, can be bought in New York cased at \$16 per M.; ordinary ones at a much less rate.

Handles of picks, hammers, sledges, etc., are made of hickory. A considerable quantity of rock maple, Mr. Connell says, could be disposed of. It should be cut to sizes either in boards or possibly in square or other sizes of given length and thicknesses. It would require to be entirely free from rots, shakes, blemishes, hearts and sap wood. I have already had several enquiries about hemlock for the purpose of coarse box-making, and people here who understand woods well think that sound hemlock will answer very well for that purpose.

Mr. Jack promises further information after visiting London. He is, says the *Montreal Herald*, a first-class authority on the woods of New Brunswick, and one of his objects in visiting Britain is to find, if possible, openings for the sale of those New Brunswick woods for which at present there is a limited market. Mr. Jack is very thorough in observation and will be found very practical in his advice.

#### INVESTMENTS IN THE SOUTH.

The *Baltimore Manufacturers Record* makes a semi-annual statement of the progress in the South during the last six months, showing an investment of nearly seventy millions in new and enlarged industrial enterprises, as follows:

The aggregate investments foot up \$69,221,000, Alabama heading the list with \$13,840,000; Kentucky \$13,840,000, Virginia \$11,032,000, Texas \$7,934,000, Tennessee \$4,840,000, Georgia \$3,759,000, Maryland \$2,831,000, North Carolina \$2,633,000, West Virginia \$2,423,000, Florida \$1,506,000, Arkansas \$700,000, and Mississippi \$767,000, Louisiana \$1,830,000, South Carolina \$1,629,000.

The lumbermen of Georgia and Alabama have held a convention at Atlanta and passed a resolution that if necessary for the protecting of the milling interest, a stock company of the saw mill men should be organized and a lumber yard be opened in Atlanta, to be conducted through an agent to be elected by a board of five directors. This stock company to advance a certain per cent of cash to the shipper, and then hold the lumber until the company can dispose of it to the dealers, and they will remit balance to shipper, retaining a small per cent, which is to be used as a fund to operate the business and to defray incidental expenses, etc. *Saw Mill Gazette*.

When a saw has cracked near the teeth, to prevent its continuing, drill a small hole at the end of the crack. This is said to be effectual.

## THE ENGLISH TIMBER TRADE.

A fortnight ago we felt almost inclined to congratulate the trade on the dawn of a good time coming. The rate of importation had subsided very perceptibly in the month of August, and the Government being in the market for steam transports to Egypt, and a great bustle going on in loading them at the dockyards, it was expected that some rise of freight would keep speculators, whether here or abroad, from tampering with our markets, while there was no prospect of doing themselves any good by their ventures.

But the tide of importation seems to have flowed again unexpectedly in September, and from all parts we not only get accounts of large arrivals, but also that these are likely to be supplemented by a pretty long list of vessels, known to be chartered which have not yet put in an appearance; and there is, besides the stragglers intermediately, the whole of the regular Transatlantic fall fleet yet to be accounted for. So that we must not depend on any cessation of the rate of supply to the appearance of winter renders the chance of making a paying voyage in the timber trade, whether by steam or sail, very remote. We have been given to understand that both in Europe and America fewer timber ships than usual have accepted charters for autumn employment, and we heard weeks ago that already some of them were going into winter quarters. But have there not been rumours all through the season of deficient supplies to be expected from almost every shipping district? And figures are even now exhibited to us to prove the smallness of the stocks abroad in comparison of former years, and to convince us that the generality of shippers are hardly in a condition to complete their orders, much less to send forward market cargoes, and therefore that prices must rise before the season comes to a close.

On the other side there is an array of facts which will not be reasoned away, and they are totally opposed to the theory of there being any deficiency of timber in any quarter whatever. The list of arrivals in London last week was a curiosity. There were 35 cargoes of what is, by a figure of speech, termed "firewood," and a portion of it is no doubt used for kindling, but not for firing in the sense that firewood is used in France. On the contrary the largest part of these cargoes is good merchandise, that is convertible to a variety of useful purposes, notably for box and casemaking, where short length (1½ to 5½ ft.) come in as usefully as long deals, and at a very much smaller price; and when upwards of 30,000 loads of this sort of odds and ends are seen coming into London in a single week, enough to cover six acres of ground 6 ft. high, some idea may be formed of the stocks on hand abroad, of which these snips and cuttings are only the refuse.

We speak of these cargoes as if they had no influence on the general timber market, but they, no doubt, assist to keep prices down, for of this large quantity not perhaps a third or a quarter of it will be used for its nominal purpose. The rest will be mostly sent to the saw mills for conversion, some of it into matches, but more into boards of various thicknesses, for every variety of box or packing case that commerce can find a use for within the compass of the lengths proscribed. Ends of 6 to 8 ft. long are in Sweden shipped as stowage at two-third price of the longer deals, according to quality, 9 ft. and upwards being considered what is called merchantable sizes, but a limit is assigned to the quantity of short lengths in a cargo by a condition that the shipment must average a certain length, usually 16 to 17 ft. Everything under six feet from Northern Europe is accounted firewood, and all the lengths are cut to a multiple of 6 inches, 18, 24, 30, 36 in., and so on, to justify their title of firewood, as the bundles sold at the grocers and oil shops are found to suit the public best in lengths of 6 inches.

It is worthy of remark that from Canada short ends 3 ft. and upwards are not accounted firewood, but are sold as deal ends, and generally fetch fully two-thirds the price of long deals of the same quality. Perhaps because they are wider, and better in quality, being selected for the purpose, as the large freight from that quarter would render inferior stuff of that size

unmarketable. In some of the Russian ports anything below 12 ft. in length is treated as a deal end, and shipped at two-thirds price, but only as required for stowage. Custom has established the same rule in charter-parties as to deal ends. According to the usage at the port of shipment, they are charged two-thirds the freight of longer lengths, though it is usual to allow the abatement only on 6 to 8 ft. lengths.

