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voted to the Lumber and Timber Industries published in Canada. The only Newspaper (

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VOL. 2.

PETERBOROUGH, ONT., JUNE 1, 1882.

NO. 11.

AT the American Forestry Congress a resolution was adopted favoring the establishment of United States, similar to the Gorman plan, and | Quebec the following interesting information .urging that Agricultural Colleges should take an active part in the work.

almost all sections of the southwest, has been crected at Poplar Bluff, Mo., on the line of the St. Louis & Iron Mountain railroad. The grain of this wood is said to be very fine, and when relished, remarkably beautiful.

COMMENDABLE zeal for tree planting was shown in Ohio, among other states. It took the novel form of proclamation by the governor, in houses, or, when practicable, in groves,

WILLIAMS, JEROME & BROWN are surveying constructing a canal from the east branch of the Au Gres, above the bar, to Canada Creek, in order to facilitate the getting out of logs on the east Branch, and also surveying with a view, if the canal is not feasible, of building a railroad from the east branch to the bay.

THE Northwestern Lumberman says about 100,000 rolling-pins were lately corded up on Bear river, at the foot of Mitchell street, Petoskey, Mich. That amount of rolling pins means Besides, it means a utilization of northern

THE Thorold pulp mill have added many adfor its commodity. Among the additions is another water wheel 12 feet in diameter, which will give 20 feet head additional water, and two Another question of importance directly contact that of the neighbouring countries of Norway sets of stones have to be put in, to take the place nected with the preceding is that of restoring and Sweden. The radius of the forests of of two which were recently broken. These im. and keeping up our forests. provoments are calculated to double the capacity of the mill.

in seeking the best now, much that is really and 1874. good and varaacto is ruthlessly destroyed

QUEBEC FORESTS.

We find in the annual report of the Commisexperimental stations of forestry throughout the stoner of Crown Lands for the Province of

On comparing the receipts of the present year especially those from the Crown Lauds, main forest. This law further adds :-Woods and Forests, Mines, etc., -with those of territories so set apart shall be reserved for the A factory for the manufacture of furniture the preceding years, it will be perceived that a vencering from gum wood, so abundant in very considerable increase has been derived from the same sources. Since confederation. the woods and forests have not yielded so large an income, the mean revenue having been \$393,910 (and the annual revenue since 1875 having been even below the average.) The same may be said of the Crown Lands.

The main cause of increase in revenue is due. not only to the present prosperous state of the province, but also to the more strict attention accordance with a resolution adopted by the on the part of the department, and the adoption legislature, advising people to turn out on April 27 of more efficacious measures for the protection to plant saplings by the roadeides, around their of our woods and forests, and the collection of the revenues derived therefrom, as well as these arising from the sale of lands. Competent bushrangers have been appointed in every part for the purpose of ascertaining the feasibility of of the Province where they were most needed; and I am happy to state that their services have been very useful from all points of view.

The Act for the protection of forests from fire has received my particular attention, and with ... iew to prevent the recurrence of fires such as have at times laid our forests waste. I have taken measures to have the provisions of the law better known, and have instructed all timber and land agents, all forest-rangers and gameoverseers, to see that it is strictly enforced. The Province of Quebec has been happily proa vast development of woman's muscle before destroyed vast timber limits in the Province of the 100,000 dough mashers are worn out Ontario and the United States. This protoc-Michigan timber in one of the many peculiar tone of our woods and forests is undoubtedly one of vital importance to the Province, not Petersburg, has prepared a report upon the merely from economic and climatic points of new, but also with regard to the revenue. I facts and figures. ditions to their mill to meet the large demand | have, therefore, been careful to give particular | northern regions of Russia, and particularly the attention to this part of the duties devolving upon me.

We have not yet, as in parts of Europe, es. 197,100,000 acres, it is estimated.

decreed in 1875 that it should be lawful for the Lieutenant-Governor in Council, upon the reecommendation of the Commissioner of Crown Lands, to set aside certain portions of the forest lands of the Crown, vacant at the time, to reproduction and culture of timber, and shall be worked and managed, and the limber thereon be cut, as shall be ordered from time to time by regulations made by the Lieutenant-Governor in Council.

Up to the present time, the Department of Crown Lands has not deemed it necessary to give practical effect to the provisions of this law. but its importance is likely to become evident at no distant date.

There can be no doubt that the value of our woods and forests must increase year by year; and I do not hesitate to say that the greatest care and prudence should be exercised in the sale of our timber lands. It is true that two sales have been held since I have been in charge of the department, but in both cases there were strong reasons for such action, which was also in the public interest. A comparison of the werage price obtained at these two sales with those obtained in former years is sufficient to convince anyone that the value of our forest lands must increase annually.

It is proper to remark that the receipts from woods and forests for the year embraced in this report were not effected by the change or slight increase of the timber dues lately made. The offect of this change will only be felt in the fiscal year ending 30th June next.

THE FORESTS OF RUSSIA.

The United States consulate-general, of St. timber trade of Russia which is replete with The wood trade of the basin of the White Sea and its affluents, is pronounced excessively slight in comparison with Vologda and Archangel has a superficial area of

pecially France, adopted any system of tree. The wooded regions of Sweden cover an area culture. This question was brought before the of some 40,500,000 acres, and those of Norway THERE are probably no more valuable forests American Government, by whom Mr. Franklin 10,200,000 acres. Notwithstanding the fact in the world than those of Oregon, Washington; B. Hough was commissioned to obtain all the that the figures show Russia to have consider Territory, and British Columbia. The yellow information that could be procured on the sub- and over twice the estimated radius of area, the fir, which grows there to a great height and ject; and in 1877 this gentleman submitted an wood exports of these countries differ to the ex luxuriance, scarcely has an equal for shipbuild- elaborate and very interesting report. The tent that the two Russian governments export ing. The supply at present is very abundant, I nited States Government has not yet, to my 124,000,000 cubic feet, and Sweden and Norway accessable; but there is danger that waste will knowledge, adopted any general system of export 1,200,000,000 cubic feet. Only a minor who live intest have their timber furthest, and prairies, in accordance with laws passed in 1873, 000 cubic feet, Swedish, 200,000,000, Norwegian, \$2,891,000 cubic feet. The export of the become arid and un.
The Legislature of the Province of Quebee, Northern ports of Russia, is accordingly 94 sestern Lumberman.

times less than that of the Norwegian ports, and 88 times less than that of the Swedish ports, in face of the fact that the Russian governments passess nearly five times as much new land as Sweden, and 123 times as much as Norway. The export of forest products from Sweden is even superior to that of all Russia, which is but 637,000,000 cubic feet. The revenues of Sweden from this source, largely increased each year during the past decade, now amount to 229,000, 000 francs.

The most striking fact in the Russian wood export trade is that the largest export comes from the less-wooded districts, for while these districts export 122,715 cubic feet per acre, the northern governments export but 8,451 cubic feet per acre. With Russia there has been an immense falling off in export during the last soven years.

In order to increase the revenues to be deriv ed from wood, it is unnecessary that the raw material should be worked up on the spot. In Sweden, in 1871, there were only seven manu factories of wooden articles, but five years thence the number was increased to 29. The governments of Valogda and Archangel possess but 11 saw mills, whereas in Sweden there are 1,350. The great m: f the imperial forests of Russia are concern, ..ed in the northern and northeastern at the north of the Volga and Kama, and on the right bank of the Volga, in the Government of Limbirsk. The governments richest in forests yield the least average income. Northwestern Lumberman.

FOREST PRESERVATION.

Senator Sherman, of Ohio, has introduced into the senate a bill for the preservation of the woods and forests of the national domain adjacent to the sources of the navigable rivers and their affluents in the United States. It pro vides that all the public timbered lands adja cent to the sources of the navigable rivers and their affluents be withdrawn from public sale and entry, that Major General Wright, chief of the corps of engineers, United States army, Major General William B. Hazen, commanding the signal corps, Dr. George B. Loring, commissioner of agriculture, and Professor Spencer F. Baird, secretary of the Smithsonian Institution, shall form a commission for the examina tion of the subject of the preservation and cultivation of woods and forests adjaining the sources of the navigable rivers and their attenonts, for the purpose of preserving the same and increasing their growth by planting there, and along the source of these rivers where land is timberless, so that the rivers may be kept in a navigable condition by promoting a continuous change the present abundance into scarcity forest restoration. There have only been a few portion of this wood is experted abroad, the supply from their sources and affluents, the fact before many years. The rule is: "Let those attempts made in that direction on the western amount being. - From White Sea ports, 10,775, having become universally known that the le struction of the woods causes all countries to become arid and unprofitable deserts, - North

ALGOMA FORESTS.

The Thunder Bay Sentinel writes as follows: During the past winter a number of our enterprising citizens formed themselves into a com pany or rather joined together in an informal manner, and formed a fund for the purpose of paying the expenses of sending out a number of exploring parties, whose mission it was to hunt up tracts of timber land.

Three separate parties were made up, and spent the winter in the woods, in different directions, returning towards spring with good One of the exploring parties reported the discovery of a pine forest, covering 4,000 acres of land, and a number of smaller tracts of valuable timber lands. Another party made a discovery of an immense tract of land which was not very far from the coast, and well timbered throughout. A survey of a portion of this has been forwarded to the Crown Land Office to secure it, and we understand further surveys will be made, and larger tracts of it secured at

The third party were also successful in finding a number of small tracts of pine lands and other tracts well wooded with tamarack, birch, poplar, maple and cedar, all of which will come in useful in various ways.

These discoveries have been made within a radius of 50 or 60 miles of Prince Arthur's Landing, which is but a small area in a district of over 400 miles in extent. It is of sufficient importance to the country to prove that all who claim to know so much of the barren wilderness of Algoma, know but very little of it, in fact know nothing of it whatever, and have merely surmised from seeing a rocky and apparently barren coast, that such is the nature of the country inland.

The Sentinel has always refuted any statement regarding the barren nature of the district. Many explorers have met with tracts of excellent land, suitable for farming purposes. In the regions of Black Bay and Nepigon there are large tracts of as fertile land as can be met with in the richest portions of Ontario, while in the neighbourhood of P. A. Landing, in the townships of Oliver, McIntyre and Neebing there are lands (Free Grant some of them) which are unequalled for strength of soil, and also to the west in the townships of Blake, Crooks and Pardee, are found large tracts of pine lands, which were mostly taken up years ago by speculators, and some are now being used for the lumber supply of this region. The inland portion of Algoma is but little known, but enough is known of the country within a radius of say 75 miles of P. A. Landing to prove that its forest wealth is no small item of value to the district, and with continued explorations, we may look for further important discoveries in this direction.

A NEW FIELD.

The importance of the immense demand for lumber that is springing up, and will continue to expand, in the new Northwest that lies on both sides of the British line, stretching westward from the Red River of the north 500 to 600 miles, through almost a timberless region, cannot be overestimated. Pertinent to this conclusion, it is well to note the progress that as being made in the construction of the Canadian Pacific railway. There is now under contract, and to be completed by September 1 next, sections of the line as follows .

From Thunder Bay to Winnings
Rembina branch, from St. Vincent to Sione Fort.
Pembina mounta n branch
From Winnings to present end of track.
Under contract for completion this season to Calgarry 600

tams, boo miles west of Winnipeg. The country

which will be studded with villages and cities It does not require a stretch of unagination to see how this settlement of a vast timberless area of rich agricultural and grazing lands will call for lumber. Is it any wonder that the northern tumber manufacturers are in such a blissful state of satisfaction now-a-days!-Northwestern Lumberman.

SIX MONTHS' EXPORTS.

In February last a return was requested by the House of Commons of the quantity and value of the exports and imports of the Dominion (by Provinces) for the six months ended 31st December, 1891.

The following are the exports of forest products returned for the six months in ques

QUEBEC EXPORTS.

1	4 MANUEL B	**1 0V10*	
١	1	Quantity.	Value.
1	Tanbark		8 174,40
Ì	l DCals	. 70.767 S. hun.	2,010,15
١	Deal ends		97.30
1	Deal endsPlanks and boards	64,919 21. ft.	97,394 686,373
1	Staves and headings	. 440 "	32,300
Į	Standard stayes	296 M.	18,32
Ì	R. R. Ties, &c	93,310 pcs. 172 tons	60,480
1	Birch timber	172 tons	52.97:
Į	LIII "	15.063 "	157,35
ł	Maple "	842 **	11,244
ł	White Pine lumber	103 007 **	651,015
Ì	Pad Dine "	100,001	1,890,608 169,400
Ì	Hanto enters	979 005 lhe.	20,365
Ì	Red Pine Maple sugar. Pot and pearl ashes	272,095 lbs. 7,057 brls.	194,626
l			441
Ì	ONTARIO E		
Ì	Firewood	78,470 cords	\$140,717
ı	Hop and other poles Other logs Laths and palings	*****	73,917
Ì	Cak logi	4,003 M. It.	64,415 51,770
ì	Other logs	17,358 **	51,770
l	Laths and paings	45,600 "	49,0%
í	Planks and boards Staves and stave bolts	324,54	3,859,803
ı	Shingles	32,355 "	115,280 75,237
l	D 12 The etc	9936 pcs	203,959
l	R. R. Ties, etc Sugar Box Shooks	54.953	12.558
l			44-14-0
ł	NOVA SCOTIA		
١.	Firewood	26,972 cords	3 87,206
١.	DC218	95,485 s. hund.	
į.	Planks and boards	29,505 M. ft.	60,703
ľ	Birch Timber	6,094 tons	29,451
١.	NEW BRUNSWIC		
•	Tanbark	8,280 cords	8 43,165
I,	Deals	95.485 g. hun.	2,419,871
ш	Deal ands	4 K7A 44	78.734
	Laths and pickets	60,711 M. ft. 16,722	60,705
	Planks and boards	16,722 "	135,107
		7 595 11	51.815
	R. R. Ties and alceners S	377,691	39,449 27,216
	Sugar-box shooks	49,972 6,217 tons	27,216
	Birch Timber White Pine Timber	6,217 tons	39,187
	waite I'me Timber	2,500 "	20,047
	PRINCE EDWARD IS		
1	Deals and deal ends	923 s. hund.	\$14,315
	BRITISH COLUMB	HA EXPORTS.	
ŧ	Planks and boards	10 909 Nt 1t	C107 R50
ĺ	Latha and pickets	1,638 11.	8187,059 4,374
	Recapitulation of six		
(Canadian forest products	for the latter	half of
	1881 :—		
•			lue
	0-4-24		-
	Ontario	7.66	12,498 18,715
	Remember	2.0	8,715 8,973
	Nova Scotla	98	3,002
	British Columbia	19	1,033
	P. E. Island		6,095
	-		

PRESERVE THE FORESTS.

..... \$18,632,216

In discussing the recent forestry congress at Cincinnati, the American Engineer, after giving the names of the officers of the association then formed, says:-It is to be hoped and expected, from the array of names presented above, that something more than the mere formation of the association will result, for it is high time that laws were created, and means perfected for executing them, to prevent the wholesale and ruthless destruction of our woods and forests, which a profitable product in the hands of unscrupulous individuals and corporations has hitherto induced. No considerations whatever, whether on sanitary, meteorological or æsthetic grounds have as yet hindered this persistent denudation of our timber lands, a denudation not carried on in the light of an economy which an uitimate principle in the operations connected with the

other worthy propositions. is not the great end in view, however, for if the efforts of scientific research foretell truth, hygienic and meteorologic principles are involved bearing largely upon the welfare of our growing population, and while it may be well to support a great industry, it is surely better to provide for the good of the people generally, which we believe will be promoted by prompt and energetic attention to the forestry claims of this vast continent.

