

cuses, and it is a pleasure to do anything that may help to bring it under public attention, though it be only by penning this hurried and imperfect notice.

S. S. NELLES.
Victoria University, Cobourg, Aug. 6, 1883.

WHAT IS TO BE DONE WITH THE SAW-DUST?

The following note of inquiry was recently sent to one of our regular contributors by one of our readers:

MARLBETOWN, N. Y., May, 1883.

We are running a small steam saw mill, cutting about 10,000 feet of lumber a day. We make plenty of steam by using the slabs made and some sawdust. But we cannot use all the dust and in very dry summer weather are afraid to use it at all, for fear of fire. Consequently it accumulates rapidly and is seriously in the way, requiring the labor of several men to wheel it off and burn it, at a very considerable expense to us. As we know of no consulting engineer in this vicinity, after reading your article in *The Millstone*, we write to you for advice. Please write and tell us what to do. Make your charge and we will pay it, but do not give us any guess work. We want a guaranteed plan, and are willing to pay for it.

Very truly yours, —

Answer: What to do with the sawdust has bothered more than our inquiring reader. In the large Wisconsin mills the surplus was formerly dumped into the stream near at hand. When that was forbidden by law large brick kilns or furnaces were made, conveyors were run to them and the surplus not needed for steam making was burned up. This, it is believed, is the general custom now. If any better disposition is made of it that any reader of this periodical knows of, he would do a favor by letting the public know through these columns. More sawdust and less slabs may be burned by making a better draft. This can be done by turning the exhaust steam into the smoke-stack, low down, or by increasing the height of the stack. Increased risk by fire by increased draft can be obviated by using a locomotive wire screening over the top of the stack, which should flare out funnel shape. This screen and the moisture from the escaped steam, will avert all danger from flying live sparks, and allow sawdust to be burned at all seasons, no matter how dry the weather may be.

But no other disposition of the surplus sawdust that may accumulate after all, is better than that made by the great mills of the north. A conveyor can carry this surplus a considerable distance from the mill by machinery, and the kiln can be built up close and tight, so a constant fire can be kept up, only requiring a little watching and care by the men employed outside of the mill.—J. F. Tallant, in *Millstone*.

New Zealand Forests.

The forests of New Zealand cover an area of not less than 20,000,000 acres. The forests on the crown lands alone are estimated at 10,000,000 acres; about 5,000,000 acres are the private property of the white or European population, and the remainder is owned by the Maori or native inhabitants. The kauri pine, found only in the province of Auckland, is one of most valuable trees in the colony. It often grows to a height of 200 feet and measures 12 to 30 feet in circumference. The annual output of Kauri timber is about 110,000,000 feet. Another valuable tree is the kahikatea, a species of pine. The totara, a hard, close-grained wood, is used a great deal, and lately it has been found to be very serviceable for wharf piles and telegraph poles. There are many other varieties of valuable wood in the colony and the forests are so vast that they must yield enormous wealth to the colony in the future.

A Plucky British!

A young lady, Miss Kate McDarby, recently ran the Calumet slides and chute on a crib. Only one lady has ever been known to do this before. Not a few river men have also been known to show the white feather at this place. Miss McDarby however was not in the least frightened and after she had passed through it, wanted to run it again.

Saw Mill Burned.

MIDLAND, Aug. 10.—The fine new mill belonging to the British Canadian Lumber Company here was totally destroyed by fire this evening. The yard was full of dry and green lumber, which is at present (9 p.m.) burning, with no hope of saving any. Loss fully \$100,000. Particulars of the insurance cannot be ascertained to-night.

ROCK ELM WANTED.

A Few Car Loads of good ROCK ELM, cut into 1, 2, 2½ and 3 inches thick, 12ft. length preferred.

DUFRESNE & JODOIN,
Lumber Dealers,
6112 496, St. Joseph Street, Montreal

A RARE CHANCE!

Valuable Steam Saw-Mill

FOR SALE.