Among the numerous inventions daily appealing to us for encouragement, is there not an opening here that has been overlooked? For instance, we are not aware that any one has yet applied for a patent to convert short deal and batten ends by a cheap and easy process into joists and rafters, of any length, and warranted stronger than those that are used, without a joint, size for size. With six acres of fathoms at market, the time suits well to try the experiment.

From this and other causes the prospects of the trade can hardly be said to be improving. Last week we suggested apologetically that war might not be altogether an unmitigated evil, though it is the fashion to speak of it as abominable, and to hold as monsters in human form, those who talk indifferently about, or who confess themselves ready to use the sword, politically or patriotically, whenever the occasion seems to require it. It is forgotten that our religion teaches us that in ancient times war to extermination was sometime waged under Divine authority. "Blessed are the peace-makers," is a precept of our creed, it is true; but were there no wars the occupation of the peace-makers like Othello's, would be gone.

A continuous heavy importation, accompanied by a check to the distribution of Government money, and a fading away of the demand for shipping, which was just beginning to brighten up, are not very favorable auspices for the autumn trade. On the other hand, the cheapness of money, a plentiful harvest, and a general belief that we are on the eve of better times, keep trade from languishing, and the timber branch of it maintains its ground wonderfully well through all. — *Timber Trades Journal.*

## LIST OF PATENTS.

The following list of patents upon improvements in wood-working machinery, granted by the United States Patent office, Sept. 30, 1884, is specially reported to the CANADA LUMBERMAN by Franklyn H. Hough, solicitor of American and foreign patents, No. 617 Seventh St., Washington, D. C. —

- 305,868.—Hoop pointing and lapping machine—A. F. Ward, Detroit, Mich.
- 305,733.—Machine for making kindling wood—J. Bowman, Princeton, Ill.
- 305,010.—Latho, wood-turning—E. H. Hudson, Potterville, Mich.
- 305,744.—Lubricator—W. H. Craig, Lawrence, Mass.
- 305,883.—Saw lifter, circular—W. G. Baumrille, Fiber City, Mich.
- 306,038.—Saw mill dog—F. M. Underwood, Columbus, Ohio.
- 305,960.—Sawing machine—C. M. Pierce, Brugton, N. J.
- 305,760.—Sawing machine, circular—J. W. Robbins, St. Johnsbury, Vt.
- 305,922.—Shaping machine, adjustable table for—H. J. Hendey, Torrington, Conn.

## PATENTS ISSUED OCT. 7.

- 306,173.—Barrel trussing machine—T. Murphy, San Francisco, Cal.
- 306,257.—Latho tools, cutting blade for—M. O. Johnson, Hartford, Conn.
- 306,325.—Planer pressure roll—W. H. Young, Cincinnati, Ohio.
- 306,216.—Saw jointer and set—J. K. Bridge, Woodstock, Ill.
- 306,312.—Saw mill set works—W. H. Appleman, Danville, Pa.
- 306,221.—Sawing machine table, band—H. J. Cordesman, Cincinnati, Ohio.
- 306,186.—Sawing machine, circular—E. O. Smith, Brooklyn, N. Y.
- 306,237.—Screw driver—W. B. Gilmore, Minneapolis, Minn.
- 306,096.—Screw driver—O. H. Olson, Decatur, Ill.
- 306,210.—Willow stripping machine—W. Barry, Syracuse, N. Y.

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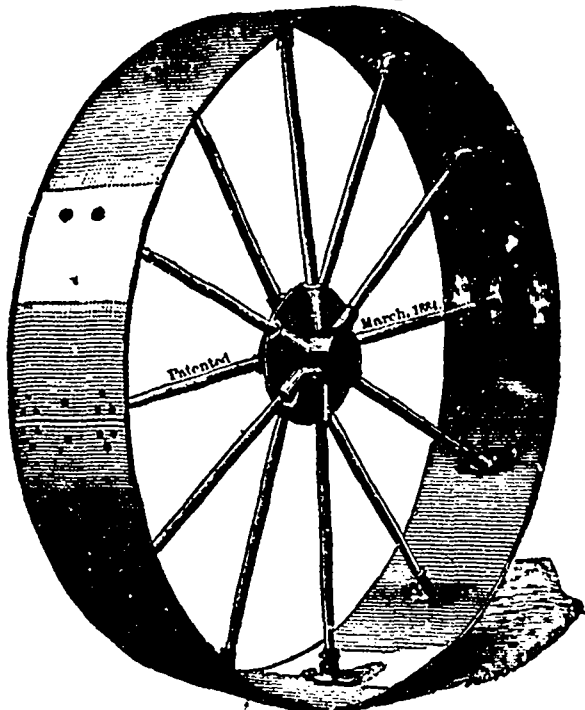
The National Manufacturing Co'y, Ottawa:

GENTLEMEN,—In reply to your enquiry, I beg to say that the highest awards made at the Industrial Exhibition for the years 1881, 1882, and 1883, for Tents, Marquees and Flags, were to your Company, being a Silver Medal for each year. Last year, 1883, was the first in which a medal was specially offered for Camp Furniture and Equipages, and it was awarded to the National Manufacturing Co'y, of Ottawa.

