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## THE CANADA LUMBERMAN.

## BIOGRAPHICAL SKETCHES.

NO. 1.
IOHN DONOGII first opened his eyes in the city $\mathcal{U}$ of Toronto during the eventful year of 854 , consequently he is not an authority, except from reading and hearsay, on the Crimean war, or that free trade period of Canadian history so frequently alluded to by a section of our press, as the only prosperous and progressive epoch since Jacques Cartier stumbled on to our eastern shores. Sume ten !ears of jurc.: ile life spent at Mono Mills, (then in the "bush,") laid a good foundation for his future development of bone and muscle. Subsequent school training received in Toronto fitted him to face the world and carve out a livelihood.
He commenced to carve by delivering "jerked lightning" round the city for the Montreal Telegraph Co., and graduated from the desk of that company to "jerk" slivers out of his fingers when showing lumber to customers for S. R. Briggs, the pioneer lumber merchant of the Queen city.

In 68 there was a slight difference between the office help and furnishings of a lumber firm and the equipment of similar offices in'gl. The assistant was a Pooh Bah, and as such waded through the duties now performed by the telephone, the office boy, bookkeeper, city salesman and correspondent. To S. R. Brifgs must be given the credit of establishing the wholesale, jobbing or middleman trade of Toronto, his business being almost confined to the disposal of car and vessel lots.
Under such training a man had lumber "greatness thrust upon him," and the subject of our illustration found himself in '76 so "choke" full of logs, lath and lumber, metaphorically speaking, that he embarked in the lumber trade on his own account on the retirement of his employer from. active business life.
Joseph Oliver, (a saleṣman for Briggs) T. S. ITcCool and John Donogh, composed.the new firm, whose shingle suspended over the doorway of 37 Adelaide street, cast, read : "Donogh, McCool \& Oliver.". Some six months spent in their modest offices bualt up a trade which compelled them to seek more commodious quarters, and they -emurad tu the Inperia? Rank huildings nn Exchange Lane In.'Sa Mr. McCool withdrew from the partnership, leaving the firm to prosper under the name and style of Donogh \& Oliver. On the opening of the new Board of Trade buildings, the firm rented a suite of offices on the secend fioop; overlooking Yonge! street, Nos. $=13,214$ and 215 .
The business of the firm is confined to jobbing alone. They operate no limits, nor do they possess any mills. Purchasing agents cover the ground at all points, who keep them well informed of the quatity and quantity of cuts ; and agents and salesmen scattered over the inland towns and villages of-western Ontario dispose of stocks for the home trade.
The season's output-of a great manymills are purchased and sold locally, provincially and to the ?nited States as far cast as the Atlantic.
In that class of lumber merchaniṣ who do not manufacture and sell wholesale, it was generally conceded that Christic, Kerr \& Co., S.C. Kanady $\$$ Co., and Donogh \& Oliver led the van. The failiore of the first two firms, the extra facilitics obtained and employed
for purchasing, and a constantly increasing foreign trade, have pulled the firm to the front, and in volume of business they head the list as jobbers.
We selected Mr. Donogh as a subject of our first sketch, from the prominent position is occupies as the ex-chairmanofthe LumberSection of the Board of Trade and now the occupant of a seat in the council, where for the first time lumber is strictly represented. His executive ability, backed by such an influential body, must result in redrescing some minor evils that inter. fere provincially with the lumber trade, and the voicing of their resolutions by him, will carry the weight of a member thoroughly determined to fight for any reform, or to oppose any encroachment.

## PERSONAL.

Hon. Mr. Joly de Lotbiniere has been strongly urged to be a candidate for the forthcoming election for the Province of Quebec, but has refused the honor

Amongst the nominations on the 27 th ult, we notice the names of quite a few prominent lumbermen. East Bruce has two in the field, Cargill, ministerial, Truax, opposition. Ottawa has also two, Robillard, ministerinl, Nagle, independent. Ministcrial candidates were nominated as follows: Dickenson, Carleton Co.; Desjardins, Hochelaga, Que; Bryson, Pontiac, Que. Desjardins, Hochelaga, Que; Bryson, Polntiac, Que.
Opposition nomines are: Schell, (ilengarry; Walopposition nominces are: Schelloralon Cook, Simcoc ; Edwards, Russel; Prefontaine, Chambly, Que.; Meigs, Missisquoi, Que. The conservatives lose two old representatives in Rykert, of Lincoln, and Wright, of Ottawa Co., Que. In the retrement of Alunzo Wiegh, thic Duminion, nut the Conservative party alone, suffers a national loss. lrrespective of race or creed, few men in the House of Commons held a higher reputation for honesty and few sacrificed so much time and personal interests. rew sacrificed so much time and personal interests.
Many patizan eauses are advanced as to his reasons Many patizan causes are advanced as to his reasons
for voluntarily giving up his seat, but it can be presumed that a man who knows so much about public questions of the day, knows enough to gunge correctly his own private reasons.