The Waba Creek Steam Saw Mills, situated on the Madawaska River, one mile from Arnprior. Capacity of Mill, Fifty Thousand Feet of Lumber per Eleven hours. Capacity of Boiling Pond, Thirty Thousand Logs. Has Sidings through piling grounds connected with main line of Canada Pacific Railway. The Mill is in good repair, having only run a short time, and is well found in all appliances required to run it to the above capacity. There is also a good water power connected with it from the Waba Creek, and good stabling, Barn, Boarding House, and other buildings. For information, price and terms, apply to John Robertson, 681, St. Joseph Street, Montreal, or to James McCuan, Arnprior, who will show intending purchasers the whole property, or to

J. T. LAMBERT,
Lumber Broker, 110 Wellington St., Ottawa.

How Many Miles Do You Drive!

ODOMETER

This instrument is no larger than a watch. It tells the exact number of miles driven to the 1-100th part of a mile; counts up to 1,000 miles; water and dust tight; always in order; saves horses from being over-driven; is easily attached to the wheel of a Buggy, Carriage, Sulky, Wagon, Road Cart, Sulky Plough, Reaper, Mower, or other vehicle. Invaluable to LIVERYMEN, PLEASURE DRIVERS, PRIVATEERS, FARMERS, SURVEYORS, DRAYMEN, EXPRESSMEN, STAGE OWNERS, &c. Price only \$5.00 each, one-third the price of any other Odometer. When ordering give diameter of the wheel. Sent by mail on receipt of price, post paid. Address

McDONNELL ODOMETER CO.,
2 North La Salle St., Chicago.
Send for Circular.

SAW MILLS

TIMBER LIMITS

Logs, Lumber, Store Goods, &c FOR SALE

In the District of Algoma, Ont.

Eighty-Five Square Miles (54,400 Acres) of Limits. Good Pine, First-Class Water Power, Large New Water Mill, Steam Mill, Store and Dwellings.

Canada Pacific Railway now running through part of the property.

For full particulars address:—

WILLIAMS & MURRAY,
GODERICH, ONT.

WISE

people are always on the lookout for chances to increase their earnings, and in time become wealthy; those who do not improve their opportunities remain in poverty. We offer a great chance to make money. We want many men, women, boys and girls to work for us right in their own localities. Any one can do the work properly from the first start. The business will pay more than ten times ordinary wages. Expensive outfit furnished free. No one who engages fails to make money rapidly. You can devote your whole time to the work, or only your spare moments. Full information and all that is needed sent free. Address STURSON & Co., Portland, Maine.

F. E. DIXON & CO.

MANUFACTURERS OF

STAR RIVET LEATHER BELTING

70 King Street East, Toronto.

SPECIALTY:—Belting made from J. B. HOYT & Co's American Oak Tanned Leather.

Send for Price List and Discounts.

WATER POWER

TO LEASE.

THE UNDERSIGNED having largely extended their raceway at Lakefield, are desirous of corresponding with parties who wish to go into manufacturing, and they are prepared to sell or lease water power on the most favorable terms, or would erect buildings of any size suitable for factories.

R. & G. STRICKLAND

1888 LAKEFIELD, ONT. W. 519

AUCTION SALE

—OF—

VALUABLE Timber Limits

I will offer for sale by Public Auction, on account of whom it may concern, at the Grand Union Hotel, in the CITY OF OTTAWA, on TUESDAY, the 25th day of AUGUST next, at the hour of 2.30 o'clock in the afternoon, Timber Limits as follows:—

PARCEL No. 1.

License—			
No. 339 Kippewa, Season 1882-83, 50 sq. miles.			
380 do do do do	40	do	
391 do do do do	20	do	
392 do do do do	6	do	
393 do do do do	50	do	
397 Temiscamingue, do	50	do	
335 do do do do	6	do	
400, River Ottawa, do	25	do	
333 do do do do	07½	do	
400, Coulonge & B River do	7	do	

PARCEL No. 2.