I am, your respectfully,

H. J. HILL, Manager and Secretary.

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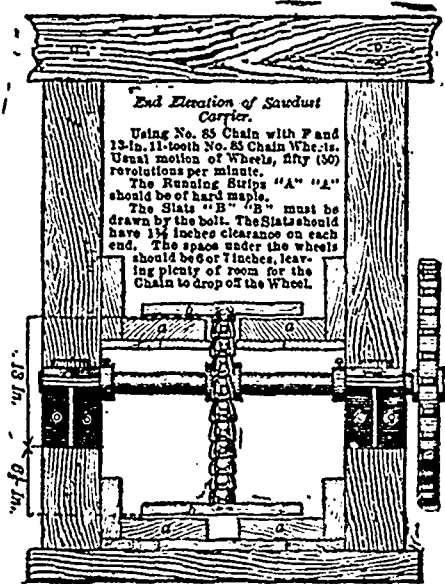
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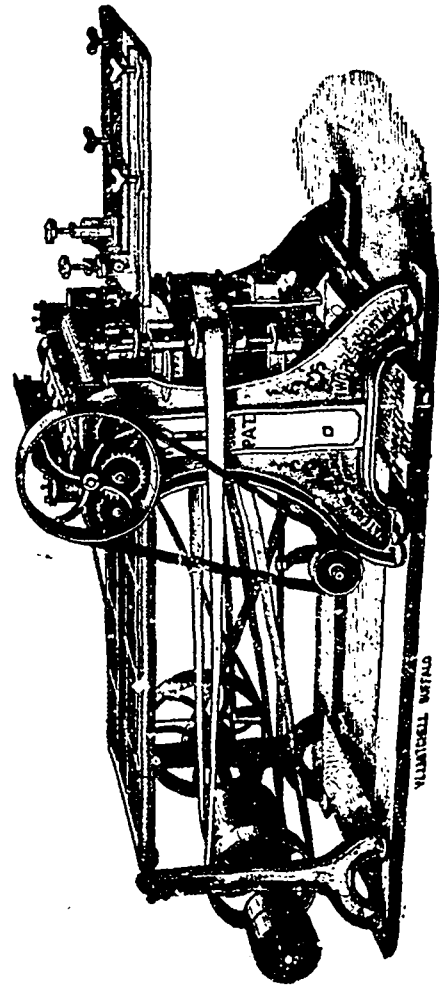
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LUMBER.

Some uncertainty of feeling has pervaded the lumber trade for a few weeks, owing to the comparative lack of American demand.

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A COMBINATION of lumber dealers in Delaware has, it is reported, been formed for the purpose of handling a large quantity of Saginaw lumber the ensuing winter by rail.

Russian Forests.

A great diminution in the forest trees of Russia has taken place during the last thirty years, and as a result it is said that the climate has changed for the worse.

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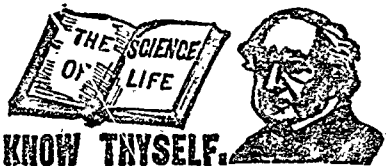
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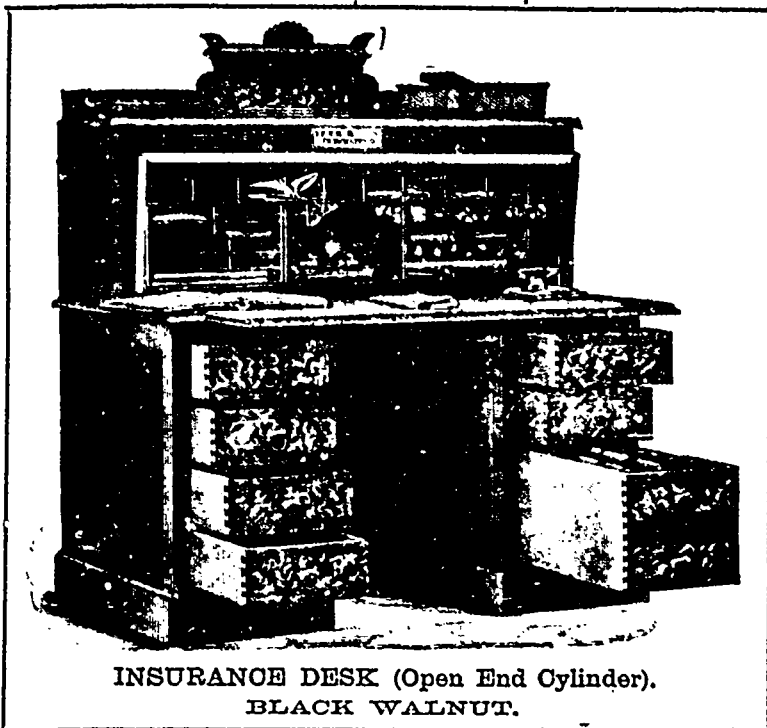
HILLOCK & KENT Wholesale and Retail Dealer in Pine and Hardwood Lumber, Lath, Shingles, Veneers, Wave Mouldings & Fancy Woods. 103 Albert Street, TORONTO.

The American Hotel, BARRIE, ONT. Collier St., Adjoining Market. RATES REASONABLE, CENTRAL LOCATION, FREE BUS TO AND FROM ALL TRAINS.

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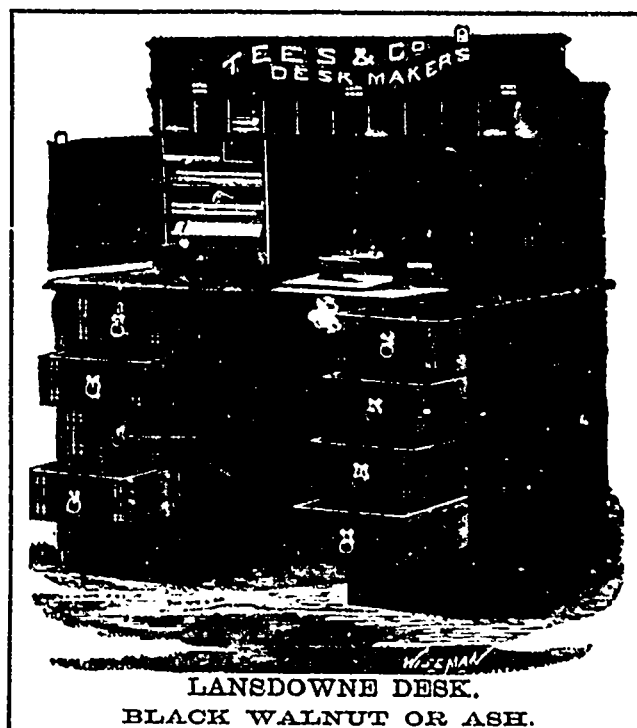
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INSURANCE DESK (Open End Cylinder).  
BLACK WALNUT.