QUEBEC TIMBER LANDS.

The Quebec Chronicle, in an article on the esolutions granting land to railway companies,

has the following: "The public domain of this province may be roughly classed under two heads—rands fit for agricultural or colonization purposes, and held for that object, and lands generally not well adapted for colonization, but valuable for mercantile purposes from the timber with which they are clothed. Both classes, in a sense, belong to the Crown, which, in the former case, holds them as absolute property, and in the latter case, subject to the tenure or rights of the licentiates or holders of the timber licenses. And these rights have been carefully defined by statue, by orders-in-council establishing regulations for the Crown Land Department, and by judicial interpretation in the courts of both pro vinces. Without going into detail, it may be asserted without fear of contradiction, that the limit-holder, so long as he pays the ground rent for his limits and the stumpage on the timber cut by him, is entitled, as the law now stands, to the yearly renewal of his license in perpetuity with the single exception of the case of lots included in his licanse, being taken up by tona fide resident settlers, for colonization purposes, which lots the Government are properly enough bound to exclude on next renewing his license. And this risk, the risk of bona fide settlement by families taking up lots of say 200 acres each, the limit-holder by the term of his contract agrees and is content to run. That this is the true view of the law on the question, no one at all conversant with the subject can for a moment doubt. The licentiates of timber berths in this province, therefore, at the present moment, hold property in these berths-valuable property, for the security of their tenure to which the faith of the Crown has been pledged in a hundred different ways, and which in many instances they have bought at large prices from the Crown Land Department itself, at public auction sales held in its very offices. To give one instance out of many of Government recognition of the licentiates property in limits, the regulations of the Crown Land Department provide that they may be pledged in their books for advances. and as a matter of fact this provision is daily made use of to a large extent. On the faith of this tenure, not only have immense sums been paid for limits both to the Crown at public sales and to private individuals, but the holders have further gone to great expense in improving creeks and rivers, constructing slides, building roads, opening up farms, to enable the lumber to be got out and brought to market, and in building mills for its manufacture when got out. It is needless to state here what lumberers and the lumber tinde have done for the development of this country, but we may say that, setting apart the Dominion subsidy and confinm6 ourselves to local revenue, derived purely from local sources, the lumber trade, in ground rents, stumpage, Crown dues, etc., etc., contributes between one-third and one-half of the total income of the Province.

EVIDENCES OF A FIRMNESS.

The following circular issued by Gardner, Spry & Co., lumber dealers at Chicago, is a protty reliable index of the future of the lumber

The lumber trade under such circumstances, they desire the benefit of a falling market to Luy on, if the wholesale market declines in sympathy with the yard movement

That little werd "if" is what breaks their hearts. To a disinterested person, he present situation would indicate anything but a decline. The well known shortage of the log cop, together with the disastrous and prolonged strike at Muskegon (the largest lumber manufacturing point in the world), will surely curtail the supply 40 per ent. over last year. This, in connection with good crop prospects, and up to date, the largest demand over known, cannot fail to make a firm or advancing market.

BOARD OF TRADE RETURNS. MONTH ENDED 30TH APRIL, 1882.

Timber (Heum).	Quantity Loads.	. Value.
Russia Swoden and Norway	. 11,509	22,080 153,479
Germany	62.017	170,765
United States		52,071
British India British North America	7,633	95,827
Other Countries	32,252	640 33,452
Total	222,065	533,313
Timber (Sawn or Split, Planed or Dressed).		
Russia Sweden and Norway	16,082	33,459
British North America	160,335	193,353
Other Countries	20,700	22,689 121,498
		121,995
Total	-	670,999
Staves, (all sizes) Mahogany (tons) Total of Hewn and Sawn	16,512	75,003
Mahogany (tons)	. 3,399	33,983
Total of Hewn and Sawn	418,265	1,204,812
PGCE MONTHS ENDED 30711	APRIL, 188	2.
Timber (Heren).	•	32.
Timber (Heren).	•	43,600
Timber (Heurn). Russia Swoden and Norway	18,673 .184.543	43,600 277,702
Timber (Henn). Russia Swoden and Norway Germany	18,673 184,543	43,609 277,702 202,784
Timber (Heurn). Russia	18,673 .184,543 62,192	43,600 277,702 202,734 165,908
Timber (Heurn). Russia	18,673 .184,543 62,192 48,974 23,108	43,600 277,702 202,784 165,908 292,019
Timber (Henn). Russia Swoden and Norway Germany	18,673 .184,543 62,192 48,974 23,108	43,600 277,702 202,734 165,908
Timber (Heurn). Russia Sweden and Norway Germany United States British India British North America Other Countries Total	18,673 184,543 . 62,192 48,974 23,108 . 1,175 121,023	43,600 277,702 202,784 165,908 292,019 3,877
Timber (Heurn). Russia Swoden and Norway Gormany United States British India British North America Other Countries Total Timber (Saum or Split, Planed or Dressed).	18,673 184,543 62,192 48,974 23,103 1,175 121,023	43,600 277,702 202,734 165,908 292,019 3,877 140,735
Timber (Heun). Russia Sweden and Norway Germany. United States British India British North America Other Countries. Total Timber (Saun or Split, Planed or Dressed). Russia.	18,673 184,543 62,192 48,974 23,108 1,175 121,023 460,506	43,600 277,702 202,77,703 165,908 292,019 3,877 140,735 1,120,584
Timber (Heun). Russia Sweden and Norway Germany United States British India British India British North America Other Countries Total Timber (Sawn or Split, Planed or Dressed). Russia Sweden and Norway	18,673 184,543 62,192 48,974 23,108 1,175 121,923 460,506	43,600 277,702 202,77,703 165,908 292,019 3,877 140,735 1,123,684
Timber (Heun). Russia Sweden and Norway Germany United States British India British India British North America Other Countries Total Timber (Sawn or Split, Planed or Dressed). Russia Sweden and Norway	18,673 184,543 62,192 48,974 23,108 1,175 121,923 460,506	43,600 277,702 202,754 165,908 292,019 3,877 140,735 1,123,584 76,750 604,372 128,217
Timber (Heurn). Russia Swoden and Norway Germany United States British India British Korth America Other Countries Total Timber (Saum or Split, Planed or Dressed). Russia Sweden and Norway British North America Other Countries	18,673 184,543 62,192 48,974 23,108 1,175 121,023 460,506 276,034 51,703 88,070	43,600 277,702 202,77,703 165,908 292,019 3,877 140,735 1,123,684
Timber (Heun). Russia Sweden and Norway Germany United States British India British India British North America Other Countries Total Timber (Sawn or Split, Planed or Dressed). Russia Sweden and Norway	18,673 184,543 62,192 48,974 23,108 1,175 121,023 460,506 276,034 51,703 88,070	43,600 277,702 202,754 165,908 292,019 3,877 140,735 1,123,584 76,750 604,372 128,217
Timber (Heun). Russia Sweden and Norway. Germany United States. British India British India British North America. Other Countries. Total Total Timber (Saum or Split, Planed or Dressed). Russia Sweden and Norway British North America. Other Countries Total Total Staves (all sizes).	18,673 164,543 62,192 48,974 .23,108 1,175 121,023 460,506 276,934 51,703 88,070 452,210	43,600 277,702 202,734 165,908 292,019 3,877 140,735 1,120,684 76,750 604,972 128,217 282,408
Timber (Heun). Russia Sweden and Norway Germany. United States British India British India British North America Other Countries. Total Timber (Saum or Split, Planed or Dressed). Russia Sweden and Norway British North America Other Countries.	18,673 164,543 62,192 48,974 .23,108 1,175 121,023 460,506 276,934 51,703 88,070 452,210	43,600 277,702 202,734 105,908 292,019 3,877 140,735 1,123,584 76,750 604,372 128,217 282,408 1,292,157

FOREST DEVASTATION.

The Sentinel, of Prince Arthur's landing. Ont., in its issue of May 13th, says :-

The annual devastation of our forests has commenced. The fire mentioned in the columns of the Sentinel has assumed immense proportions and is emitting volumes of black smoke, which is settling like a pall over the north end of Thunder Bay. Another fire is also raging on the west side of the town, apparently on the borders of the Townships of McIntyre and Necbing.

In view of this annual destruction of timber. would it not be well for the Dominion Government to cause a searching enquiry to be made into the cause of such conflagrations. These fires must have an origin other than spontaneous combustion, for the frost is hardly out of the ground, and the weather has been anything but warm even this spring, and until within the past day or two there has not been what could be called anything but cold weather.

A punishment ought to be meted out to those who wilfully or carelessly cause such great destruction to our timber, for at the present it is of very great value, and in the near future will be worth to Algoma almost as much as her mineral resources.

\$200.00 Reward :

Will be paid for the detection and conviction of any person selling or dealing in any bogus, counterfeit or imitation Hop Buters, especially tams, but makes a state of the mountains almost unbroken practic. As fast as the road is completed a tide of emigration will flow along its entire length, the rich wheat lands of the practic spring up, very stage of development calling for increased supplies of lumber. Not only this, but namers as lance of the first one projected, and others will be until overy county between the Canadian Pacific and the Northern Pacific will be banded with iron,

E DIXON & CO.



First Prize, Provincial Exhibition Ottawa, 1875



None genuine unless with a STAR on the head of rivets. Send for Price Lists and Discounts

81 Colborne Street, Toronto

TREES FOR THE STREETS.

At the Montgomery, Ohio, Horticultural society, a late discussion turned on the varieties of trees most suitable for planting in the streets, ed were the American and the European linden, the Norway, silver and sugar maples, class, horse-chestnut, and the hardy catalpa. The ing, in which he said: "This city (Newburg) has the same fault as Dayton-trees 15 to 20 feet apart-unsightly when grown, and keeping the street wat and muddy after each rain storn. Manles should be 50 to 60 feet apart, and elms 70 to 80. There is one street in this city where elms are 70 feet apart on each side of the street, and yet the branches touch each other. Some of our readers will remember the wide streets In New Haven, Conn., where the long lines of American elm meet over the centre of the street and suggest the arch-work and tracery of a gothic cathedral, the resemblance to the inter ior of which is quite striking."

DESTRUCTION OF TREES IN SCOTLAND.

The indignation of the people of evenshire when they heard that Baron Lyndon was about to cut down the Hacton woods, was mild in comparison with the rage and grief with which the news of the sale of Lord Huntley's famous Glen Tanar woods has been received in Aberdeenshire. There are considerably over 100,000 trees in these woods, and they are reported to have been sold to a Glasgow firm of timber merchants. Their destruction will considerably interfere with the "amenities" of Glen Tanar deer forest, which is let to Cunliffe-Brooks, M. P. Scotland can ill-afford to lose any more trees at present, for several places have been well-nigh devastated by last winter's gales. At Tyningham and Dunse Castle, the destruction has been prodigious, and at Luss, Sir James Colquboun's place on the shores of Loch Lo mond, some 6,000 trees fell. The Queen will find that her "policies" at Balmoral have lost some of their greatest ornaments and nearly 2,000 trees have been blown down in Her Ma jesty's forest at Ballochbuie. The havoc produced in Mar forest is almost incredible, especially on the north side of the Dec, where the oldest trees were; indeed, the scenery of

the oldest trees were; indeed, the scenery of the river has been pretty well destroyed, and there has been a heavy fall in Invercently Forest.

The Quobee Chronicle says that the two barges Farand, Capt. Francois Desmarais, and Alice, Capt. Joseph Paul, both laden with lum ber for the United States, while on their way up the St. Lawrence, under sail, struck the wreck of the steamer Ottawa near Cap la Rouge, at 2 a.m. on the 11th of May. The captains state that care was no light on the wreck at the time of the accident, and they I re arrived in Quobee and made their protests. The two barges have become waterlogged.

BILK UP AND THE AND AND THE PROTECT IN PROPERTY MINERALLY PROPERTY MINERAL

CHARCOAL.

Mr. J. A. Mathieu, of Detroit, reports to the Northwestern Lumberman that the mill men are showing some interest in the manufacture and in the monthly report was the following:—of charcoal, a subject in which Mr. Mathieu is "The trees which were particularly recommend-interested. He will soon creek sixteen retorts at Luther, Lake County, Mich., where the slabs of the mill of Waterman, Paney & Co. will be reduced to coal. A cord of pine slabs The silver maple and white alm had been found makes sixty bushels of charcoal, that is worth to make a quick growth on strong soils. The at least 6 cents per bushel at point of shipment, most common error in street planting was in and as the slabs can be put through the retorts placing the trees too near together, often even at as small expense as they can be consumed in less than a rod apart, when they should never a saw-mill hell, it is plain that there is a saving be nearer than three rods apart. When thus, worth mentioning. The Lumberman has had a worth mentioning. The Lumberman has had a crowded they were drawn up and distorted in claim on fyle for years that there is too much form, and could not develop their full luxurianc o needless waste of wood in this country, and it Mr. Steele quoted a letter from Charles Down-considers it a matter of public interest when a method or process is discovered whereby this wood, which has been burned in order to get it out of the way, can be utilized. The more charcoal there is, the better iron our furnaces will turn out, and if, in connection with this important fact, the refuse of the mills is a source of considerable profit to the mill men, it takes no arguments to show the value of charcoal manufacture. Mr. Mathieu is also . - ecting retorts at Portland, Oregon.

Sawdust Fuel.

George F. Brott, of Louisiana, and Platt B. Walker, of Minneapolis, have undertaken to solve the sawdust problem by means of a process for utilizing sawdust as a portable fuel, for which they have secured a patent. The process consists simply in mixing the sawdust with peat, the latter forming a cohesive paste, which when dry, results in a solid compound, that cannot be easily fractured, and can be as easily transported as wood or coal. Mr. Brott is now superintending the construction at Philadelphia of the necessary machinery for the purpose.



(HYDRATED OIL.) An artificially digested Cod Liver Oil

For Consumption, Winter Cough, Affections of the Chest and all Wasting Di-

Prescribed by the leading physiciansof England, the United States and the Do-minion of Canada.

A WONDERFUL FACT.

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CASTINGS of every description in Bras-and Iron.

All sorts of MACHINERY for Saw and Grist

STEAM FEED for Circular Save. Also Saw Gummers, Cutters, Double Upset Swages, and all Saw Tools, Send for Price List, 14

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LUMBERING SUPPLIES.

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Old and Worn-out Files re-ground and re-cut by hand, and made equal to the New File for use, at prices that will effect a great saving to all consumers of Files N.R.—Every File (Jumpneted, Pales Little and Pales). N.B.—Every File Guaranteed. Price List on application, and a Sample Order Solicited.

Factory & Office :- Sherbrooke St.

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We will send on 30 Days' Trial

Dr. Dye's Celebrated Electro-Voltaic Belts

> AND SUSPENSORIES. And other

ELECTRIC APPLIANCES

TO MEN

Wood Lumber per Load

Drawn with one span of horses, either summer or winter, on Round Pole Roads, which are cheap and speedily built

The woodwork of the Car can be built by any handy man in a couple of days. The undersigned supply the ironwork complete, including boits and washern and a diagram of car.

The wheels are adjustable on its axies to accommodate itself to any bend in the pole. The weight of ironwork is 2,220 lbs. Price on application to

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ST. THOMAS, Ont.

Patentoes and Manufacturers of Moore's

VOLTAIC BELT CO

VOLTAIC BELT CO.

MARSHALL, MICH

OUR PENCILS.

WHERE THE MANUPACTURERS, FABER & CO., GET THEIR CEPAR.

