

river between Minneapolis and the head of Lake Pepin. They find that "a current velocity considerably less than one-fifth of a mile per hour suffices to take up and transport slowly coarse, saturated pine sawdust; that a velocity of one-fifth of a mile per hour produces a very decided movement down stream of such particles, and that a velocity of one-fourth of a mile per hour suffices for their entire and instantaneous removal," and the general conclusions were that "saturated pine sawdust will be permanently deposited in water when the velocity of the current exceeds twenty-five hundredths of a foot per second, or one-sixth of a mile per hour, and that bars of sand and sawdust combined will not be formed under any circumstances unless there exist expansions of the river below such sand-bars sufficient to make a cross section more than double that at the site of the bar." These conclusions are the more important from the fact that they are based upon investigations in streams where sawdust has been annually deposited in vast quantities during the last fifty years.

SOUTHERN LUMBER.

Several Grand Rapids lumbermen have invested in pine lands and organized the Pascagoula Lumber Company. The *Eagle* says:—"These parties have been for some quietly examining and estimating time through a large portion of the pine belt of the Mississippi. Much of the work has been done by members of the company and the remainder by men of known experience whom they have employed for that purpose since March, 1881.

Instead of hastily locating whatever they found vacant, they have taken time to examine a large portion of the available lands in the state in order to make the very best selections possible. The result is, they have obtained, partly from the government, and partly from private parties, a choice tract of 50,000 acres of the long leaf yellow pine, chiefly located on the Pascagoula river and its tributaries, where they can reach inland markets by rail and also have the facilities of river floating, and manufacturing where they have seaport navigation to almost any part of the civilized world, and they will immediately commence active operations in the manufacturing of the timber into lumber.—*Lumberman's Gazette*.

PRODUCE OF CROWN FORESTS.

The sixtieth report of the Commissioners of the Crown Forests, Woods, and Land Revenues has just been published, from which we gather that the amount received from all sources for forest produce, during the year ending March 31st, 1882, was £36,619 14s. 4d. This was divided as follows:—Windsor park and woods, £0, 11s. 9d.; New Forest, £12,222 10s. 6d.; Dean Forest, £7,984 5s. 9d.; Highmeadow Wood, £3,798 7s. 7d.; Alice Holt Woods, £1, 19s. 0d.; Woolmer Estate, £3,354 19s. 8d.; Bere Woods, £1,255 1s. 6d.; Parkhurst Woods, £643 13s. 1d.

In addition, the revenue from Crown Estates for timber during the twelve month was as follows:—

Stagden (Beds)	32 12 4
Windsor (Beds)	—
Delamere (Chester)	611 6 11
Chopwell (Durham)	2 12 6
Eltham (Kent)	806 4 2
Torver (Lancs)	—
Hazleborough and Salcey (Northampton)	966 15 8
Manor of St. Brivels (Gloucester)	0 3 0
Carlebrook (Hants)	0 6 0
Billingborough and Gedney (Lincoln)	93 20 0
Egham and Esher, &c., (Surrey)	909 10 6
Poyning (Sussex)	42 8 2
Bromham (Wilts)	1 6 0
Total	£2,968 14 2

WANTON DESTRUCTION.

The *Lumberman's Gazette* says:—"Timber destruction of the most wanton description is among the great evils which threaten the lumber industry of the country. Vast quantities of hemlock and oak are being destroyed for the bark alone, where the timber might be put to practical use. Untold thousands of feet of hemlock have been destroyed in Michigan alone in this manner, notwithstanding the growing importance and value of the wood, and still the work

of destruction is continued. Young trees which, in a few years would come into the market are slashed down with the most shameful and wasteful extravagance, and larger trees are left to rot in the forest after having been stripped of the bark. In California, one of the handsomest trees in the state, known and designated as chestnut oak, is being sacrificed in the same ruthless manner. This slaughter is being accomplished in both cases to satisfy the demand for bark for the purpose of tanning. The leather business has been unusually good for a few years past, and the consequence is that over large districts in different states, oak and hemlock is being sacrificed in the interest of present pecuniary gain, the trunks being peeled and then left to decay. Some action to prevent such wanton destruction is demanded.

Russian Export Duty on Wood.

The following appears in the *Timber Trades Journal*:—

SIR,—Can you inform me what foundation there is for the rumor that a duty will be put on all timber exported from Russia next season? My Cronstadt representative writes me, under date October 7th, that nobody there knows anything about it. However, as the Russian Custom House has this season compelled us to specify the value of goods exported by each ship in the declaration now required by them, and the Gild Papers Commission, in going their rounds, are requiring from each shipper a schedule of his last year's exports, with values, &c., there may be some truth in the report.—I am, &c., J. R. BOYCE.

Granite Wharf, Wapping, E., Oct., 19th.
[We have no further corroboration of the above report since our last notes on the subject; but, as there is no smoke without a fire, we may conclude that something of the nature referred to by our correspondent is on the tapis. The large increase in the trade in timber with Russia the last ten years has no doubt been taken into consideration by those in authority as a means of increasing the revenue.—(Ed. T. T. J.)

Lumber Business.

In speaking of the increasing importance of the lumber business at Duluth, the *See*, of that city, is very exuberant, as it is probably warranted in being. It says "there will be between seventy-five million and one hundred million feet of logs come down the Nenadji river next season. There have been contracts for that amount made already. This is a good instance of the growth of the lumber interests of Duluth. This amount would almost cover the entire cut of this season here, while last year only about one-third of the supply came from that river; should the supply from all the other sources increase as on the Nenadji there must necessarily be a very large increase in the lumber business in Duluth next summer."

Veneers and Panels.