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LANSDOWNE DESK.  
BLACK WALNUT OR ASH.

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DESK MAKERS.

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Which took every honor awarded at the Centennial Exhibition.

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## Lightning Cant Dog.

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Our Improved Artificial Ear Drums cure Deafness in all stages. Recommended by scientific men of Europe and America. Write for illustrative descriptive book and testimonials from doctors, judges, ministers, and prominent men and women who have been cured, and who take pleasure in recommending them. They are unseen while in use, comfortable to wear, and make a permanent cure. Address, J. H. NICHOLSON, 7 Murray St., New York. d64w3310



Cures Dizziness, Loss of Appetite, Indigestion, Bilioussness, Dyspepsia, Jaundice, Affections of the Liver and Kidneys, Pimples, Blotches, Boils, Humors, Salt Rheum, Scrofula, Erysipelas, and all diseases arising from Impure Blood, Deranged Stomach, or irregular action of the Bowels.

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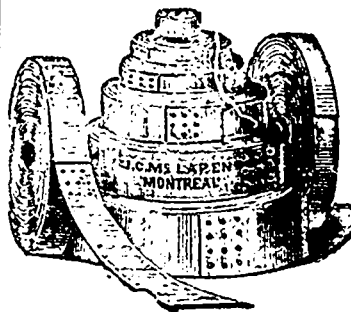
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Acknowledged by all to be the

Best Belt ever offered  
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EVERY BELT GUARANTEED

The Best Mills in the Country use it.



QUALITY is what I am at, the result being the Generous Support of all Manufacturers.

For Discounts and Terms, Address

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At Ottawa Exhibition, 1884. It is the most economic and the best in use. Perfectly Pure. 120-1y

for the working class. Send 10 cents for postage, and we will mail you free, a royal valuable box of sample goods that will put you in the way of making more money in a few days than you ever thought possible at any business. Capital not required. We will start you. You can work all the time or in spare time only. The work is universally adapted to both sexes, young and old. You can easily earn from 50 cents to \$5 every evening. That all who want work may test the business, we make this unparalleled offer; to all who are not well satisfied we will send \$1 to pay for the trouble of writing us. Full particulars, directions, etc., sent free. Fortunes will be made by those who give their whole time to the work. Great success absolutely sure. Don't delay. Start now. Address BRINSON & CO., Av. St. Malin.









OSWEGO, N.Y.

From Our Own Correspondent.

Oct. 9.—No particular change in general quotations, some sales of box have been made under price. Trade is slow, receipts of coarse lumber have been heavy since our last; lake and canal freights are steady and no prospect of an advance. The prevailing opinion is that trade must be light during the fall.

Table of lumber prices for Oswego, N.Y., listing items like Three spruce, Pickling, Cutting up, Fine Common, Common, Culls, Mill run lots, Sidings, Mill run, 1x10, 13 to 16 ft., Shippers, Mill run, 1 1/2 x 10, Selected, Shippers, Mill run, 1 & 1 1/2 in. strips, Selected, Culls, 1x7 selected for clapboards, Shingles, XXX, 18 in. pine, Cedar, Lath, No 1, No 2.

GLASGOW.

The Timber Trades Journal of Sept. 27th, says:—The import to Clyde still continues to be upon a moderate scale, the list for the past week showing no arrivals at Greenock, which is somewhat unusual at this time of the year. The total tonnage employed in conveyance of wood goods to Clyde ports exhibits a marked decrease this year to date compared with last, and there are few vessels this fall open to charter. There are no anxious charterers, although freights are extremely low, and it is clear this year's total import will be comparatively a small one, yet sales continue to be made only upon very tempting conditions for buyers.

The spruce deal market shows little signs as yet of decided improvement, but the time approaches when, as a general rule, there is always a larger consumption of this class of wood.

There has just been landed here, per steamer, a superior cargo of Michigan bright pine deals, 1st quality, of large dimensions, consigned to Messrs. Edmiston & Mitchells, who will likely have them brought to market on an early day.

There has been one public sale during the week at Port Glasgow. There was a good attendance and fair amount of business done. Particulars are appended.

AUCTION SALE.

On 18th inst., at Greenock, Messrs. Hunter, Sheriff, & Co., Brokers:—

Auction sale table listing items like Quebec waney boardwood, Do. yellow pine, Do. yellow pine beam fillings, Do. red pine, Sawn pitch pine, Fitch pine planks, Quebec 1st. pine deals, Do. 3rd pine deals.

LIVERPOOL.

The Timber Trades Journal of Sept. 27th says:—The sudden change of wind has brought up a fleet of vessels laden with timber, deals, &c., about thirty sail from various ports having arrived; so that we may expect a considerable amount of liveliness on the dock quays in the way of discharging, storing, or shipping off orders.

It is understood that a very large proportion of those have been sold before arrival, especially those laden with spruce deals. The other shipments are of flooring, Baltic fir, mahogany, and a cargo of Moulmein oak; so that the import presents a very diversified aspect. He would be an exacting customer who failed to find what he required from the stocks here now.

In prices there is virtually no change, the sales by private treaty as well as those by pub-

lic auction showing little if any change from those recently current.

There is some talk of business showing an indication towards improvement, but it has so far not exhibited itself in the timber trade in any practical shape, and we may perhaps not be long in assuming that "the wish is father to the thought."