Cedar Keys is altogether a very levely group isles, often very minute, and the largest not over a mile long. The principal ones are Atsena Otic, Cedar, Piney Point, and Way, Snake and Scahorso Keys, which inclose the port. Scahorse Foy lies at the entrance, and is ninety feet high, the leftiest land between Key West breakwater, and a pedestal for the lighthouse which crowns it. It is encircled by a beautiful beach of soft, creamy sand, and is haunted by various legends. Lafitte, the smuggler, is said, with some reason, to have made this islet one of his haunts in the days of his power.

Atsona Otic, which is an Indian name, was originally inhabited by the Indians, and was the first of the group occupied by the whites. The wigwams vanished when Mr. Parsons, then a quartermaster in the army, caused a house to be crected there during the Seminole war. The timbers were brought there already fitted, as he told me. They began to erect the building in the morning, and at night he slept in it, and on the following day filled it with Government stores. A charming beach, fringed with cabbage palms and palmettoes, encircles the isle, and some picturesque residences are grouped in the centre. But Atsena Otic is also the site of the codar mills of Faber & Co., the famous pencil manufacturer.

This firm was established in 1761, and the present head of the house, A. W. von Faber-he has been ennobled-is the great-grandson of the founder Bavaria; agencies also exist at Vienna, Paris and London, and a very important branch establishment, was founded in New York over twenty years ago, which not only manufactures the cheaper grades of pencil, but also, more recently, gold pens and pen handles of excellent quality. Five hundred different kinds of pencils are manufactured by the Fabers. Most of these depend on two materials for their construction the lead, or graphite, which comes from the celebrated mine of Aibert, in Siberia, and the wood of the cedar tree. To many it will be a surprise to learn that all the cedar employed in pencil making comes from the State of Florida, and is shipped at Cedar Keys. The requisites in wood used for this purpose are a very fine grain, and what is rare with such wood, softness. Red cedar of the best quality possess these conditions. There are many varieties of cedar, of which two are common in the United Of these the white cedar, mistakenly called the cypress, is very common in Florida, and grove to a great height. The red coder grows almost everywhere, North and South, but it is only that which is found in Florida that is available for pencil making, that which grows elsewhere being coarser, more fibrous, and more full of knots. In Florida the red cedar reaches a height of twenty five to thirty five feet, and is divided into the poor quality which can be made into cigar boxes and the like, and the superior sort adapted for pencils. The supply is obtained in the regions watered by the Withlacoochee, the Suwance, and several other streams empty ing into the Gulf of Mexico north and south of Cedar Keys. But as they are all too shallow for ships of large size, the cedar, after being felled in the forests, is hown into square logs, somowhat larger than railroad ties, and taken to Cedar Keys in flat-bottomed schooner rigged droghers, decked over, and of light draught. At Cedar Keys the legs are made into rafts, and floated out to ships which anchor off Seahorse Key when drawing too much water to enter the port. The Fabers control over half the supply, and ship all the pencil boards which go to Europe, whether for their own or other pencil factories. These boards are all sawn at the mill of Atsena Otio by a very delicate pro-They are the exact length of the pencil, and of two thicknesses -one for the groove into which the graphite is faid, and the other to lay over it and complete the pencil. The amount shipped annually averages one million cubic feet, trummed and ready to be made into pencils and boxes.

It is evident that this traffic gives a bustling air of thrift to Codar Keys, quito unusual in a \$4 to \$5 a day. The process of ebonizing cherry

Southern son-board town. The negroes employed in it are a shrewd, comical class. I was particularly interested in one old fellow who was mending his mainsail, and singing Methoof islands, numbering between thirty and forty dist hymns to himself on a pleasant spring morning. His children played in the sand and chatted to him the while, and his nondescript hat near by on the beach was more picturesque than elegant.

Besides the cedar traffic, Codar Keys is every year gaming in importance as a distributing and Pensacola. It seems placed there as a port for the turtles, the oysters, the oranges, and the vegetables found on the west coast, or grown at Tampa or Silver Spring. The turtles alone are worth \$10,000 annually. As a railroad and steamboat terminus, and the starting point of a proposed fast mail line to Cuba, which would meet a certain demand, it seems to have the promise of a wing prosperity. A few good hotels wome also make it an attractive resort in winter, as it is healthy at that senson. The Indian or shell mounds of Cedar Key should also be mentioned as objects of much scientific interest. Composed entirely of oyster shells, and containing remains of pottery, rising to a height of from thirty to sixty feet, and overgrown by live-oaks or vines and palmettees, the question of their origin will long continue a problem to the geologist or archeologist.

FINE FINISHING.

More attention is now being given throughout the country to the artistic finishing of houses and fine business structures, and more expert carving is done for the purposes named, the appearances indicate, than in the manufacture of furniture, which industry for a long time laid The manufactory is at Stein, in claim upon the greater share of this class of mechanical talent. The reasons for this may not be fully self-evident or patent, but it would seem that it is largely because the real value of hardwood in this direction had never been fully realized or understood in this country, and because, also, the real high art in decorative ar chitecture is scarcely native to American ingenuity and talent, which is famous ir other ways, since there are oriental splenders in building and interior display in the palace-like habitations of many a pagan, or uncivilized native which would never have been deemed possible of execution by our own designers, however ar tistic their eye, or however deft their touch Processes and appliances for producing excellent results are known to many European workmen, in whose breasts the secret of such achievements is firmly locked. During the past few years many of these expert operatives in wood-carving have sen forced to the shores of America. as it were, through the unsatisfactory state of affairs in their own countries, and their superior abilities have begun manifesting themselves in the wood manufacturing industry of this country, and, latterly, to a very marked extent, so that a renaissance in wood-carving may be fairly said to have resulted. The importation and employment of this class of talent led to a res ponsive sentiment in the community, or such channels of it as evidenced a sufficiently refined or artistic taste to appreciate and encourage a sensible and utilitarian form of art, which was experiencing an important enhancement of its excellence, and now quite a pronounced stim ulus has been given the industry of wood-carv ing, more particularly for house finishing.

The Scientific American says regarding win arving in New York, that a marked and rapid mercase has been made during the past 10 years in the demand for fine wood-carving, and with it a corresponding increase in the number of skilled workmen employed. Ten years ago the 100 skilled wood-carvers in the city were almost wholly engaged upon fine furniture. Now nearly 600 carvers are at work for two firms, and as many as a 1,000 accomplished artists find emplayment in the city, the larger part of them upon the interior decoration of houses

A writer for the Evening Post, who has lately investigated this (for them) new industry, says that the rapid immigration of skilled carvers from Europe has had the effect of reducing wages considerably, yet they are still good. The very finest workmen, especially those in presession of some secret processes of doing difficult work, receive wages as high as \$8 a day. The average pay of good wood-carvers is from

wood, for instance, used by one of the firms visited, is a secret known only to the workman who does it. Even the members of the firm have no right to ask what his secret is. The fact that he can get a finer, more abony-like surface than any other man gives him a high value at once. Although the use of mechanical de vices for carving wood are so much disliked by the best workmen that sandpaper is forbidden, machinery is now used to cut away the rough parts of a bit of carving. A poculiar tool driven by steam power eats out the wood wherever it goes, and thus a skillful man blocks out in a rough way as much work in a day as 20 men could have done formerly.

The delicacy and lightness of wood-carving, and the pay which good workmen receive for it, have already attracted many American appren tices, who, untransmeled by union rules, are making rapid headway, and promise to surpass the foreigners. Northwestern Lumberman.

LOGGING RAILROADS.

The Northwestern Lumberman, in answer to a correspondent, gives the following information regarding logging railroads :-

It is now conceded that the primitive method of logging with sleds on snow or iced tracks is too costly and inconvenient for modern views. Sledding, necessarily practicable only in the winter months, is liable to failure with the increasing changeableness of the seasons, and is in terrupted at times by a scarcity of snow and at others by an over-abundance. Other devices have been used for hauling logs, and on a small scale it is practicable to use poleroads and animal power: there have also been constructed for use on wooden or iron rails various steam machines of different degrees of badness, which, by reason of defective design or construction, go to pieces after one or two years of patching and tinkering, and then give place to properly built light locomotives.

The best gauge of track for logging railroads is 36 inches, unless connection is to be made with a main line. The standard 563 inches gauge is entirely practicable and costs very little more to build, except when heavier care and rails are needed. In the south the 60 inch gauge is used. Old gauges are to be avoided, as the rolling stock is almost unsalable. gauge is the space in the clear between the

The best rail is T iron, of the weight demanded by the amount of business to be done. Rails from sixteen to thirty pounds weight are commonly used The best pattern of rail has a wide head. A lighter weight of rail may be used if laid on a stringer, in which case reversed point spikes are used, and the stringers should be tied across by flat pieces let in on their top faces to prevent rolling or spreading. Wooden rails can be used, and if the labor of keeping them renewed is not objected to, are desirable because cheap, but are only fit for a small business, or for temporary use on branches. A locomotive can only haul about half as much on wood as on iron, and snow and ice are hard to clear off a wood rail.

The cost of track for a logging railroad de pends very much on the location and the char neter of the country traversed. The following estimate may serve as a guide for the cost per mile of a light road with 16-pound rail, suitable for a six-ton locomotive on four driving wheels: Rails, 16 lbs per yard, 25 and one-seventh tons

Cross thes, two feet between centres, 2,640 at 10 cents 264 00 four to each tie, 3×2, 1,710 lbs at 4 Snike cents

plices, allowing rails 24 feet long, 440 joints, at 25 cents. 68.40

\$1,950 97 Allow for clearing, grubbing, track-laying, timber for cribbing, &c., \$500 to \$1,000 say 750.00 Total..... 82,700 97 For a road with 24-pound rail, suitable for an ight ton incomotive on four drivers

\$2,005.64 Pikes, four to each de, 4 - 1, 3,520 lbs, at 3; cents 264.00 123.20 ces, allowing rails 23 feet long, 378 joints, at 23 cents

Allow for clearing grubbing, track-laying, etc. 82,691.88

locomotive weighing about twelve tons, on four drivers:

at 855
Cross-tics, two feet between centres, 2,010 at 12 cents
Spikes, 44×3, 3,000 pounds at 33 cents
Spiles, allowing rails 28 feet long, 378 joints, at 30 cents

Allow for clearing, grubbing, track-laying, etc. 1,000.00

The cost of hauling logs by light lecomotives

113.49

on iron rail, recluding interest and depreciation and all expenses, varies from about 30 cents to 60 cents per 1,000 feet, according to the length and general character of the road, and the amount of business. The daily cost of operating one locomotive, including the wages of an engineer and the cost of fuel, oil and repairs, is not far from \$5 per day. No fireman is required on most logging railroads. The cars used may have four or eight wheels, the latter being preferable, and for hauling long timber, two four wheel truck, with an extension bar, are used for each length of logs. There should be enough cars for two trains, one to be loading while the other is on the road, so that the locomotive need not wait for cars to be loaded. The unloading can be done so quickly as to cause no delay.

A logging railroad often pays for itself in loss than a year. In case of a failure in sledding or of windfall or fire, a logging railroad can be put in and the logs saved. When prices are high the output can be doubled without additional investment by running 24 hours per day; or when prices are low and operations suspended, all expenses are stopped. The entire outlay for steam logging railway with iron rails, is generally about 50 cents for each 1,000 feet of lumber readily reached by it. When the tract is cut off the road may be moved to another tract at slight expense. Tracts that were considered of little value and inaccessible under the old style of logging, are utilized and made a more profitable investment than lands nearer streams that are held at higher figures. Logging railroads solve the problem also of the profitable production of lumber where the cost of moving logs as the haul increases in length with each season's cut, since logs can be hauled 10 to 15 miles by loco. motives cheaper than they can be sledded for short distances. This low cost of transportation enables poorer grades, which would otherwise be left to rot in the woods, to be marketed at a good margin.

The best locomotive for logging reads must be of simple design; strongly and durably made with a liberal use of steel and wrought iron, and of such construction as to be quickly and cheap. ly repaired, which is attained only by a thorough system of duplicate parts requiring a heavy outlay by the builder. There is no service requiring reliable, well-constructed and properly designed locomotives, more than is required for the severe work of logging railroads, and no place where a cheap locomotive is a more costly investment. It needs no argument to demonstrate the folly of saving a few hundred dollars in a motive power, and by so doing run a constant risk of breakdowns and of enforced idleness of a camp of men, and of failure to fill contracts

A Paper House.

In the Sydney Exhibition there is a house built and furnished throughout from paper. The structure is one storey high, and its skele ton is made of wood. The exterior is moulded in cartonpierre, whilst the exterior is covered with the same material, being plain on the floor forming splendid arabesques on the walls, and moulded in imitation of plaster on the cailings. The doors, cupboards, and shelves are of the same material, whilst the catire furniture, including chandeliers and a stove, in which a fire can be lighted, is made of papier macha. The carpets and curtains are of paper, and there is a bedroom in which there is not only a large bed made of papier mache, but there are also blankets, sheets, quilts, and female underclothing, dresses, and honnets, in the latest styles, com posed solely of cartonpate. It is proposed to give a series of banquets in this building, in which the plates, dishes, knives, forks, and glasses will all be of paper.

For a road with 30-pound rail, suitable for a pearls. A five cent sample settles it.

PROFIT OF TREE PLANTING.

Professor Sargeant, of the Harvard arboretum, prebably the best authority in this country on the subject, estimates that the profit on a plantation of 10 acres of larch trees, at the end of 50 years, will average 12 per cent. per annum for the whole time on the capital expended. The philosophy of this is apparent. There is little outlay upon a tree crop beyond the first cost of planting, while day by day the silent forces of nature go on adding to its value, whether the owner works or idles. Enough is positively known to furnish the strongest incentive to tree planting from the practical point of view as well as from physical and sanitary considerations. The west and northwest need more attention to this enterprise, often as its advantages have been urged upon them. Such a want ought not to continue, now that it is an assured fact that no other crop is so remunerative, secured with so little trouble, and subject to so few risks from destructly e agencies, as the tree crop. The industry is scarcely yet out of its infancy. With due care given to its development by the state, the interest of individual farmers will become more active and more intelligent. A school of forestry will educate the people by that iteration of precept upon prece; which is necessary to the acceptance of the plainest truth. But when once it is thoroughly under d that tree planting is not a matter of sentimental care for the future only, but of hard cast, for the present, it will be welcomed and recognized as one of the legitimate branches of husbandry.

WASTE NOT, WANT NOT.

We have on many occasions advocated the establishment of a Bureau of Forestry, and as time goes on the necessity for such a Government department becomes more apparent. Canada is wasting her forest resources to such an extent that in a few years they will be exhausted. Living in the midst of the forest operations—surrounded as we are by logs, posts and lumber-we know more of the forest resources of Canada that those journals published in localities where lumbering is extinct, and we say deliberately that the waste now going on is criminal. To one matter we wish to draw particular attention. A demand has arisen in England for Canadian hemlock bark, and efforts are being made to supply the demand. Now it must be noted that the present supply of homlock bark is very limited, and is not more than sufficient to surply our own purposes. It takes about 150 years to replace a tree cook its bark. Up in the north country, about 4 Baro, an insect pest passed through the woods and killed overy homlock tree in a district extending over a hundred townships. The only hemlock there now has grown since that visitation, and is just large enough for railway ties. Therefore it is clear that any additional demand for hemlock trees would speedily make the hemlock an extinet tree in the northern district. "Protection" might very properly be applied in this direct ... and a department of forestry would do un pertant national service. - Bobeaugeon Indepen-

Nothing New Under the Sun. Mr. James Bell, of Ullin, Ill., writes In the Northwestern Lumberman of March 27, I notice that logging roads and locometives for hauling logs are put down as recent inventions. In the winter of 1856 ? there was built here a tram road on which mules and oxen were used. In 1862 a locomotive was put on which was worn out, and the discarded machine was replaced by another, which was nearly worn out in the

A New Catechism in Drayton,

Q .- What is rheumatism?