The enterprising and wide-awake city of Grand Rapids, Mich., is to have a new wood-working establishment in the shape of a veneer and panel manufactory, which will answer to the name of the Grand Rapids Veneer & Panel Company. The building, which is already up, is a large one, and new and heavy machinery will be used. The veneers will be cut from the log, and will be an eighth of an inch thick. For panels these veneers will be glued together. The stock of the company is owned principally by the furniture men.

Consumption Cured.

An old physician, retired from active practice having had placed in his hands by an East Indian Missionary the formula of a simple vegetable remedy for the speedy and permanent cure of Consumption, Bronchitis, Catarrh, Asthma, and all Throat and Lung affections, also a positive and radical cure for General Debility and all nervous complaints, after having thoroughly tested its wonderful curative powers in thousands of cases, feels it his duty to make it known to his fellows. The recipe, with full particulars, directions for preparation and use, and all necessary advice and instructions for successful treatment at your own home, will be received by you on return mail, free of charge by addressing with stamp or stamped self addressed envelope to

DR. J. C. RAYMOND,
164 Washington Street, Brooklyn, N. Y.

The American Hotel,

BARRIE, ONT.

Collier Street, Adjoining the Market.

RATES REASONABLE, CENTRAL LOCATION.

FREE BUS TO AND FROM ALL TRAINS.

For Every accommodation for Commercial and LUMBERMEN.

W. D. McDONALD, Proprietor.

BARRIE SAW WORKS

JAMES HAGUE.

Circular, Cross-Cut & Machine Saws

Gummed and Hammered on Short Notice.

St. 24

Shop in Sewrey's Foundry, BARRIE, Ont.

J. T. LAMBERT,

Lumber and Commission Agent.

ORDERS FOR DIMENSIONS AND ALL OTHER

KINDS AND GRADES OF

American Lumber

PROMPTLY ATTENDED TO.

Timber Limits and the Square

Timber Trade a Specialty.

Office, Wellington Street, OTTAWA. 1111

IRWIN & PHILP

Commission

Lumber Dealers,

FORWARDERS,

Shipping & General Agents

PORT HOPE.

1111

EARS FOR THE MILLION

Foo Choo's Balsam of Shark's Oil

Positively Restores the Hearing, and is the only Absolute Cure for Deafness known.

This Oil is abstracted from peculiar species of small White Shark, caught in the Yellow Sea, known as CARHARODON HODOKETII. Every Chinese fisherman knows it. Its virtues as a restorative of hearing were discovered by a Buddhist Priest about the year 1410. Its cures were so numerous and many so seemingly miraculous, that the remedy was officially proclaimed over the entire Empire. Its use became so universal that for over 300 years no Deafness has existed among the Chinese People. Sent, charges prepaid, to any address at \$1.00 a bottle.

Hear What the Deaf say!

It has performed a miracle in my case. I have no unearthly noises in my head and hear much better.

I have been greatly benefited. My deafness helped a great deal—think another bottle will cure me.

"Its virtues are UNQUESTIONABLE and its CURATIVE CHARACTER ABSOLUTE, AS THE WRITER CAN PERSONALLY TESTIFY, BOTH FROM EXPERIENCE AND OBSERVATION. Write at once to HAYLOCK & JENNEY, 7 Dey Street, New York, enclosing \$1.00, and you will receive by return a remedy that will enable you to hear like any body else, and whose curative effects will be permanent. You will never regret doing so."—Editor of *Mercantile Review*.

To avoid loss in the Mails, please send money by REGISTERED LETTER.

Only imported by HAYLOCK & JENNEY.

(Late Haylock & Co.)

SOLE AGENTS FOR AMERICA. 7 Dey St., New York. L11-w22-1y

E. S. VINDIN,

Commission, Shipping, Forwarding and General Agent.

LUMBER MERCHANT

Office, Tompess's Block, Port Hope. 111

J. K. POST & CO.

LUMBER MERCHANTS

And Shipping Agents.

OSWEGO, N. Y. 111

CHOPPING AXES

(Made to Order and on hand.)

MILL PICKS DRESSED in a first-class style. Those shipped by rail will be returned promptly.

For Lance Tooth Saws Gummed. AXES WARRANTED.

St. 24

W. HERLIHEY, Lindsay.

D. S. BRIGGS,

9 TORONTO STREET, TORONTO.

WHOLESALE DEALER IN

Clear, Pickings, Common and Hardwood

Lumber, Lath, Shingles, &c.

BILL STUFF CUT TO ORDER. 111

J. L. Goodhue & Son

MANUFACTURERS OF

Leather Belting!

—AND—

Patent Lace Leather.

DANVILLE, P. Q. 111

There is no excuse for suffering from **CONSTIPATION** and a thousand other diseases that owe their origin to a disordered state of the Stomach and Bowels, and inaction of the Digestive Organs, when the use of

DR. HENRY BAXTER'S MANDRAKE BITTERS

will give immediate relief, and in a short time effect a permanent cure. After constipation follows Biliousness, Dyspepsia, Indigestion, Diseases of the Kidneys, Torpid Liver, Rheumatism, Dizziness, Sick Headache, Loss of Appetite, Jaundice, Apoplexy, Palpitations, Eruptions and Skin Diseases, etc., all of which these Bitters will speedily cure by removing the cause. Keep the Stomach, Bowels, and Digestive Organs in good working order and perfect health will be the result. Ladies and others subject to SICK HEADACHE will find relief and permanent cure by the use of these Bitters. Being tonic and mildly purgative they PURIFY THE BLOOD

by expelling all Morbid Secretions.

PRICE 25 CTS. PER BOTTLE.

For sale by all dealers in medicine. Send address for pamphlet, free, giving full directions.

HENRY, JOHNSONS & LORD, PROPS.

MONTREAL.