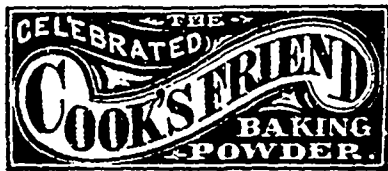
The only public sale of timber yet unrecorded was on Friday the 19th inst., when Messrs. Farnworth & Jardine sold 1,033 logs of Halifax birch, which sold fairly well, but chiefly in large quantities, at about the following prices:—

Table of timber prices for Halifax birch, listing sizes like 22 in. & up deep, 21 in. & under 22 in. deep, 20 in., 19 in., 18 in., 17 in., 16 in., Under Planks.

TYNE.

The Timber Trades Journal of Sept. 27, says:—The arrivals of the past seven days have been the smallest for several weeks, and cover no one item of any special importance. So far the imports of the season are falling very far behind the record of the past year, the figures by your last published returns showing the total imports of the Tyne to be nearly 20,000 loads short of the imports of 1883. The figures at first sight appear alarming, but on investigation it will be found that on the whole stocks are smaller than they were at this time last year, at any rate of sawn goods. Much less pitwood has been imported, a matter satisfactory in itself. The greatest amount of falling off will have been in whitewood deals and American wood used in the shipbuilding trade. Practically, the great bulk of shipments are now made as with the quantity of steamers now engaged in the trade, the shipments are made much earlier, and importers thereby avoid the heavy rates of insurance, besides getting the goods forward in a very much better condition.

Prices have scarcely varied at all this season, and almost everything is at the moment stationary.—



Is the Best and Most Economical article in use for raising all kinds of Biscuit, Rolls, Pancakes, Johnny Cakes, &c. It is made from the BEST MATERIALS MONEY CAN BUY, and is perfectly pure and wholesome. Bread ready for the table can be prepared by its means in TWENTY MINUTES after wetting the flour. Next to salt it is the most useful adjunct to camp supplies.

McLaren's Cook's Friend

IS THE ONLY GENUINE, BE SURE YOU PURCHASE NO OTHER.

MACHINERY

SECOND HAND.

- One 50 Horse-power Engine.
One Pr. 35 " " (COUPLED)
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One 10 " "
One 4 " "

Bollers, 4 to 25 Horse-power.
Steam Pumps, Drills, &c.
625 Feet Wire Rope.
(2) in. AT A VERY LOW PRICE.)

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MONTREAL SAW WORKS

CHAS. M. WHITLAW, Manager.

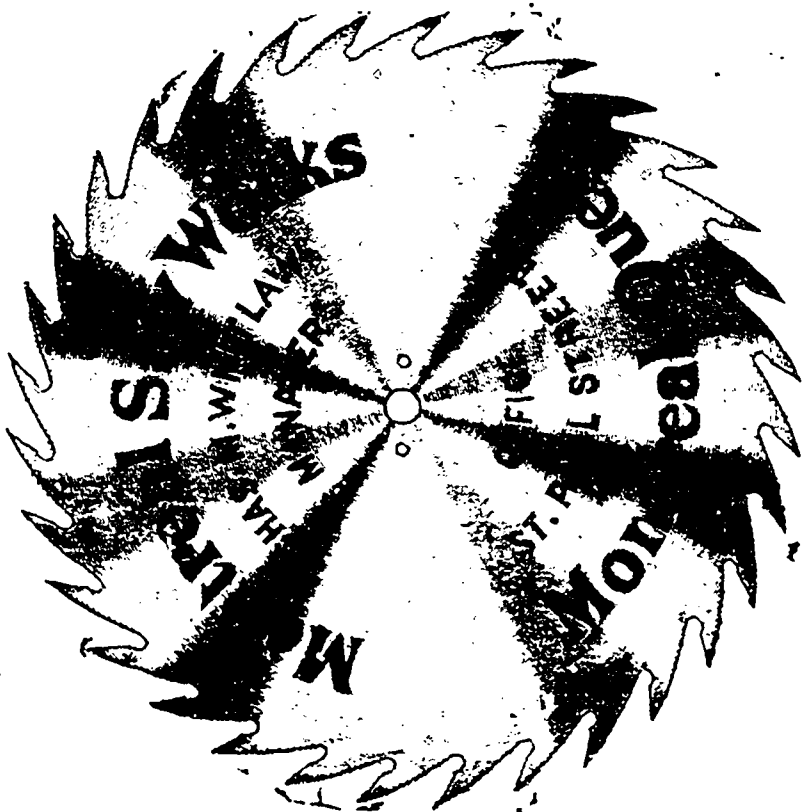
OFFICE: 452 St. Paul Street. P. O. Box, 1167.

— MANUFACTURERS OF —

CIRCULAR, GANG, SHINGLE, CONCAVE GROOVING, TOP, DRAG, CROSS-CUT AND BILLET WEB, PIT, ICE, AND ONE MAN CROSS-CUT SAWS,

— AND DEALERS IN —

BAND SAWS, BARREL AND HEADING SAWS, EMERY WHEELS, GUMMERS AND CUTTERS FILES, RUBBER & LEATHER BELTING, SWAGES, SAW SETS.



Catalogues and Price Lists furnished on application.