A .- Rheumatism is a humorous sensation that causes men to rub their joints with St. Jacobs Oil, play practical jokes, throw things around, wear crutches and stay indoors, swathed in red finnel.—Drayton (C.) New Era.

Q. - What is St. Jacobs Oil?

A.—A peculiar substance of a very penatrating nature, which causes rheumatism to leave the system astenishingly quick,—insuring over ness of temper thereby, and ability to do one work satisfactorily. It hanishes crutches, retires flannels, produces happiness, and brings us down to a serene old sgo without the martyrdom of pain,—Exchange.

BLACK BIRCH.

Black birch is one of the woods which is crowding into the shoes of walnut, which are auro to be vacated before many more years of consumption. It is coming rapidly into favor. and is an excellent substitute for walnut. It is clear grained and handsome, and can be readily given an exact walnut stain. It is easily worked and suitable to nearly all the purposes to which black walnut is at present applied. Birch is about the same coloras cherry, but it is immensely cheaper and far more plentiful. Besides the fact of its staining so as to resemble walnut, it is susceptible of a beautiful polish equal to any wood now used in the manufacture of furniture. In the forests throughout Ontario birch grows in abundance, especially if the soil is not too boggy There is a great difference in the wood of different sections. Where the land is high the wood is firm and clear, but if the land is low and wat the wood has a tendency to be soft and of a bluish color. In all the northern regions it can be found in great abundance, and as the trees grow to such great size, little trouble is experienced in procuring large quantities. -Northwestern Lumberman.

ARBOR DAY.

Mr. Joly has given notice in the Legis ative Assembly of Quebec that he will move that, whereas the rewooding of denuded lands is one of the questions of the day, not only in the old countries of Europe but also in the United States of America, and in a great per portion of the British and French Colonies and is worthy of the serious consideration of this Whereas without incurring any expense whatever, there is an easy means of awakoning public interest, and gradually attracting the attention of the people to the importance of rewooding our country, a means which has already been productive of extraordinary results in the neighboring States-that is to set apart one day in the year fixed by proclamation of the Governor for planting forest trees, which day is called in the United States "Arbor day." be it resolved that it would be desirable to fel low this example, thereby making the rewooding of our lands an undertaking of public utility, and, being invested with the sanction of authority, would cause it to gradually become one of our national institutions.

E. HALL, of Detroit, Mich., is going extensively into lumber operations in this vicinity. His intentions are to construct a railway and put in some 30,000,000 feet of logs on the Tobacco River, some four miles south of Farwell. A dam is being constructed for the purpose of floating out the log. Extensive arrangements are likewise being made through many parts of the lumber woods north for summer logging.

BRIGHT'S DISEASE, DIABETES.—Beware of the stuff that pretends to cure these diseases or other serious Kidney, Urinry or Liver diseases, asthey only relieve for a time and make you ten times worse afterwards, but rely on liop. Bitters, the only remedy that will surely and permanently cure you. It destroys and removes the cause of disease so effectually that it never returns.

A healthy man never things of his stomach The dyspeptic thinks of nothing else. Intages-tion is a constant reminder. The wise man The dyspeptic thinks of nothing else. Integestion is a constant reminder. The wise man who finds himself suffering will spend a few cents for a bottle of Zopesa, from Brazil, the new and remarkable compound for cleansing and coming the system, for assisting the digestive apparatus and the liver to projectly perform their duties in assimilating the food. Get a ten cent sam, in of Zopesa, the new remedy, of your druggist. A few doses will surprise you.

druggist. A few doses will surprise you.

Willy ABE WE BILIOUS?—Why do we have sick headache? Why do we feel weak and tried with little or no appetite? Why that coatling of the tongue and that bad taste of the mouth? Your liver is out of order, and dress not do its work as nature designs. Baxter Mandrake Bitters act directly on the liver, stomach and lowels, and will relieve you at once. They are the best medicine known for costiveness, which is the starting point of ninetvina cases out of a hundred of all the complaints that human flesh is helr to.

The VITAL FORCES are speedily removed by

THE VITAL FORCES are speedily renewed by Mack's Magnetic Modeine, the great brain and nerve food, it is the best and cheapest medicine over discovered. See advertisement in another

Column.
The first triumvirate, fromed 59 B. C. sisted of Casar, Pompey and Crassus, and the three leading business pons of Esturbrook's make are the Falcon, Bank and Easy Writer.

Simcoe House, CORNER FRONT and SIMCOE STS TORONTO, ONT.

gar Best accommodation in the City. TFBM9-91 3 and >1 00 per day, according to Location of Rooms The Most Convenient House to all Trains-21 GREEN & SON, Proprietor

The American Hotel. BARRIE, ONT.

Collier Street, Adjoining the Market.

RATES REASONABLE, CENTRAL LOCATION, PRUE BUS TO AND FROM ALL TRAINS. g.r Fvery accommodation for Commercial and LUMBERMEN.

W. D. McDONALD, Proprietor.

J. K. POST & CO. LUMBER MERCHANTS

And Shipping Agents.

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CHOPPING AXES

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MILL PICKS DRESSED in a first-class style, hose shapped by rail will be returned promptly. & Lance Tooth Saws Gummed. AXES WARRANTED. 3121

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CONSUMPTION

is not incurable, if properly anended to.—Consumption, at its commencement, is but a slight irritation of the membrane which covers the lungs; then an indumnation when the coughts more observable, but rather drython becomes inculterer and the pulsamers frequent, the checks flushed and chills more common. This filter nouring the above common this filter nouring the above common this filter nouring the above on plaints, operates so as to remove all morbid irritations and inflummation from the lungs to the surface, and flustly expolithem from the system. If scallistes expectation, IT scallistes expectation, IT HEALS THE ULCERATED SURFACES

IT HEALS THE ULLIMATED SUBFACES and relieves the cough and makes the breath ing casy. It supports the strength and at the same time reduces the force. It is tree from strong opiate and astringent articles, which are of so drying a nature es to be in great danger of ductiving the patient; whereas this medicine never dies or stops the cough but, by removing the Ocuse, generally decrease the medicine never dies or stops the cough but, by removing the Ocuse, tecorally decrease the cough the coug

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PUBLISHED SEMI-MONTHLY BY

TOKER & Co. PETERBOROUGH

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be in the hands of the publishers a week before the
date of the next issue.

PETERBOROUGH. Ont. JUNE 1. 1882.

THERE was a sale of 1,000,000 fest of lumber made in Bay City, Mich., lately, to eastern parties at \$25 per M straight measure.

Is the United States there are 1,942 establishments for the manufacture of agricultural implements. They use \$5,791,916 worth of timber a year.

THE extensive Peterborough lumbering firm of Irwin & Boyd has been dissolved by mutual consent, Mr. G. Boyd retiring and Mr. J. M. Irwin continuing the business.

RATHBUN & Sons' mill and lumber yard, Deseronto, is now lighted by electricity. One light, 75 feet high, is a splendid beacon for mariners navigating the Bay of Quinte.

ALEX. Molaren, of Oscoola, has ordered a complete outfit of machinery, from Morrison Bros., of Toronto, for his new stave and heading factory now in course of erection at that place.

A TELEGRAM from Sprinlake, Mich., dated May 26th, says Sisson & Tilley's mill yard was burned yesterday. It contained seven million feet of lumber, valued at \$100,000, belonging to Rathbun & Co., of Chicago. This firm lost nine million feet here last fall.

THE Moniteur du Commerce gives a long description of the manufacture of hats, bennets and other articles from woven wood, as carried on at Ehrenberg, in Austria, where it has ac quired large proportions. It strongly advocates the introduction of this industry in Canada.

Two ash knots, weighing 1,150 and 1,490 pounds, were recently shipped to New York. They are steamed, which softens them and develops their color, and then used in exception ally fine veneering. Persons who are experts in judging what knots are of value, make consider able by going about looking for them. These two were from Caledonia, N.Y.

THE Northwestern Lumberman, of Chicago, appears in a new dress and generally improved appearance. The headings are especially well designed. As if to show that there is no limit to its enterprise, the Northwestern Lumberman has just published a special Chicago number, which is rejete with information for the trade. When we state that it extends to 85 pages, and that some of the full page advertisements are printed in three colours, it may be imagined that this is a feat in journalism.

OAPT. MoDoroal, superintendent of the Northern Pacific docks, writes that Duluth will be a second Saginaw in the lumber trade. There are now eight mills in construction, which will cut about one hundred inillion feet a year. He prophecies that this cut will be doubled next year.

In 1864 an Indiana man bought a black walnut tree for \$1, and in a few years sold it for \$65 to a man who let it go to a Cincinnati lum ber dealer for \$700. A New Yorker took it off the Cincinnatian's hands for \$2,200, and shaved it into \$27,000 worth of veneering, for which he took the cash.

THE value of shingles exported from Brock ville, Kingston and Prescott last year was \$23. 840, against \$10,440 in 1880 and \$8,152 in 1870. The value of the different kinds of lumber exported from the same ports in the same period was as follows: In 1879, \$262,517, in 1880, \$474,436, and in 1881, \$722,256.

THE Eau Claire, Wis., Lumber Company, it is stated, has contracted to furnish to Close Brothers & Co. lumber for the building of 100 houses, an equal number of barns, and an equal number of granaries, all to be put up in Iowa, where the company is establishing a colony on a large tract of land owned by it in that state.

The Northwestern Lumberman says:—"It is true that a portion of the immigration wave is tending toward Manitoba and other, arts of the Canadian dominion, but as that section is forced to draw mainly upon the lumber resources of the Northwest, the result largely affects commerce and industry through the North and West."

A COMPANY is talked of at East Saginaw, Mich., with a capital of \$50,000, for the purpose of erecting and operating a manufactory of patent panels, to be made of Michigan basswood. The same parties run a factory of the same kind at Dehance, Ohio, and it is proposed to remove to East Saginaw. The panels are used for carriages, cutters and cars, etc.

The extract works at Trout Run, Lycoming county, Pa., consume 5,000 to 6,000 cords of hemlock bark annually, and produce nearly 5,000 barrels of extract. Much of this extract is shipped to Europe for tanning leather. Large orders are now being filled for Liverpool and Glasgow. The company now pay \$6 a cord for bark, an advance of \$1 a cord over last year's price.

S. BABCOCK & Co. are putting in a large Curran & Wolff dry kiln at Manistee, Mich., for the purpose of drying siding. It will be the first dry kiln in the place, and will hold 110,000 feet, and turn out from 20,000 to 40,000 feet a day. This undertaking leads to the question, Why cannot all boards and strips be dried at the place of manufacture? The fuel is on the sp. * '5 the form of refuse, and is often sacrificed in the fire that is unquenchable, to no purpose

BLACK walnut can now be manufactured very cheaply. One part of walnut peel extract is mixed with six parts of water, and the wood is coated with the solution. When the material is about half dry a solution of bichromate of potash with water is rubbed on it, and then your walnut is ready. Furniture dealers have been known to make excellent walnut out of very poor pine, but the difference was slightly perceptible, however, this method is said to defy detection.

THE Timber Trades Journal, of May 13th, says:—Caution seems still to govern the import timber trade of London, if the arrivals of wood inden vessels are any index of the sparit of the trade, as only 36 vessels were reported since our last number up to the 10th inst. inclusive, 16 were steamers, mostly from Northern Europe, two only were from America, with general cargoes, and only part of timber, chiefly in the shape of staves, hoops and joinery, with some furniture woods. Altogether the import trade seems rather subsiding in this market for the moment.

THE Lumberman's Gazette says that Duluth is fast gaining prominence as one of the leading lumber manufacturing towns, and several new mills are going up. Something like 110,000,000 feet of logs will be cut into lumber at that point the present season. At several shore towns east of Duleth there are mills in course of erection or contemplated, and at no distant day the amount of lumber cut in the Lake Superior district will be no minor factor of the entire lumber business of the northwest.

The Canton, N.Y., University is among the most vigorously interested educational institute giving attention to the subject of tree-planting. Lately 100 trees were planted on the grounds of the institution, and within the 12 years of its existence, about 1,000 trees have been set out, a fair propertion of which are yet living. In fact the ladies of the University were so zealous and enterprising in their laudable cause that they stole a march on their sleepy masculine coworkers and planted their proportion of the trees before the male members had finished digging out their eyes.

ROBERT HENRY, a prominent lumberman, formerly of the township of King, and latterly of Mulmur and Manitoulin Island, lost his life through the burning of the steamer Manitoulin, near Manitowaning, on Thursday, 18th inst. Deceased, who was in the forty-first year of his age, was cut down in the prime of his manhood and carnest usefulness, and his death has added another to the many victims of oft-recurring steamboat disasters. He was a nioneer in the settlement of the island, where he had extensive lumbering and milling interests. Mr. Henry's body has been recovered, and will be brought to his late residence, No. 99 Bloor street, Toronto. Should it arrive, as is expected, to-day, the funeral will take place from the above address on Tuesday, 23rd inst., at two o'clock in the afternoon.

PRESERVATION OF WOOD.

Dr. Joseph Jones, of New Orleans, has, after an extended series of experiments, inaugurated eighteen years ago, in 1864, succeeded in developing a method of preserving wood from decay for great periods of time, and even for centuries. The first series of experiments related to the preservation of animal structures, and in the museum of the medical department of the University of Louisiana are preserved in the open air the most delicate and destructible animal tissues, and entire animals, apparently as fresh as at the moment of death.

The second series of experiments related to the arrest of decomposition in diseased and gangrenous ulcers, cancers, and gunshot wounds, and the results were none the less striking and satisfactory.

The third series of experiments related to the preservation of wood from decay and the destructive action of marine animals.

The process, as finally developed and perfected by Prof. Jones, consists in saturating wood with certain bituminous, resinous, and antisoptic substances and compounds. The sap and moisture of the wood are transformed into steam, and the albummous constituents congulated by heat, and the wood thus treated is unmediately plunged into a boiling solution, the most important ingredients of which are asphalt or solid bitumen and carbolic acid. The combination may be varied according to the age and density of the wood. As the preservative liquid and wood cools the vapor is condensed and the solution of asphalt is driven into the pores and also penetrates the wood by imbibition. The solvent of the asphalt rapidly evaporates from the surface of the wood after it is removed from the preservative fluid, leaving a smooth, polished surface, impervious to moisture and water. The anticeptic substances are thus locked up within the fibres of the wood. Thus, if it be desired to subject a railroad bridge to this process, the individual portions, after they have been completed, are first heated in order to drive out all the moisture, and then plunged into the solution of asphalt; and after remaining from two to twelve hours, are remove. ed, and each individual part is protected by a complete coating of asphalt, impervious to

water, and itself one of the most powerful of wood preservers. When the bridge is erected every portion of it presents a coated surface, and the whole structure presents the appearance of having been carefully painted by hand with durable black varnish.

The saving of expense alone in this mode of painting an entire bridge simply by plunging its component parts into a preservative fluid, it is claimed, will more than equal the expense of the materials used. Wood may be subjected to the hot solution of asphalt without preliminary heating.

A drying room for the wood and a tank heated by steam for the preservative liquid are the only forms of apparatus needed. Solid bitumen or as I halt is found in most countries of the globe; but it is to the West Indies that the United States must look for inexhaustible supplies.—

New Orleans Democrat.

ECONOMIZING OUR FORESTS.