401, North of River Coulonge	30	do
402 do do do do	30	do
403 do do do do	30	do
404 do do do do	30	do
405 do do do do	30	do

PARCEL No. 3.

337, River Ottawa, do	17	do
338 do do do do	43	do
392, River Coulonge, do	50	do
392 do do do do	50	do

PARCEL No. 4.

Upper	License 1878-4, No 431,	containing	Miles.
Ottawa, do do do	532	do	49½
do do do	533	do	52
do do do	534	do	47½
do do do	535	do	32½
do do do	537	do	46½
do do do	537	do	50½
do do do	538	do	47½

PARCEL No. 5.

do do do	507	do	50
do do do	508	do	47½
do do do	509	do	40
do do do	510	do	23
do do do	511	do	26

Also half interest in Licenses Nos. 343 and 344, season 1882-83, 87 square miles.

Timber cut on Kippewa Limits was sold in 1880, 300; 1881, 32c, and 1882, 32c. There is also a farm in connection with the limits which will be sold with a quantity of Clear Meat Pork, Flour, Oats, Beans, Hay, Horses and other rigging requisite for shantying.

TERMS—Cash, or one-third cash, one-third in 6 months and one-third in 12 months, with interest at 6 per cent., approved notes. For further particulars apply to the Crown Timber Agent, Ottawa, or to

R. C. W. MacQUAIG,
Auctioneer.

Extensive Sale

OF VALUABLE

TIMBER LIMITS

For the purpose of determining the partnership existing between the undersigned, they will offer for sale by PUBLIC AUCTION at the RUSSELL HOUSE, in the CITY OF OTTAWA, on WEDNESDAY, the 12th day of SEPTEMBER next, at TWO o'clock in the afternoon (unless sooner disposed of by private sale), the following Valuable Timber Limits, or Licenses to cut Timber, in the Provinces of Quebec and Ontario:—

PARCEL I,

Province of Quebec.

License			
No. 85 of 1881-82, River Maganicippi, Area 25 sq. miles.			
" 86 do do do do	do	do	do
" 87 do do do do	do	do	do
" 88 do do do do	do	do	do
" 89 do do do do	do	do	do
" 90 do do do do	do	do	do
" 91 do do do do	do	do	do
" 92 do do do do	do	do	do
" 93 do Ottawa & Maganicippi, do	do	do	do

Total area 348½ sq. miles

PARCEL II,

Province of Ontario.

No. 129 of 1882-83, River Ottawa, Area 22½ sq. miles		
" 130 do do do do	do	do

Total area 79½ sq. miles.

Terms and conditions made known at time of sale. Further information may be obtained on application to JAMES ADAM, ESQ., Manager St. Lawrence Docks, Quebec, JOHN POUPORE, ESQ., Crown Timber Office, Ottawa, JOHN WALKER, ESQ., Manager Quebec Bank, Toronto, or at the office of the undersigned in Pembroke.

A. & P. WHITE.



Notice to Contractors.

SEALED TENDERS addressed to the undersigned, and endorsed "Tender for Post Office, Barrie, Ont.," will be received at this office until TUESDAY, the 7th of AUGUST next, inclusive, for the erection of

POST OFFICE

—AT—

BARRIE, ONT.

Plans and specifications can be seen at the Department of Public Works, Ottawa, and at the office of Messrs. Kennedy, McVittie & Holland, Architects, Barrie, on and after TUESDAY, the 24th July next. Persons tendering are notified that tenders will not be considered unless made on the printed forms supplied and signed with their actual signatures.

Each tender must be accompanied by an accepted bank cheque, made payable to the order of the Honorable the Minister of Public Works, equal to five per cent. of the amount of the tender, which will be forfeited if the party tendering declines to enter into contract when called on to do so, or if he fails to complete the work contracted for. If the tender be not accepted the cheque will be returned.

The department will not be bound to accept the lowest or any tender.

By order,

F. H. ENNIS,

Department of Public Works,
Ottawa, July, 1883.

1118