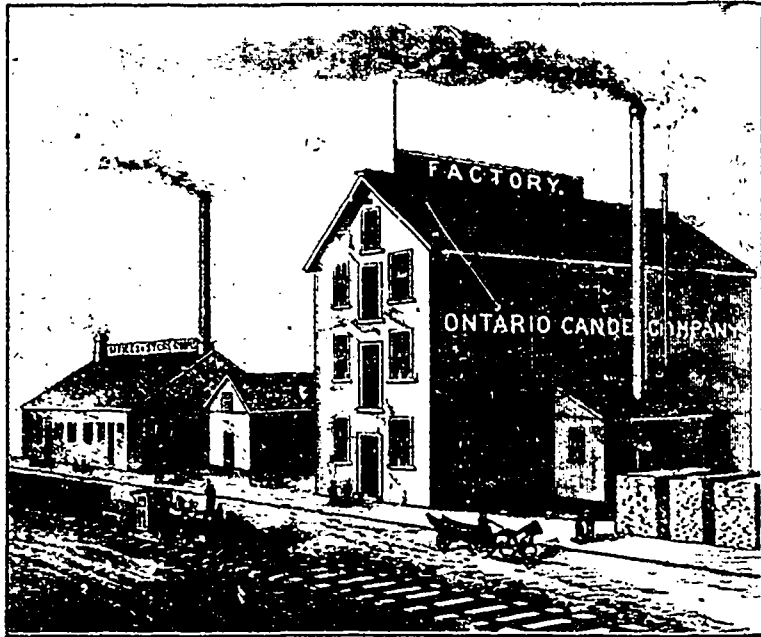
# The Ontario Canoe Co., Limited

PETERBOROUGH, ONTARIO,

Manufacturers of all kinds of PLEASURE, FISHING and HUNTING

## CANOEES

Patent Cedar Rib Canoes, Patent Longitudinal Rib Canoes, Basswood Canoes, Folding Canoes, Paddles, Oars, Tents, and all Canoe Fittings.



Gold Medal, London Fisheries Exhibition, 1883.

J. Z. ROGERS,

Send 3 cent Stamp for Illustrated Catalogue. President and Managing Director  
Canoes for Lumbermen, designed to carry any amount of goods and chattels and strongly built, made to order on short notice.

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To Mill Owners, Lumbermen, Manufacturers USE ONLY



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Send for Circulars and Price Lists.

# THE INTERNATIONAL TENT & AWNING CO.

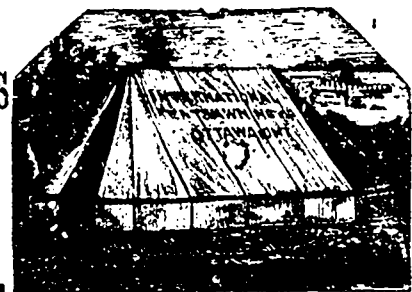
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## LUMBERMEN'S TENTS

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32 First Prizes AND 6 MEDALS.



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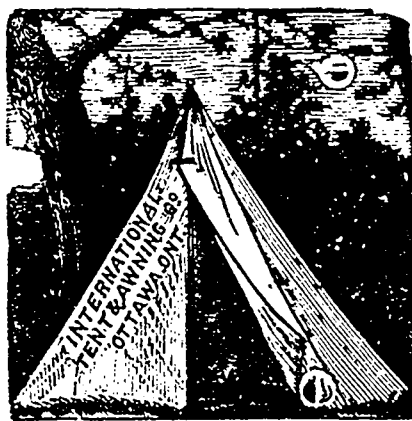
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Estimates for Circus Tents, Range Marquees, Hand-made Sails, etc., furnished on application. Liberal Discount to Large Buyers.

## PORTABLE CANVAS BOATS MADE TO ORDER

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AND PRICE LIST.



Camp Furniture!

SEE OUR NOVELTIES

At Toronto, Ont., and St. John, N.B., we made the best Display of Tents ever shown in Canada—and we never substitute an article inferior to sample in filling orders.

We control "THE LATOUR PAT." for Camp Furniture, the best on earth. The only Gold Medal ever given for this class of goods was awarded to the Latour Camp Furniture at Toronto in 1882.

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We have secured the services of the best practical sail-maker in Canada. Orders in this line will receive prompt and satisfactory attention, as is usual with all orders entrusted to us.

Agency for the WILDERMUTH BED SPRING, the best in the Market.

A. G. FORGIE, MANAGER,

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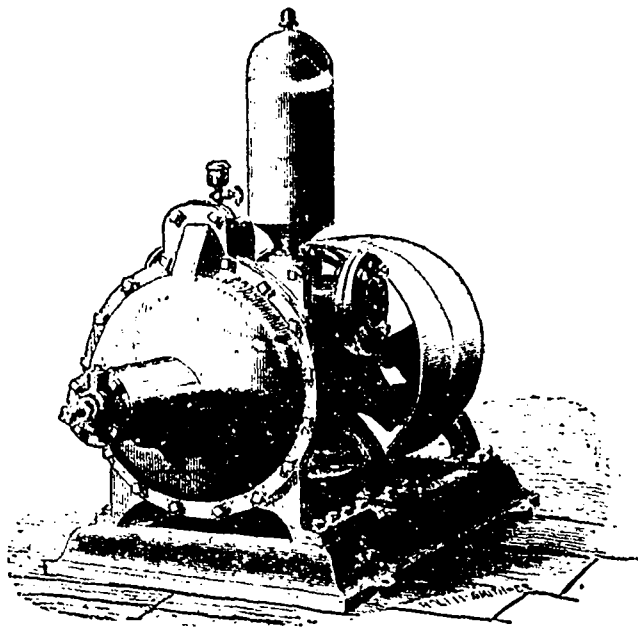
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SIMCOE STREET

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## PROTECTION FROM FIRE

An Improved Rotary Piston Force Pump.

No.	Diameter of Pipes.		No. of Revolutions.	Capacity per minute at table speed.	Price.
	Suction.	Discharge.			
2	2½ in.	2 inch.	250	125	\$100
3	4 "	3 "	250	250	150
4	5 "	4 "	250	400	225

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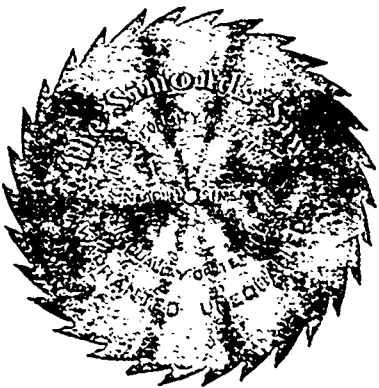
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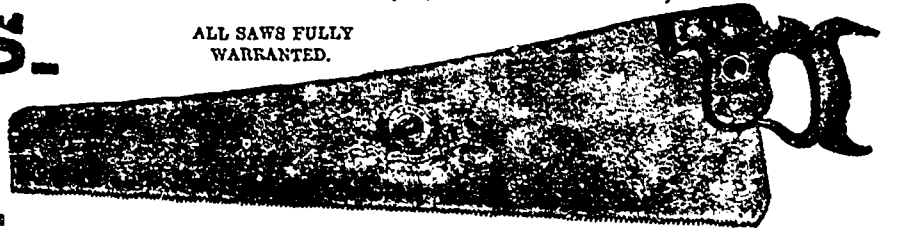
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## SAWS.