At the meeting of the Royal Canadian Society, in the scientific section, a paper was read by Mr. Wm. Saunders, of London, Ont., on "The Importance of Economizing and Preserving our Forests," in which he referred to the importance of forests in providing shelter from storms, regulating the temperature, equal izing violent alternations of heat and cold, and on the manner in which the humidity of the atmosphere is equalized and conserved. Reference was also made to the importance of forests in influencing the rainfall and purifying the soil and atmosphere. He alluded also to the forest policy of Germany as showing the possibility of a country, by proper forest regulations and sufficient forest area, growing a sufficient supply of timber for the use of the people. He also called attention to the needless waste of timber from the carelessness of the lumberer and the wanton destruction of vast quantities by forest fires. In conclusion, he suggested that more stringent rules were needed to remedy these evils, urging also that more attention should be given to the replanting of the denuded districts.

The President called the attention of the meeting to the importance of the subjects, and remarks in connection with the paper were made by Professor Macana and Dr. Lawson.

It was afterwards moved by Principal Dawson, seconded by Dr. Lawson, that at the general session to morrow the attention of the society be directed to the subject of the preservation and planting of forests by public and private means as an important object to be promoted in connection with this society and with the International Forestry Association.

LUMBERING ON THE PENOBSCOT.

The Portland Commercial says the Penobscot lumbermen are anxious for rain. At some points driving has been abandoned on account of low water. The first Mattawamkeag drives of 15,000,000 feet will be in the boom, it is thought, in a few days. Mr. J. W. Palmer's cut, made in the vicinity of the "Gulf," amounts to about 10,009,000 feet, but the two drives, forward and rear, contain over 13,000,000 feet, the extra three millions being other operators logs, which Mr. Palmer has undertaken to drive. There are on Pleasant river four large dams, and Mr. Palmer has so utilized the water from their ponds that the forward drive of 7,000,000 feet of his own and other logs will reach the Penobscot on Thursday. The rear drive consists of about 6,000,000 feet, and the logs are now being sluiced through the Gulf, with a good prospect of getting them through the main river, and almost a surety of geting 2,000,000 feet of them to market. There is a crew of fifty men on the forward drave, while 150 red shirters are trying to get the rear through.

IMPROVEMENTS AT DESERONTO.

The Kingston Whig has the following from Deseronto, formerly Mill Point.—The Bay of Quinto R. R. Co. are extending their line at Deseronto eastward to Unger's Island, along the bay shore. We understand the company intend to start some new industries at the terminus. The company entered into an agreement with the G. T. R. Co. to furnish 200 carloads of freight the first year, but this contract

has been already filled. The above amount was furnished in less than three months, a really en couraging fact to the stockholders of the mad The codar mill at Descronto will be a gigantic structure when completed. The building is 80×100 feet, part of it being two storeys in height. On the upper flat there are two saws for the manufacture of ties and field posts. The lower flat will be principally used for cutting large timber and shingle bolts. Adjoining this building is the shingle mill, which is being supplied with two double and two single machines, and has a capacity of about 75,000 per day. It will be in operation by the first of June.

CUTTING A CANAL.

A lease has been given to Monroe, Clay & Co., of Bainbridge, Ga., for land on Dog Island, Flanklin county, near Carabelle, where they propose building wharves where foreign vessels chartered by them can unload their ballast, This company is engaged in cutting and hawing square timber on Flint river, in Georgia, where they have a large force at work. This timber is rafted down the Flint and Apalachicola rivers, through St. George's Sound, to the cove in Carabelle harbor, where it goes on board the shirs. Most of it is sold on European account. The contractors labor under great disadvantage in bringing their rafts through the sound. This, they think, can be avoided by a cut off from the Apalachicola river between Iola and Bristol, striking the headwaters of Carabelle, New river, or Toloye creek. That a canal in that direction will ultimately be cut is a fixed fact, and when opened it will be of great advantage to the Cara belle people.

LARGE ARRIVALS OF LUMBER.

The Montreal Gazette, of May 20th, says :-The arrivals of lumber and deals from Ottawa during the past week have been considerable, and from ports between here and Quebec the receipts of spruce and common pine have been quite liberal. The demand from the States, referred to by us last week, continues, several lots of hardwood having been purchased for New Hampshire and Massachusetts, at current prices. Among the sales were one or two lots of ash at \$20 to \$25, and a lot of cherry at \$60 per M feet, f. o. c. at Point St. Charles. Yesterday several carloads of thin pine were purchased for Winnipeg at from \$12 up to \$25 per M feet, as to grade. There is also a good local demand. Advices from the Ottawa district state that rain is sadly needed in order to get out the logs in some of the small streams tributary to the Ottawa River.

Bussian Trade With Australia.

A statement has appeared in St. Petersburg papers, speaking in jubilant terms of the fact that the well-known mercantile firm of Carl Graap has chartered two foreign sailing vessels to carry sawn timber from Cronstadt to Australia. The event is considered to be the more important as the vessel will be the first to sail direct from Crorstadt to Australia. The St. Petersburg Herald regards this beginning as of "enormous importance" to the commercial world of the north of Russia. At the same time, whilst it may not be of such great importance, it is a new departure on a small scale. -Newcastle Chronicle.

Timber Limits for Sale-

I offer Timber Limits Nos 94, 102, 144, 145, 157, 163, 176 and 152 on the North Shore of Georgian Bay, for sale either on bloc or in single Townships of 36 square miles each.

GEORGE J. THOMPSON.

Winnipeg, Manitoba

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Shingles, Doors, Sash, Flooring, &c., WANTED,

STATE QUANTITIES AND PRICE TO

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SASH, DOOR & FURNI-TURE FACTORY.

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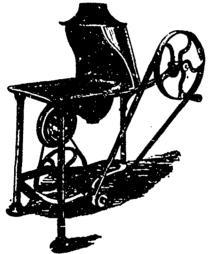
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TRENT NAVIGATION.

FENELON FALLS, BUCKHORN RAPIDS AND BURLEIGH CANALS.

NOTICE TO CONTRACTORS.

EALED TENDERS, addressed to the undersigned, and endorsed "Tender for Trent Navigation," will be received at this office until the arrival of the Eastern and Western Mails on WEDNESDAY, THE FIFFH DAY OF JULY NEXT, for the construction of two Lift Locks, Bridge Piers and other works at Fenelon Falls, also, the construction of a Lock at Buckhorn Rapidy, and for the construction of three Locks, a Dam and Bridge Piers at Burleigh Falls.

The works at each of these places will be let separately

ately
Maps of the respective localities, together with plans

F. BRAUN.

Department of Raliways and Canals, Ottawa, 22nd May, 1882.

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We have for Sale a large quantity of PINE, OAK, WHITEWOOD, ASH, CHESTNUT, CHERRY, BUTTERNUT, BASSWOOD, &c.

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688 and 690 Craig Street, Montreal.



MURRAY CANAL

NOTICE TO CONTRACTORS.

SEALED TENDERS addressed to the undersigned, and endorsed 'Tender for the MURRAY CANAL. will be received at this office until the arrival of the eastern and western mails on TUESDAY, THE TWENTY SEVENTII DAY OF JUNE LEXT, for the formation of a Canal to connect the head waters of the Bay of Quinte with Presqu'ile Harbour, Lake Ontario.

Dept. of Railways and Canals, } Ottawa, May 22nd, 1832.

F. BRAUN, Secretary. d125-2aw VALUABLE

Property

FOR SALE

The subscriber offers for sale the

Steam Saw & Shingle Mill

known as the "Soper" Mill, now rented to James Leishman; situated in front of the Bracebridge Wharf, Muskoka lilver, and within a short distance of the pro-posed railway.

This Mill is in first-rate order, the machinery new, and is capable of cutting 25,000 feet of lumber per day. For further particulars apply to

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MANUFACTURER OF

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Rotary Saw Mills

IN FOUR SIZES, and other

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SEND FOR CIRCULAR.

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PRINCE EDWARD ISLAND

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Foo Choo's Balsam of Shark's Oil Positively Restores the Hearing, and is the only Absolute Cure for Deafness known.

only Absolute Cure for Dealness known.

This Oil is abstracted from peculiar species of small White Shark, caught in the Yollow Ses, known as Carcharopon Rondeller. Every Chinese fisherman knows it. Its virtues as a resocrative of hearing were discovered by a Ruddhist Priest about the 1 year 1410. Its cures were so numerous and manny so are minggly mirraculous, that the remedy was officially proclaimed over the entire Empire. Its use hecame so universal that for over 300 years no Denfuess 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.

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My deafness helped a great deal—think another bottle will cure me.

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SOLE ADERIE FOR AMERICA 7 Dey St., Now York.

THE SPRING MOVEMENT OF LUMBER AT CHICAGO.

A query has arison in the minds of many as to why the receipt of lumber at this port has been so much greater this spring than ! ast, while the mills at Muskegon have been forced to remain idio on account of the strike. Of the total amount of lumber received at this port from the east shore considerably more than one-third comes from Muskegon. It can be plainly seen that a cutting off of the usual supply at that ment would make a vast difference in the recents at this market under ordinary conditions. That the failure of the mills there to start up this spring has not apparently diminished arrivals since the opening of natigation is a circumstance that may well be enquired into The bears in this market are handling the problem as if it were a matter of great significance, somehow, though how it should affect their interest, when the reason for the large receipts this season is really known, it is not so very plain to see. If the large spring receipts meant an over supply the season through, or if the bear element could make it appear that it meant that, of course such a view would tend to weeken values, and that is what the bears want to do, though they would hardly be willing to have it proved that there would be a glut of lumber in this market through the season, for that would take the starch out of the values of the stocks that they have in the yards, which was bought at pretty round figures. But it can be shown quite clearly that the supply of logs and lumber is not greater than the demand requires, unless it should unaccountably fall off during the present season. The history of the trade since last spring proves this plainly enough. We have seen that while the supply on January 1 last was 560,416,842 feet, as compared to 497,840,673 in 1881, trade was so large during the winter that the pile had been diminished on May 1 to the tune of 557,883,000, showing an increase of shipments during the four months since January 1 of 219,345,000 over the same period of the previous year. The amount of logs put in during the last winter certainly does not warrant the conclusion that there is an overstock of such vast proportions as to threaten a dangerous glut of output in the various markets during the year. So we are led to the conclusion that the heavy receipts at this port thus far during the spring do not indicate an enormous rush of an overburdened supply seeking to get into the market before the accumulating volume becomes so overwhelming that values will be crushed to a rumous mini-On the other hand, we can safely conclude that there is no more lumber at primary points, in stick or stack, than can be devoured by the demand, provided there is no untoward event that shall intervene to stop industry and progress, and greatly reduce the demand. Any ery of a rush of stock, and a probable accumu lation in excess of the demand is but a specula tive shout, designed to temporarily unhorse values, so that they can be mounted again to suit those who wish to buy in a season's supply.

What, then, is the real cause for the extra ordinary receipts of lumber at this port since March 15? On May 1 they amounted to 232, 934,000 feet, since January, as compared to 91.508,000 the year before the same period, an increase of 141,426,000. An explanation is primarily indicated by the fact that sales and shipments have shown proportionately as large an increase, which indicates that the rapidly depleting supply throughout the winter had stimulated early and liberal receipts. Never in the history of the trade at this point had the winter out-movement of lumber been so great, This drew down the amount on hand in the yards, and broke up assortments. Naturally there was an industrious looking around all Just as soon as a winter for new supplies vessel could be sent out in March it was done, and lumber began to arrive. There was almost daily receipts by lake after March 15, and the stream increased in steadiness and volume from April 1 through that month.

The contrast of this year and last in regard to receipts by lake was very striking. The first arrival of a cargo in the spring of 1881 was on April 15, and on that day and the day following nine cargoes reached this port. But few came in after that till April 26, when the total re- letter says: "I cannot too strongly urge upon has is become. Britain, which was supposed to ed there.

ceipts of lumber had reached 8,008,000 feet, the arrivals the year before on that date having ag gregated 63,827,000.

Naturally, after having such a flourishing trade all winter, which reduced stocks remark ably, and broke up assortments, wholesale said dealers here took the opportunity of an early opening of navigation to bring over the lumber they had bought during the winter for the purpose of stocking up their yards for the spring trade. The large early receipts that cut such a figure in the totals did not go to the market, but directly to the docks of the purchasers. This is always the case for a period after the opening of navigation, but it was peculiarly so this spring, because of the large amounts that had been purchased on the east shore, transactions that had been unwontedly stunulated by the heavy demand. It is, notoworthy, too, that a large proportion of such lumber arrived from Musketon, the wintered-over stock there of over 100,-000,000 feet having been largely purchased late in the fall or early in the winter by Chicago dealers, and of course was brought forward as early as possible to replenish broken and depleted stocks; so that really Muskegon has contributed this spring as much to Chicago receipts as over, and more, considering the early opening of navigation.

Another cause for unusually heavy receipts is the fact that the general boom in the lumber business, and the high figures that manufacturore have placed on their stocks, giving the cargo market here a dizzy altitude at the opening, prompted everybody on the lake who had held over any lumber to crowd canvass for this port as soon as possible. This has brought in early a large amount of lumber that ordinarily would have come a little later. It has been noticed that several cargoes have arrived from Saginaw, an anusual event for so early in the season.

Some might be inclined to think that becauthe stock on hand at initial points has been rushed forward early that later receipts would proportionately diminish. But that is an unsafe conclusion. The mills this season will be run for all there is in them-and there is more in then, than usual, for the reason that repairing and improving the past winter has been extensive. It is said, with truth, that when a saw mil' owner has had a successful year, he is seized with a consuming desire to overhaul and repair his mill. That is what has ailed him during the past winter, and the result is that the will capacity of 1882 is much greater than over before not only on account of improvements in old mills, but because of a large number of new mile that have been built. We shall have to conclude that the cut of the present year will be pushed quito to the extent of the log supply, and that the output will come forward more volunitionaly than ever. Of course the continuance of the stril e at Muskegon must be taken into account, as well as like labor disturbance elsewhere, which involves a vast possible differonce in the season's results. Northwestern Lumberman.

GOVERNMENT PROTECTION.

We are glad to perceive that action is being aken by the national legislature for the protection of timber on government land and on the Indian reservations, and to prevent the wholsale and wanton destruction of the same, which has heretofore been prevalent. Senator Cameron, of Wisconsin, has been especially urgent in this matter, and if he is successful will be deserving of the gratitude not only of his own constituency, but the country at large. The proposed law provides that "every person who unlawfully acts or aids, or is employed in unlawfully cutting, or wantonly destroys or procures to be destroyed, any timber standing upon lands of the United States, which, in pursuance of law, may be reserved or purchased for military purpos s, shall pay a fine of not more than \$500, and be imprisoned not more than twelve months."

Secretary Kirkwood also has taken advanced ground in this same direction, and has been importuning congress for the enactment of such laws as will prov at deprodations upon the timber lands in the Indian reservations. The commissioner of Indian affairs also shows his interest in the protection of the forests, and in a later the department the importance of early action by congress upon this subject. In the Indian territory, especially, spoliation of valuable wal nut timber has been for a long time past, and is still being carried on, and unless some stringent and effective measures are devised to stop it, that whole country will be devastated of timber. I more than the combined sailing tennage of the Moreover, it is apprehended by those competent to judge, that this wholesale stripping of lumber will result in disastrous climatic effect.