ALL SAWS FULLY WARRANTED.

Sole Manufacturers for the Dominion of Canada of the

"SIMONDS" SAWS.



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

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*Pumps for Fire Protection a Specialty.*

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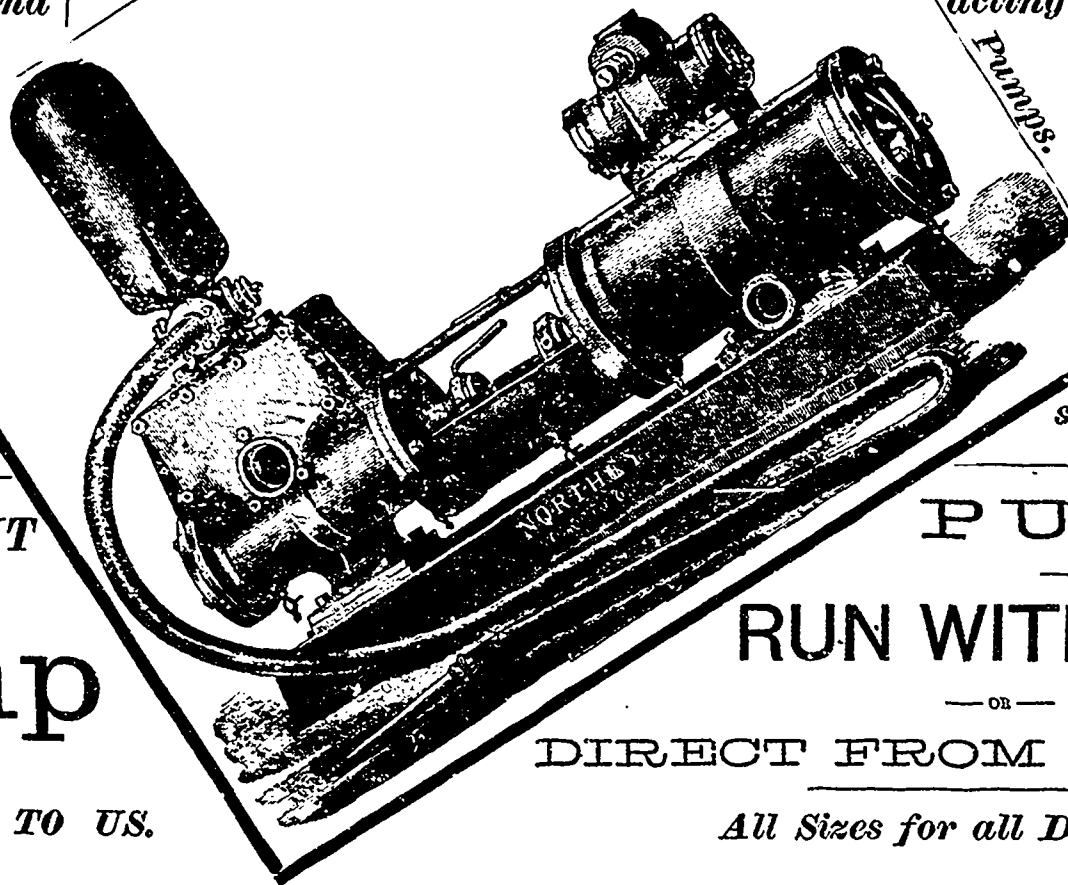
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### Compact. Durable.