The indications from all directions, in fact are of the most gratifying and reassaring that actor. The representatives in both branches of the national legislature are becoming theroughly awakened to the importance of this question, and are evidently ripe for the adoption of such policy as small not only pretect the tumber already standing, but for the mauguration of measures with the object in view of replacing the timber of which our forcets are being rapidly and in many cases unnecessarily denuded, and also for the establishment of a system of forestry culture as shall supply the future demands of the industries of the nation based on word for their chief staple. - Lumberman's Gazette.

MONTREAL NOTES.

The Montreal Gazette, of May 13th, has the following remarks upon the trade there:-There are already signs of an active expert movement in lumber, as large quantities are arriving by barges and rail from Ottawa. Con siderable deals for the United Kingdom and lumber for South America are being piled on the wharf at Hochelaga ready for shipment as soon as vessels arrive. The first shipment of deals to Great Britain was made on the steamship Manitoban. We have no further tharters to report, having previously quoted all that have been made this season at \$14@16 per M. feet by sailing vessels, according to size, to the River Plate, and at 55s to 60s by steamer to the direct ports in the United Kingdom. We understand that American orders have been received at Ottawa, and that orders are about being filled both by rail and boat. In this market we hear of no transactions on export account as they are generally negotiated at a certain price at the mills, but we hear of one or two sales of shipping cuits on the basis of about \$13(a,13.50 laid down here. There is a good local enquiry, consumptive wants being larger than at this time last year. American buyers are looking for certain kinds of hardwood, but we have not heard of any business yet. Advices just at hand state that owing to low water in some of the tributary streams of the Uttawa very few logs have been got out this season, and that rain is much wanted to move them. In the larger streams, however, the supply has moved forward freely, and as the cut was generally large, there will, in no event, it is thought, be a dearth of product.

OUR PINE FORESTS.

The first paper read at the recent Forestry Congress at Cincinnati was that of Mr. James Canada. The writer expressed regret that his advanced ago prevented his attending the Con. and hemlock. The timber has hitherto been gress. His paper related to the White Pine forests of Canada and the serious commercial loss that would arise from a total loss of the woodlands. Laboring for years almost singlehanded to bring his own people to a proper knowledge of the subject, he expressed gratification that the papers of this country had so generally taken up the question of forestry. He claimed that the black walnut, once so abundant, and oak and ash, for long a great source of revenue to the country, were nearly all gone, white pine, spruce, birch and tamarac were following so fast that soon none would be left of commercial value. He corrected the error of considering the timberland of Canada as practically exhaustless. He thought ten thousand millions of feet, board measure, would comprise the merchantable pine of Canada, Ontario, New Brunswick and Nova Scotia, which might be exhausted in less than ten years. The stock in Newfoundland and the area adjoining Hudson s Bay was still satisfactory in amount. He quoted the remark of Mr. Charles Gibbs that "our native white june may yet be peddled in some parts of our country as a rare exetic, so scarce

aced timber only for repairs, being built up, paid seventy five to one hundred million delians searly for her timber, paying the chemiest rates Mr. Little thought that if the waste of forests was not checked it would yet cost more than an our exports if grain and cotton, and require whole world to procure timber for the use of the United States from other countries. The effect of the dearth of tumber now threatened upon the industries of the United states and at Canada was one which may well cause apprehension.

PORT HOPE.

About six o'clock on Friday, May 19, a pile of umber was lise vered in fire at the if the centre dicks of the harbor. A stiff cast want was blowing at the time and the flames spread rapidly The alarm was quickly given, and a great crowd of citizens hurried to the seem. The Milland Railway hands were alcodi. the configration, and they seen had all the neighbouring piles of lumber flating in the harbor. By that time the flames had reached the decks, and three or four hours had to be spent in extinguishing then., but not until near ly one hundred fast of lakage had been burned or destroyed. The lumber that was burnt, about 30,000 feet, belonged to 9 C. Kanaday, purchased from Irwin & Boyd Peterborough, on which there was no insurance. It will probably cost two or three thousand Jollars to re place the pier that has been distroyed. But for the tremendous exertions of the fire brigade and the assistance rendered by the steam pumps on the tugs, and the steamer No seman, the fire would have swept the whole of the centre piers. None of the loss is covered by insurance.

Weights of Timber.

Weights of logs and lumber are given as forows in a book recently issued by H. K. Porter & Co., Pittsburgh, Pa.:-Weight of green logs to scale 1,000 feet, board measure-Yellow pine (southern, 8,000 to 10,000 pounds; Norway pine (Michigan), 7,000 to 8,000 lbs.; white pine (Mich.) off of stump, 6,000 to 7,000 lbs.; white pine (Mich.) out of water, 7,000 to 8,000 lbs., white pine (Penn., bark off, 5,000 to 6,000 lbs. ; hemlock (Penn.) bark off, 6,000 to 7,000 lbs. Weight of 1,000 feet of lumber, board measure Yellow or Norway pine, dry, 3,000 the;

green, 5,000 lbs.; white pine, dry, 2,500 lbs.; green, 4,000 lbs. Weight of one cord of seasoned wood, 128 cubic feet per cord-Hickory or sugar maple, 4,500 lbs.; white oak, 3,850 lbs.; popar, chestnut or elm, 2,250 lbs.; pine, white, or Norway, 2,000 lbs.; hemlock bark, dry, 2,200 lbs. One cord bark got from 1,500 feet logs.)

Adirondack Timber.

The Saginaw Courier says the sale of a large tract of timber land in the Adirondack, N.Y., region is as good as made to a party of Michi gan lumbermen and Hartford, Ct., capitalists. The purchase price is to be about \$250,000, and Lattle, of Montreal, on "The Pine Woods of on the tract there is said to be a quarter of a billion feet of white pine timber, besides spruce considered maccessible, as a downeaster would never thing of constructing a railread to haul logs on. To reach the heart of the tract it will require the construction of 11 miles of road. over an expensive route, but the timber will well repay the undertaking. A mill and planing mill to work the timber up are also contemplated. There is no reason why a bonanza is not concealed in this project, since experienced Michigan land lookers have estimated the quantity of timber as I have stated. .

> Keep this idea in your mind, if you have a dam to build at all, it pays to build it well; and if you do not understand how to do it, get some one who has had experience and whom you know does understand, and pay him well to do a good job.

THERE was lately a great jam of logs in the Hudson River at Palmer Falls, Corinth. which increased rapidly. It extended three-quarters of a mile above the dam of the Hudson River Pulp and Paper Company, and it is estimated that fully 1,500,000 pieces of timber were lodg-

Chips.

R. M. WANZER & Co., of Hamilton, are about

to build a large woodwork factory.

THE Menomineo River and Manufacturing Company had, on May 1, ratted and delivered 19,000,000 feet more logs than on the same date last year.

THE two Napaneo paper mile turn out about 9,000 ibs of paper per day. The paper mills are importing pulp-popula from Thorold, Quobec and Niagara Falls.

THE Now Brunswick chair factory, at St. John, is to commence work early next month. Mr. D. L. Richards has gone to Beston to pur chase machinery for it.

THE Kirby-Carpenter Company a two mills at Monominee, Mich., turned out 329,000 feet of lumber in one day recently. The Company's now mill will average 200,000 feet July.

Merrica Brothers, Williamsport, Pa., are

to build a railway, four miles long, up Anderson Creek for the purpose of running in their logs. They propose hereafter to be independent of snow.

JAMES STEWART, of Saginaw, has closed a contract with Stockwell & Belknap, whose mill is on the Harrison branch, for 20,000,000 shingles, the entire cut of the mill for the ensuing year.

It has been decided to see relief for the Osh kosh and Fond du Lac, Win., water powers, from difficulty by high water in Winnebago Lake and Fox River, by widening the point of overflow in the lake.

THE statement of business at the Eric canal collector's office, at Buffalo, N.Y., for the month of April, give. the total exports in lumber, etc., as follows:—Lumber, 3,689,813 feet, shingles, 1,322,000, staves, 4,139,542.

The New York Central and Eric Railroad

Companies intend to build a bridge across Tonawanda creek, at Tonawanda, N. Y., for the purpose of reaching the Export Lumber Com

pany's docks and planing mills.

The firm of James Hay & Co., Woodstock, Ont., has just received from the manufacturers, Mossrs. Haggart & Co., Prampton, a traction engine which will be used for drawing logs from the bush to the factory. It works nicely.

JOHN MARKS and others, of Detroit, are

putting in about 12,000,000 feet of pine on a logging railroad seven miles in length. The logs are banked on the south branch of the Chippewa River. They expect to have the timber in earl, in September, and the road will then be shifted to another point where the firm own a large tract of pine.

THE New York Sun says Chicago is the greatest lumber market in the world. The single item of sawed lumber received there in 1881 would lay an inch flooring 14 feet wide round the earth, at the equator. The amount of lumber manufactured in the three states of Michigan, Wisconsin and Minnesota during 1881 would lay such a floor 50 feet wide.

THE Chronicle says Messrs, McLachlin Bros., Amprior, are making arrangements to have their mills and lumber yard lighted by electricity this season. They also ...tend building waterworks, with hydrants at convenient distances, all through their lumber yard, for the purpose of acquiring more efficient protection against The'- forethought and enterprise in this direction is worthy of emulation.

THE Northwestern Lumberman says that of over 700,000 square miles of timber in the United States, the South owns 460,000, or nearly two-thirds of the whole. In a very few years this will busy over 50,000 laborers in cutting, rafting, saving and shipping. Already parties are making large purchases of these lands, locatirg mills, opening turpentine farms, and build ing railroads into the timbered regions.

THE prospectus of a large carriage factory, to be established at St. Catharines, has been issued. It is intended to manufacture street cars, railway cars, wagons, and baggies, and the concern will be called the St. Catharines Manufacturing Company It will employ between 80 and 100 men at the start. Capital, \$75,000, in shares of \$100 each. The stock books are opened, and a large amount of stock has already been subscribed

TIMBER and lamber to the amount of 400, 000,000 superficial feet is annually supplied by the forests of New Zealand, valued at about \$8,000,000.

DURING the month of April, 6,173,000 feet of yellow pine were shipped from the port of Jacksonville, Fla., as against 3,330,000 feet for the same month last year, and 2,569,835 for April of 1880, an increase of 2,843,000 feet o cr 1881, and of 3,603,465 over 1880. The shipment of lumber from that port increases every month, and it is believed that the shipments in 1882 will double those of any previous year. The figures given do not include the shipments over one of the roads.

THE white pine is the most valuable tree in Newfoundland. In the section known as the Gaudu country it is estimated there are 80 square miles of land thus timbered, which is easily accessible by small boats on the Gaudu river. The yellow or red pine is also largely found, while there is no beech, elm or ceciar. Fine forests exist about St. George's bay, and in the valley of the Humber. No revenue, however, is derived by the colony from these forests, which are cut at will by the property owners.

THE Northwestern Lumberman says that in Michigan the color that maple lumber assumes when cut, stuck and seasoned, as it ordinarily is, has seemed to answer every purpose, but in the eastern markets, where the wood has been longer in use, very white lumber has been in winand, and at all times the whiter the better. To secure as light shade as possible the timber is both cut and sawed when frozen. It is then stuck, the boards slanting to such an extent that the sap, when thawed, will drain off as much as possible.

THE Lumberman's Gazette says that while the supply of lumber in the United States is fully equal to present demands, it is difficult to fore see what may be the increased requirements, domestic and foreign, in the early future. It is very certain that due provision is not made for planting, and while some states have shown commendable care and energy in that respect, others have been singularly negligent. What, in the course of a few years, will become of the lumber trade of Pensacola, Mobile and other southern ports, with the present rate of clear-

in, ?
THE Timber Trades Journal of May 6th says three-and-twenty timber lader vessels into London, to represent a whole week's importa tion, is by no means such an alarming number as to create a panic among the holders of any con siderable quantity in the docks, and thereupon to cause them to hurry their goods into the public sales, and let them go without reserve for what they will fetch; were the trade a little brisker, this very moderate week of importation would be very encouraging, but with such a heavy stock already stored here prices would hardly rise if the importation were to cease for a munth or so altogether.

ACCORDING to the Timber Trades Journal of May 6th, the reports from Sweden are rather more encouraging as regards the supply of logs from the interior; these were hung up for want of snow, but a very heavy fall of that necessary commodity, which prevailed throughout the north of Sweden about Easter time, will enable a greater portion of the timber to be floated down to the mills, and the fears entertained about an insufficiency of logs will be greatly re lieved. This will be welcome to those millowners who were short of their usual quantity, and make them easy on the score of carrying out the contracts already entered into for later ship ments.

THE Monetary Times says that the manufac ture of wooden houses, in sections which can be taken apart and readily transported to our prairie lands, or to northwestern villages, is an important and likely industry. Such houses have been made in Chicago and St. Paul, for Dakota and Minnesota, and we believe they are made in Ottawa for Manitoba. We als glad to notice the formation of a company with a capital of \$120,000 for the manufacture of prairie houses. The principals are stated to be Robt. Hay, M.P., Mr. Colby, M.P., Hon. Dr. Schultz, Messrs. Dawson, E. A. Pew, of Welland, and Hilaire, of Montreal. The factory will be situated at Welland.



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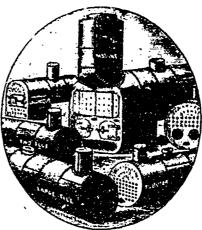
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Market Reports.

MONTREAL.

From our own Correspondent

MAY 23rd.-The heavy rain which this region has been visited with during the past 24 hours seems to have put new life into all kinds of business, and will help the movement of logs in some of the streams running into the Ottawa, which it was feared would not be got out on account of the lowness of the water. The consumptive demand in our local market has been moderately active and considerably larger than last year at this time. Prices are well sustained, as dry seasoned stock is not by any means in over supply. The cut in the lumber districts this season has been pretty large, and stocks are expected to be fully maintained here. We quote prices steady as follows for sound lots, ex yard :-

Pino. 1st quality. \$ M	835 UO@40 OO
Pine, 2nd " 3 M	22 00/324 00
Pine chinning mile 23 11	14 00/0615 00
Pine, cull deals, & M	8 00@12 00
Pine, mill culls, N M	8 00@10 00
Spruce, 2 M	10 00@11 00
Hemlock, W M	9 000211 00
Ash, run of long culls out, & M	16 000:18 00
Bass. ** ** ** ** ** ** **	16 006217 00
Oak, \$9 M	35 00@45 00
Birch, WM	17 00(420 00
Hard Maple, ♥ M	18 00/425 00
Lath, VI	1 5000 0 00
Shingles, 1st, WM	3 000 0 00
Shingles, 2nd, VM	2 0000 0 00
*	
SHIPPING	

Large quantities of lumber are arriving awaiting shipment by the first chartered vessels. The delay caused to shipping by so much ice in the Gulf has kept vessels back, although not much later than last year, when the first vessel to the River Plate sailed on the 9th of June. As there are a large number of vessels to load, shippers will soon be very busy. No rafts have as yet passed the city.

PREIGHTS.

There has been several engagements of ships for lumber to South America since the date of our last report, at \$14, while steamships for direct ports in the United Kingdom get from 55s, to 60s.

CORDWOOD.

Wood is plentiful just now, but as little wood was get out this season in Upper Canada, the prospects are that it will be scarce and prices at this moment are very firm, but the demand is poor, as is usually the case at this season of the year. We advance some of our quotations this week for wood on the wharf, ex cartage :-

Long Maple	27	00
Short "	6	50
Long Birch	6	60
Short "		
Long Beech	5	50
Short "		
Tamarack 4 50	ઉડ	00

TORONTO.

From our own Correspondent.

Mar 22nd.-Sales have assumed a brisker aspect since I last wrote you, and most of the yards are now fairly active and prices remain firm, with a decided scarcity of dry lumber, in fact 11 in. dry picks and cut up cannot begot in any quantity, factory men being the only ones possessed of any stock of this description; but the quantity of building material to be used in this city this season will be far below the two preceding years, as speculative building has been most effectually choked off, and is now being carried on by only two or three individuals whose credit remains as yet unimpaired, and lumber dealers have now come to the conclusion that if they undertake to deliver a bill of lumber they have a clear right to know when and by whom they are to be paid. Heretofore in numerous instances the lumber has been delivered and used in the buildings, the bricklayer and carpenter, and in fact all tradesmen whose labour had gone into the buildings, made themsolves secure by lien, and if the speculator failed to complete his contracts, the mortgagee steps in and ta _s possession, and the lumber dealer may whistle for his money. This, I venture to say, is a state of things that has no right to exist in any country. The lumber has gone exist in any country. The lumber has gone into the buildings, and the mortgages has value, if not, the fault is his own, but in any case the one who delivers any material that goes into the construction of any building should be able to collect from someone for that material.

Shipping over the docks is still fairly active, but a prevalence of east winds during the last two weeks has somewhat retarded vessels from making speedy trips, and one noticeable feature in present shipments is the small quantity of good lumber going forward, which may be partially accounted for by the fact that owing to to the good prices offered last fall, nearly all the good lumber fit for shipment went forward before the close of the season, and some by rail during the winter month, so that we need not look for much clear and picks to go forward until this season's cut is fit for removal, and the percentage of good lumber obtained from a season's operations is far below that formerly obtained from stocks cut on the frontier town QUOTATIONS, FROM TARDS.

			NO, FROM THEMS.		
MIII cull	boards	and sc	antling comiscuous widths	\$10	00
Shipping	cull b	oards, p	romiscuous widths	. 12	00
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l "	**	••	36 ft 38 ft	25	
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	f boar	rds "	*	20	00
Sound dr	essing	stocks.		16	00
Picks An	insu	ection		26	00
Three up	rers.	Am. ins	88 ft 40 to 44 ft	35	00
Lunah Re		ايموجمداد		80	ጥ
1 throat w	wing.	, GITASEU	1	16	ñ
1	::	tonki	d	on .	3
 		dressed	4	20	~
1 42	**	nuores	sed	10	Ϋ́
		arcac	d	💥	ŏΫ
lī."		undres	ised	. 17	οń
3 Beaded	Shecti	ng, dres	iscd	22	ξÚ
Clapboard	ling, d	ressed .		12 (60
XXX SAW	n shin	gies, 🤡	м 23	50(K3	œ
TYPE XX	shingl	les		2	75
Sawn Lat	h			2	50
		••••			
ł					

OTTAWA.

From our own Correspondent. MAY 24th.-Everything hereabouts is practi cally "booming," and the lumbering industry presents a hopeful outlook. Already a number of the season's cuta have been disposed of. Very little lumber remains on hand unsold, and there is none of last year's cut but what is sold and is being shipped. Lumber is in good demand and mills are in full operation. Mr. Huntley, the obliging agent in this city for the New York & Lake Champlain Transportation Company, informs me that shipping just now is exceedingly lively, but there is a scarcity of boats.

	BHIP, TNO	RATES	
at present are	as follows	:	
To New York, st	ocks and sid	ilngs	\$3 50
To Albany.	**	**	3 25
To Whitehal, To New York, st	"	<u>"</u>	8 25
To New York, at	rips and sho	rts	3 75
To Albany, To Whitehall,			
TO WINDERSON.		**********	50

MILL RUNS.

season's mill run, including all that a fair werage quality of logs will make (mill culls out), are selling at from \$15 to \$17 per M.

 culls out), are selling at from \$15 to \$17 per M.

 1x12 good stocks, 12 to 16 feet
 \$20a22 per M

 1x12 s. cull
 13cd16

 1x10 good stocks,
 15cd20

 1x10 s. cull
 12cd14

 1 ln. good stocks
 30cd35

 14, 14 and 2 in. cull
 30cd35

 11, 1s, act ull sidings
 10cd11

 14, 14 and 2 in. cull sidings
 12cd13

 14, 14 and 2 in. good strips
 12cd13

 14, 14 and 2 in. good strips
 12cd13

 12cd13
 12cd13

 12cd13
 12cd13

 12cd13
 12cd13

 12cd13
 12cd13

 12cd13
 12cd13

 12cd13
 12cd13

 Cull strips ... 70 0
Good strips, 6 to 11 feet long ... 16018
Culled strips ... 70 0

The above mentioned prices vary as regards the quality and width.

12 in 12 to 15 feet 813 per " 16 "19 " 14 " 14 " 15 " 17 " 17 " 17 " 17 " 17 " 17 " 17	ic.	DIMENSION LUMBER.		
"	Price.	Length. Price	Sice.	Si
"	\$13 per M.		Le in.	12
"	16		``	
"	15 **		**	
"	17 44	25 " 22 " 17 "	**	
"				
"	21 **	35 " 39 "	• •	
	25 **	40 " 44 " 25 *	**	

In larger sizes the prices increase in proper-

BUNNING THE BLIDES.

Square timber rafts have already commenced unning the slides at this city. Mr. C. Latour's is now being brought down. It is a splendid looking raft, some of the timber having a prime appearance. Considerable improvements have been made to the slides, which will be a great saving to the lumbermen in preventing accidents, which in the past were numerous.

A NEW ADVENTURE.

Heretofore the idea of navigating the lakes

above the Ottawa was not even thought of, but correct, make any change from these last given, the remarkable progress of the day has brought a wonderful change, and this summer witnesses steamboats plying on Lakes Temiscamingue and Kippewa. This gratifying innovation is due to the enterprising spirit of Mr. Oliver Latour, who has constructed two crasts to navigate those large bodies of water. These boats will prove a great boon to the limit owners in that part of the country, who will save three week's time in bringing the timber to the mills and markets. One remarkable incident connected with this enterprise is worthy of notice. The two engines and boilers and other machinery of one of these boats had to be transported a distance of seventy miles over a very mountain ous country. The task was considered as almost impossible, but the energy of Mr. Latour over came all obstacles, and the work was completed satisfactorily.

SEASON OF LOW WATER. Local millowners again this year fear a ope-

tition of last apring's low water, and conimpossibility of navigating the logs cut the past winter on the limits, and also those stuck last year, down to the mills. It some cases it is reported that cortain jobbers had so drag the logs over the ground a considerable distance, the creeks having dad up. This will entail an extra expense. If heavy rains do not soon fall, things generally will have a rather blue outlook. The timber that has reached the main stream will reach its destination all right. Nearly every bay on the Temiscamingue from the Kippewa up to the Fort is full of logs or timber, sometimes both. Mr. Latour, Captain Young, and Mr. Sireeney occupy the east shore, and Mr. Hickey the west.

CANADA'S PINE WOODS.

Mr. James Little, of Montreal, well known as having devoted many years' services in regard to forestry, was in the city a few days ago on business with the government. Mr. Little was one of the invited delegates to the American Forestry Congress, which was held some time ago at Cincinnati, O., and the next session of which will be held in Montreal in August next, about the same time as the meeting of the American Association for the Advancement of During a conversation with Mr. Little, that gentleman expressed gratification that the papers of this country had so generally taken up the question of forestry, and dwelt upon the rapid consumption of our supply of pine timber.

LONDON, ONT.

From our own Correspondent. MAT 23rd.—There is nothing of great interest

to report in the lumber business of this city since my last letter. You will remember that some weeks ago the merchants held a meeting and entered into a compact to sell only at uniform figures. This would appear to have been the most equitable and reasonable method of self-protection and protection to the lumber business of the city generally, but it has been clicited that parties to the compact made have broken their obligations, and have succumbed to the tempting tenders of cash down. cases, however, mostly apply to small lots purchased by farmers and carried out to their farms in their own wagons. The principle, however, is a dead letter, so far as any agreement in prices is concerned, and some of the honorable dealers who have striven hard to maintain the integrity of this agreement, have resolved to pay little or no attention in the future to these explosive consolidations.

Stock boards which were firm at \$16 are known to have been sold at \$15 and \$15.50.

Shingles also show an easier tendency, though at the mills prices are actually hardening.

The block pavement is progressing satisfactorily. There is no waiting for blocks, they are coming in by the train about twice each day, and are discharged into the very hands of the workmen. Mr. Cathro, the contractor, seems to understand his business.

Building hero is very dull, there being nothing of importance going forward with the exception of Birrell's new wholesale warehouse; other properties will, however, be proceeded with as soon as over brick begins to come in.

Though prices may be said to be somewhat easier, I could not, with any certainty of being

		MATIONS.		
Mill cull board	s and scan	tling		\$19 m
Shipping cull	DUBIUM, Dr	omiscuous	Willing	10 ~~
	10	and 12 in.	stocks	. 19 60
Common boar	us, promis	cuous widt	h#	. 16 M
Scantling and	jolst, up t	o 16 ft	********	18 M
- 4		18 ft	*********	10 60
" "	**	20 ft	*****	17 60
11 11	**	22 ft	*********	10 6
44 44	**	24 ft	***	- 40 M
Common stock	ka			14 00
Common 2 ln.	plank .		••••••••	10 00
Cutting up pla	nk sn.	wwin	• • • • • • • • • • • • • • • • • • •	10 00
Sound drossln	z stock.			
Clear and pick	-		**********	
Three uppers,				
inch dressed	and match	· · · ·	<u>.</u>	85 00
I "	and make	ica noomi		22 00
1	•		•• ••	22 00
**************************************	93 34		***********	
XXX sawn shi	uRics' 4 7	ι.		3 25
Lath per 1000	iect.		• • • •	5 00

ST JOHN, N B.

From our own Correspondent.

Max 20th.-Since last report very little of special interest has occurred in connection with the wood trade. The continued cold, dry weather keeps the freshets in the rivers and streams at a moderate pitch, and the driving and rafting of logs are in steady progress.

DEALS.

There is no change in the deal market. The demand shows no signs of abstement, and prices are firm at our last quotations. There is no accumulation of stock, shipments keeping pace with the production.

STEAMSHIPS.

With regard to steamships, the cry is, "still they come." The following steamers have ar-The following steamers have arrived since the date of last report, and several others are chartered to arrive:-

Rhiwindda, 1,329, Victoria, 2,031, Panama, 1,357. Stanmore, 1, S69, Juliet, 1,364, Italia, 1,451, Cid, 976. Coronella, 875.

PREIGHTS.

The freight market is still controlled by steam. Rates have fluctuated between 47s. 6d. and 50s.; we quote 49s, as about the market rate to-day. We hear of no exclusively deal charters by sailing ships.

SHIPHENTS

The shipments of deals and other sawn lumber are as follows :-

For Europe 12,554,000 Sup feet
" United States 2,846,000 "
" West Indies 104,000 "

SHIPPING.

The following is a list of the vessels in port, ith their tonnage and destinations:-Antwerp, 573, E. C. Ireland or W. C. England. Serrano, 594, Waterford.

Orontes, 740, W. C. England. Henry, 1,064, Liverpool. Rurik, 831, United Kingdom. Minnie Swift, 1,150, Liverpool. Low Wood, 1,091, W. C. England. Crown Jewel, 716, W. C. England. Melbourne, 621, Limerick. Maori, 656, discharging. Bertie Biglow, 1,142, Liverpool. Syringa, 605, Galway. Nordcap, 475, United Kingdom, Panama, (s), 1,357, France. Juliet, (a), 1,364, Liverpool. Cid, (e), 976, United Kingdom. Frisk, 619, United Kingd: Rhiwindds, (a), 1,329, Brisfol Channel, Anna P. Odell, 379, Doveti Dubrovscki, 640, Livernool, Stanmore, (s), 1,369, Bristol Channel. Italia, (s), 1,451, Glasgow. Coronella, (s), 875, United Kingdom. Kate Barrie, 691, W. C. Ireland.

ALBANY.

The Argus says dealers in pine lumber report a steady trade throughout the week at unchang-New York dealers, with whom od pricos. stocks of all kinds of lumber are very light, are not as yet free buyers in our market, yet they cannot go to the mills in Michigan or Canada and buy stock at the price they can obtain it here. The moderate receipts by canal are to be ascribed to the advanced freights at . Buffalo and Tonawanda to \$2.50 per M. feet to Albany; but few boats are to be had at that figure, and a still further advance is looked for by some houses here.

Very little, if any, dry lumber is to be had in Michigan or Canada; large sales of new cut are being made.

Hardwoods are firm in price and in steady demand.

Coarse lumber receivers report no change in

prices with a good demand; the receipts have been fair, giving the trade a well assorted stock.

Any increase in stock would lead to the piling up thereof instead of accepting lower prices. It is now ascertained that the logs which were floated over the Miller dam will not furnish a supply to exceed three weeks, even should the mills resume full work, which has to some ex tent been suspended by a strike thereat. The present prospect is that owing to lack of water and bad management the number of logs " jam med " at Miller s will be largely increased.

Freights are \$1.50 per M. fact from Bay City to Tonawanda,, and \$1.75 from Sagmaw to Tonawanda, from Tonawanda to Albany, \$2 50 Lake Ontario freights, \$1.20 from Toronto, and from Bay Quinto to Oswego, 90c. from Port Hope to Oswego. From Ottawa to Albany, \$3,25 to \$3,50.

Receipts of lumber at Chicago from January 1st to May 20th were 371,015,000 feet, against 220,000,000 feet for a corresponding period in

The receipts of lumber at Buffalo for the week reported are 10,250,000; at Oswego, 9,352,-

Quotations at the yards are as follows :-

Addressing at mic Juras use in the	
Pine, clear, & M	\$55 00@03 00
Pine, fourths	50 00(460 00
Pine, clear, WM Pine, fourths. Pine, solects	45 00(₹55 00
Pine, good box	22 00(#35 00
Pine, 10-in plank, each	00 3S(a00 41
Pine, 10-in, plank, culls, each	00 19(400 22
Pine, 10-in plank, cuils, cach Pine 10-in plank, cuils, cach Pine beards, 10-in. Pine, 10-in. beards, cuils	00 20(400 32
Pine, 10-in, boards, culls	00 18((00 19
	25 00(430 00
Pine, 12-in. boards, 16ft	24 00(430 00
Pine 12-in boards 13/t	20 00(423 00
Pine, 12-in. boards, 13ft Pine, 11 in. siding, select	23 00((10 00
Pine, 11 in. siding, common	15 00((19 00
Pine, 1-in. slding, select	40 006442 00
Pine, inch siding, common	16 00(419 00
Sprice hoards ouch	00 00((00 18
Spruce, boards, each Spruce, plank, 11-lu., each	00 00@00 20
Spruce, plank, 2-in., each	00 000000 30
Spruce, wall strips, cach	60 11(600 12
Hemlock, boards, each	00 00((00 13
Transact fold 4-8 each	
Hemlock, joist, 4x6, each Hemlock, joist, 2½x4, each	
Hemlock, wall strips, 2x4, each	00 20,400 10
Ash most 30 15	00 00000 20
Ash, good, ₩ M	32 00/430 00
Cherry, good, & M	60 00:470 00
Cherry, 2000, & M	\$5 000075 00
Cherry, common, & M	38 00/473 00
Oak, second quality, \$\frac{1}{2} \text{ M.} \tag{Basswood, \$\partial \text{ M.}} \tag{M.}	90 00 425 00
December 20 1	22 000425 00
1335W000, \$4.1	22 00(420 00
Hickory, ⊉ M Maple, Canada, ⊉ M	30 00(440 00
Maple, Canada, & Alvertain	25 00/428 00
Maple, American, per al	35 00%40 00
Maple, American, per M Chestnut, ₹ M Shingles, shaved, pine, ₹ M	22 00/440 00
Sningles, snavod, pine, & M	0 00% 6 00
2nd quality	0 00/2 4 50
extra, sawed, pine	0 00% 4 40
" clear, "	0 00% 3 40
CCURT, IIIIACU	0 00@ 3 25
CCURI, abababa accessor accessor	0 0049 4 00
" heralock	0 00/7 2 25
Lath, hemlock, N M	0 000 1 62
Lath, spruce, "	0 000 1 87
Lath, spruce, "Lath, pine, "	0 00% 2 70

CHICAGO.