*Having the well known compactness of direct acting Pumps.*

*Guaranteed the most durable Pump made; impossible to break down.*

*Our PUMPS for general water supply give the greatest satisfaction.*



IF YOU WANT

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FOR ANY PURPOSE

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— TO —

# RUN WITH BELT

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*All Sizes for all Duties.*

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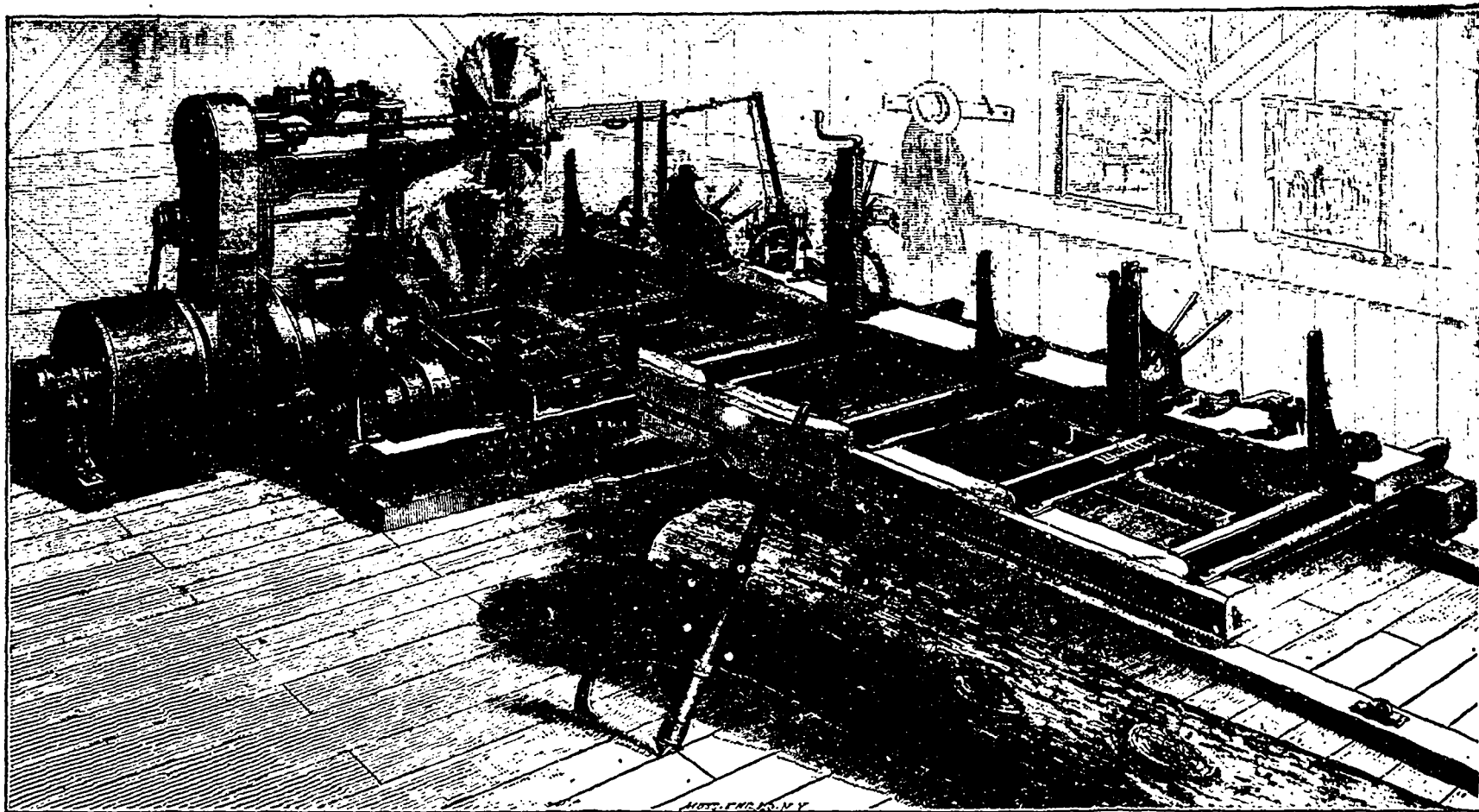
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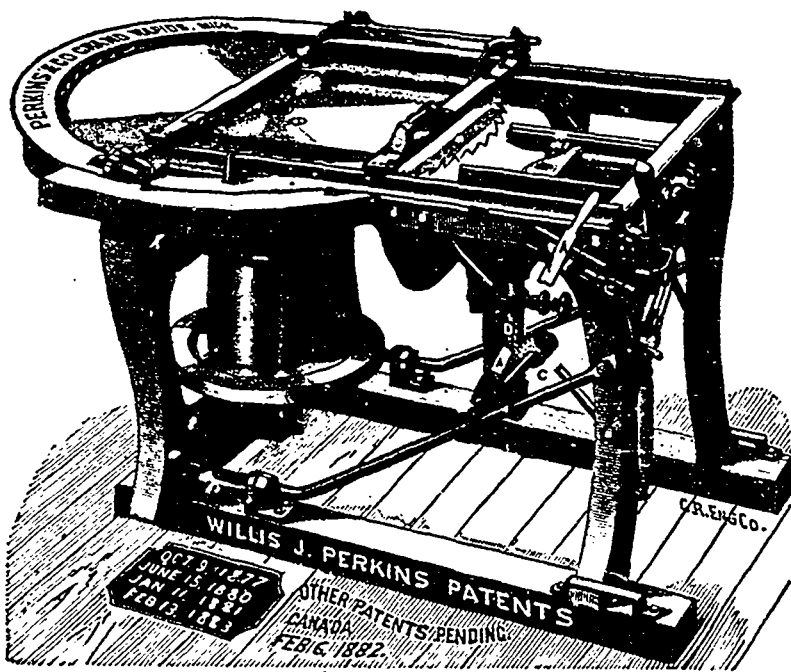
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### Willis J. Perkins' Drop Tilt!

The only Horizontal Saw Machine on which a thick slab can be cut from the bolt.

**SECOND CUT ALWAYS A SHINGLE.**

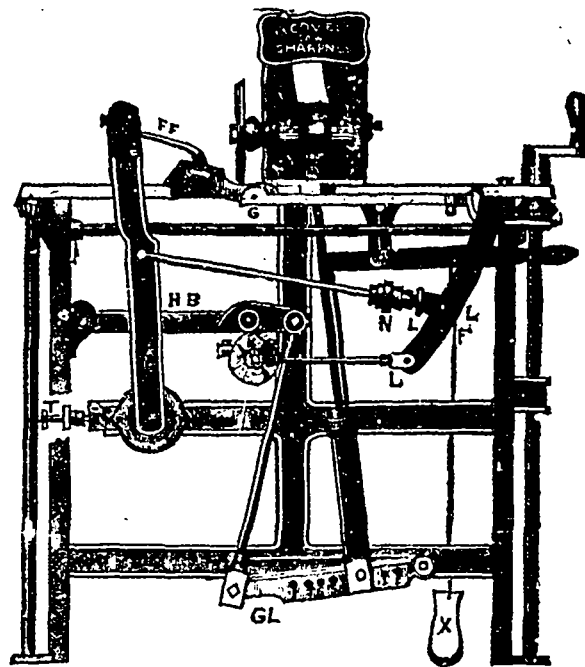
Knots, rots, hearts, bolt squared tilt ways, and all irregularities cut off at one clip. This improvement will pay the price of the whole machine every season by increase of quality and quantity cut.

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### The M. Covel Patent Saw Sharpener.



The above Cut No. 1 shows some very important changes that have lately been made, which makes the machines far less complicated for new beginners to operate. Cut No. 2 shows this machine with a circular saw upon it ready for operation.