May 20.—The Northwestern Lumberman says the receipts of lumber at Chicago during the past week show a material reduction from those of the corresponding week of last season, and nearly as great a falling off from those of the previous week of the current season, the proportionate decrease following the item of shingles. The falling off may be attributed to two or three causes, each of which have exercised a considerable influence. The labor strikes, and consequent shutting off of the manufacture at so important a point as Muskegon, could have but the natural effect of reducing the receipts of Chicago, which looks upon Muskegon as itz most important and extensive source of supply.

The Monday offerings were large, aggregating 32 vessels, while Tuesday brought but a light Wednesday found not a single vessel at the docks, and Thursday's offerings consisted of but one cargo—a load of shingles. The bulk of the week's receipts arrived at this port in the three or four days following the date of our last report, and the tendency of the market during those days was towards a weakness, especially on coarser grades of lumber and dimension stuff, which were but in light demand at a positive concession.

Short lengths of green piece stuff sold at from \$11 to \$13.50, and coarse boards and strips were sold at the same figures. Better quality and grado were firm at higher figures, ranging from \$11.50 to \$12.50, according to quality, length and condition of sear ming. The better grades of lumbor were, and at this writing are, firm at former quotations, good No. 2 log run of boards and strips rauging from \$14 to \$17, with No. 1 log run bringing from \$17.50 to \$22.

The state of the shingle market is one of firmness, prices as previously quoted being still unchanged, with a good demand and sales. Standards hold at \$2.70 to \$2.80, and A at \$2.85@2.95. Clears are not in the market, while much wanted, as are all the better and more favorite brands of other grades.

The total receipts of lumber have now reached 367,440,000 feet, and of shingles, 146,267,000. An excess over last season to the same date of 154,218 000 feet of lumber and 42,164,000 shingles, while the excess of shipments represent ing the increased trade of the season have reached 261,870,000 feet of lumber and 132,159, 000 shingles.

CARGO QUOTATIONS.

Short dimension, green	\$11	60(412	00
Dry	12	00(a12	541
Long dimension	19	606/17	00
Boards and strips, No 2 stock	11	BUKET!	w
No. 1 stock	17	00(#22	00
No. 1 log run, culls out	18	00/435	00
Standard shingles	2	70kt 2	80
A	2	85@ 2	95
Lath			40

Receipts and shipments of lumber and shingles for the week ending May 17, as reported by the Lumberman's Exchange .-

	RECEIPTS.		BHIPMENTS.		
	Lumber	Shingles	Lumber	Shingles.	
1882	46,128,000	20,470,000		33,500,000	
1881	.66,962,000	25,755,000	22,870,000	14,495,000	
Rece	ipts and	shipment	s of lun	nber and	
shingle	s from Jan	nuary 1, to	and inclu	ding May	
17th:-		• •			

RECEIPTS.		SHIPMENTS.			
Lumber.	Shingles.	Lumber.	Shingles		
1882 367,440 000	146,267 000	661,695,000	278,470,000		
1881213,222,000	104,103,000	509,825,000	166,320,000		
Inc.154,218,000	42,164,000	261,870,000	132,150,000		
2.4	KE RECEIPTS	TO MAY 18.			
1882		266,271,000	120,931,000		
1881	•••••	. 129,754,000	70,600,000		
Increase		136,517,000	50,3,1,000		
STOCK ON HAND WAY 1.					
	1882.	1881.	1880.		
Lumber	204,244,311	223,250,644	238,483,874		
Shingles	104,027,305	73,005,575	115,116,000		
Lath	10,611,535	21,033,758	23,735.360		
Pickets	1,87,993	2,693,844	070,259		
Codar posts	159,937	850,027	75,728		

BOSTON.

May 20.—The Journal of Commerce says the market during the week has shown no special change since our last. As far as can be learned, the demand is very fair for most grades of stock. Everything is running smoothly in this market. In New York and some of the other large cities, it is reported that trade has fallen off somewhat owing to the opposing views of capital and labor. Of course, if this dissatisfaction continues, the feeling will spread and we will be just as badly off as the worst. It is to be hoped however, that the trouble will be settled ere Until then the future of the market must of necessity be very uncertain. It is reported that concessions have been made on some large lots in New York, but this is not substantiated by any real change in quotations. Most of the yards hereabouts have a very fair assortment on hand, and are really better prepared to meet the wants of customers than was anticipated. At present buyers in all the principal markets are taking hold very cautious Regarding hardwoods, it is sufficient to say that the better grades are in fair demand, while

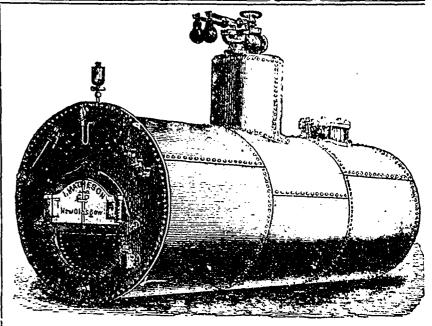
culls and the like are slow. We give quotations

Selects, Presend	3 CO (30 CO
Shelving, D d. 1sts 40	0 00:442 00
** ** **	3 00,e35 00
Dressed Shippers 27	, 00 ⁴ 50 00
Dressed Box	00 025/200
Sheathing, 1st quality 4:	2 04. 45 00
" 2nd " 3	6 00x35 🐣

OSWEGO, N.Y.

We change quotations on some grades. Prices are still firm, though the market is filling up rapidly. Assortments are good, and trade has been only fair during the past two weeks.

Three uppers	842	915.00	ωl
Three uppers	32	00/136	00
Fine, common	20	00x25	∞ :
Common.	14	00/117	00
Calls	11	00/414	∞ l
Mill run lots	18	00x25	00
Sidings, selected, 1 inch	23	000110	m
1) inc	34	00/410	00
Mill run, 1x10, 13 to 16 feet	17	00:725	00
enlected	0.5	00.435	m
Stripe, 1 and 11 inch mill run	14	007720	00
culls	21	00,714	00
Ix6 selected for clapboards,	25	00,135	00
Shingles, XXX, 18 inch, pine.	4	COVE 4	80
XXX, 13 inch, cedar	3	00/7 3	00
Lath	1	50.0 1	80



BUFFALO. We quote cargo lots:-Culis.....

TONAWANDA.

CARGO LOTS SAGINAW INSPECTION.

LIVERPOOL.

The Timber Trades Journal, of May 13th, says.—There does not appear to be any signs of a more lively tone of business setting in, as, ed. with the exception of a few good orders, there has been very little done during the past week. The feeling of uncertainty as to the future course of trade during the approaching import season, which for some time past has been predominant in the minds of those engaged in the timber trade, has been intensified by the lamentable occurrences in Ireland, and the unsettled position of politics.

On Friday last, the 5th May, Messrs. Farnworth & Jardine offered at their sale sheds, Regent Road, one cargo of spruce deals in store and soveral parcels of Quebec pine deals. The attendance, like at most of the recent sales of whitewood, was composed chiefly of the local merchants, the country buyers being very the curative power of Hop Bitters; besides it is scantily represented. There did not seem to be scantily represented. There did not seem to be the oest rainly inclinion on earning much spirit of competition shown, but the sellers, though willing to meet the market in some degree, were yet moderately firm, and curred of dyspepsia and liver troubles with withdraw several lots rather than take the bids offered. The Quebec pine deals were apparent. offered. The Quebec pine deals were apparently not wanted, as there was scarcely a bid for any of the lots, and all were withdrawn unsold.

GLASGOW.

The Timber Trades Journal, of May 13th, says:—Wood imports to Clyde during the past week show about 4,000 loads in all, consisting of one carge of pitch pine, two cargoes of St. John, N. B., deals, and miscellaneous parcels of American and Austrian oak planks and billets, also staves, etc. There is a marked increase in the number of staves (New York, etc.) imported this year so far compared with last, and a new feature in connection with this is the parcels of American dressed staves that have been arriving within the past few months. A large consumption has evidently been going on, the stock of staves at present in first hands here being quite! moderate.

Of New Brunswick deals the quantity imported is considerably under the number for ! corresponding period last year. One of the arrivals from St. John, N.B., above referred to was per steamer. The bulk of the wood import. (MONTREAL

ed to Clydo since the beginning of the year has consisted of pitch pine, the arrivals of which have been sufficiently large considering stock held, although under last year's import at corresponding date to the extent of about 9,000

At the auction sale noted below the demand Three uppers ... \$43 00.748 00 | At the auction saie noted below the demand Common ... 20 00.422 00 | was quiet, consumers apparently buying only Culls ... 14 00.615 00 | for immediate wants, but prices are being pretty well maintained, and as trade generally is not seriously depressed at present, and stocks comparatively moderate, a hopeful view of the tumber trade here may reasonably be entertain-

> On the 4th of May, at Greenock, Messrs. Wright & Breakenridge, brokers .-Quebec Waney boardwood -

ď	' 60 c. IL averagesper logs	2s. per	re f
	Do. clm—	1s. 9ld.	**
J	Quebec 4th pine deals-		
1	13 ft. 11×3	111d.	••
ч	13 & 14 " 8/24 x 3	111d.	14
ı	13 " 7/10×3	11d.	4.
	10 & 11 " 7/16 x 3	11d.	44
	Quebec 3rd pine deals-		
i	12 ft. 11×3	Is. 2\d,	"

LEATHER BELTING.

Chipman, Renaud & Co.

LEATHER BELTING, FIRE ENGINE HOSE LACE LEATHER, &c.

124 & 128 Queen St.

D. McLACHLAN & SONS,

BOILERS STEAM

SHIPS' WATER-TANKS. Repairing Punctually Attended to.

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SPRUCE, PINE #HEMLOCK SHINGLES

OWNERS STEAM SAW

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The Canadian Steam Users' Insurance Association HEAD OFFICE, 9 VICTORIA STREET, TORONTO.

SIR ALEX. CAMPBELL, President. HON, JNO, McMURRICH, Vice-Pres GEORGE C. ROBB, Chief Engineer A. F. JONES, Secretary-Tressurer, 1-13

WILLIAM

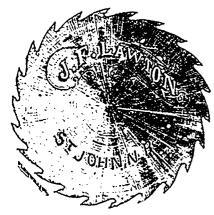
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Edge Tools, Axles, Springs,

&C, OF EVERY DESCRIPTION.

Robertson Place, Smythe Street

ST. JOHN, N.B.



J. F. LAWTON Alexandria Saw Works SAINT JOHN, N.B.

Saws of all kinds manufactured from the BEST CAST STEEL that can be procured in any Market.

EVERY SAW WARRANTED.

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JONES & SON,

Wholesale Lumber & Timber Dealers

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And all other Rinds of HARDWOOD LUMBER.

White and Yellow Pine Lumber and Timber. Oak Ship Plank and Timber. Pine Deck Plank and Ship Stock Generally.

Steam Engines and Boilers,

AND ALL KINDS OF MACHINERY.

Locomotives, Stationery and Marine Engines and Boilers, Girders, Heaters, Radiators, and all kinds of Steam and Brass Fittings and Sheet Iron Work; and dealer in all classes of Railway, Steamboat and MILL SUPPLIES.

144 Upper Water Street, HALIFAX, N.S.

${ t To} \ { t MILLMEN!}$

as new, cuiclent, and exceeding is a new, cuiclent, and cacecong is equally well adapted to grind saws of every description. Wheel is moved as one if it is just THE THING for mills, cutting from one in lumber, and costs no more than one-fourth to one-tenth the price of lettle otter machin United States and Canada, and is made in Weisport, Pennsylvania, and in Amherst, Nova

Hodgson's Patent Monitor Shingle Machine

combines, at a moderate price, more points of excollence than any other. Jointer is built in machine, a few inches from the saw. The cast attect feed rolls are opened by a foot lover, and grip the block like a vice. Traverse of carriage to suit large or small stock, is under control of operator when running. Will run for days without cutting a shim. Warranted to cut, with one attendant, three thousand in an hour, under forefuture of \$100. Send for circulars to

T. HODGSON, AMHERST, NOVA SCOTIA.

Northey's Steam Pump Works

BOILER FEED PUMPS,

AIR AND CIRCULATING PUMPS,

STEAM FIRE PUMPS, and WRECKING PUMPS.

PUMPS SPECIALLY ADAPTED for OIL PIPE LINES,

And CITY WATER WORKS.

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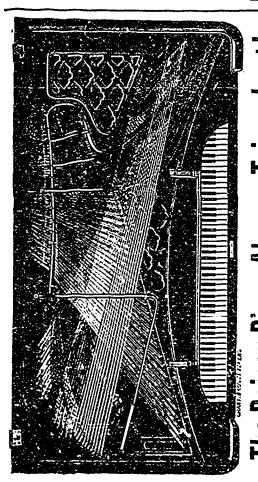
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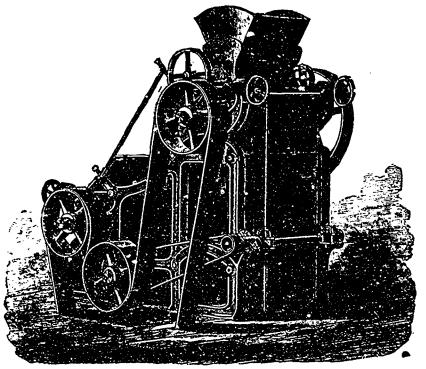
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The Grain passing down from the hopper and over the feed roll, passes through the first or upper pair of rolls and on to the first or upper sieve, where a complete separation of the product is made, the flour and middlings passing through the sieve and out from the Machine, and the large unreduced portion passing over the tail of the sieve and through the second or lower pair of rolls, when a second separation is made. Each Machine makes two reductions and two separations.

The Machine is perfectly adjustable, the same devices being used as on the simple roller machines. The same feed gate and roll is used, and the same adjustable and self-oiling boxes. The Machine is driven by a single belt. Both pairs of rolls can be spread simultaneously when teed is stopped. The Machine is NOISELESS and DUSTLESS.

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Gravenhurst, August 20th, 1880.

WM. Hamilton, Esq., Peterborough.

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Yours respectfully,

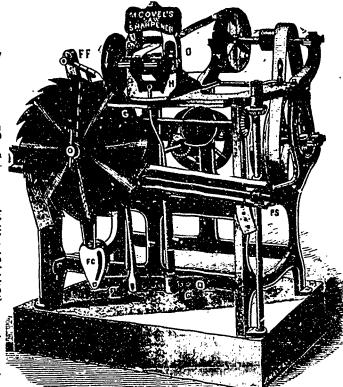
WILLIAM TAIT,

Lumberman, Gravenburst.

TORONTO, August 11th, 1880.

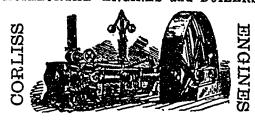
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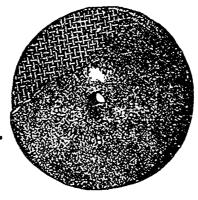
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