Mr. Jas. Dollar, who was mjured on the railway New Year's night, is still confined to lus room at Bracebridge Ont.
Messrs. Fred. Tayles and Charles Marshall, yf Orillia, have gone to woth on a shall, Nir. Wma, That is erecting in Bratish
mill Mone Columbia.
T. J. Hammill, Barrie, Ont., a prominent lumbermen, was prospecting in British Columbia last month.

Mr. Wm. Mackas; lumberer, Otana, Ont, with his son and the two Misses Mackey, left by the G. T. K. on the 2oth on it trip to California.
T. S. Higginson, Crown Timber Agent in l3ritish Columbia, had his leg broken in the railuas ducident whic $h$ happened on the Canadian Pacific near Schreiber, a station on the Lake Superior section.
Vm. Stahlschmidt, manager the Canadian Office and School Furniture Co., of Presion, Unt., went west on the 17 th ult. to sumenntend the placing of several car loads of opera chairs, school desks, ctc., in Manitoba and British Columbra.
John Mcheean, the journalistic father of protection, died in Toronto on the 13 th. The deceased was born in Glasgow in 1825 emigrated to Canada when a boy, and with his parents settled in Brantford, Ont. Before entering journalism in 1863 on the Hamilton Times, he operated a savmill at Seneca, Ont. on the Grand river. When the Mail was established in 1870 he was the Mail was established in 1870 he was
its protectionist editor for eight years, and followed up his theory on the World, contributing largely to that journa!'s ethics, autonomy in Lanadian commerce, ecuc.at tion, nationality and patrotism.
Mr. T. S. Higginson, Dominion lands

## Mr. John Donogh.

H. Cargill, M. P., one of Bruce county's big lun:bermen, was in the city during the month.
G. W. Brisley, a well known and much respected mill man, of Fesserton Ont., dropped dead from heart disease two weeks ago.
Mr. W. Edwards, a well known lumbernan and late atember for Russeli, is again the Reform candidate for that constituency. Mr. Edwards is a capable man and will likely lead his party to victory on the $j$ th inst.
We were pleased to meet in the office of line. LumBERMAN, Mr. Win. Foster, lumbri dealer, Owen Sound; W. C. Irvine and Mr. Chas. Ashby, of Pontypool.

Mr. John-Stah who had been seriously ill at Quebec, has reluined to London, Eng.
Mr. Benjamin W. Arnold, the well-known lumber king of Spanish river, died at his residence in Albany, N. Y., last month. His demise will be learned with deep regret.
agent at New Westminster, was far less injured in the Canadian Yacific Railway accident near Sehreiber thare at first repolted. His leg is severely bruised npt broken.
Mr. Harcourt Smith, of Quebec, who is now in Lon don, Eng., will prolong his visit until the spring.
Mr. Francis Magure, the well known lumberman, of Ottawa, is assisting the Reform candidate in Ren frew Co., and Mr. A. Miscampbell, M. P. P., of Mid land, is opposing his fellow Jumberman H. Cook, in Simcoe Co.

Mr. R. S. Wilson, at one time a member of the lumber firm of McCrancy, McCool \& Wilson, this city, and now with Messrs. ' iV. N. McEachren \& Co., was mar ried to Mirs. S. Irving recently. The Lumberman extends its best wishes for the future happiness of the newly-made twain.

We wind up our fatalities and casualities with a reorganiziation of the old saw, awating the record of the saw for April. "Tree spare the woodman" "Saw spare the sawyer."

## THE CARRYING TRADE.

AST issue we dealt somewhat at length vith the lake trade, its volume and character, and we gave approximate land and water rates of carringe. The contrast was greatly in: favor of slack wate carriage compared with railroads. While the lakes and rivers havereceived much attentionat theitands of the governments of the United States and Canada, it is questionnble whether a proportionate expenditure has been extended to them when contrasted with the varit sums advanced by the Gorernments to the railways. The volume of trade has increased so rapidly that the governments could hardly pause to nicely adjust proportionate expenditure. It is now; however, clearly shown that both the railways and waterways are required to relieve thr congested cendition of the carrying trade, and no doubt more attention to the waterways will be given in the future. Much can yet be done by more accurate surveys, increasing the number and efficiency of light-houses, signals and fog whistles, as well as removing interruptions tocontinuous voyages. The chief and most costly improvements, however, are the removal of all impediments to deep and more extended water navigation. Compared with the advantages to be gained, a moderate expenditure would enable vessels drawing deep water to pass from the ocean to the head of Lake Superior. It was long a problem whether the railroads would not supercede the water ways, and beyond question close-water barge canals cannot compete with the railroads and are almost entirely behind the age. It is now quite clear that for heavy freights, deep slack water far excceds the railroads.
Human invention is equal to furnishing anything essential to the existence or comfort of the race. Up to the present we were content to adopt uniform railways. Nearly the entire system in North America has been brought to the standard guage of 4 fect $81 / 2$ inches, and we have pressed for uniform waterway capacity. The requirements of trade liave led ingenious engineers to contrive of late a combination of water and railways that will overcome impediments to shipping at much less cost and with much speedier carriage. The invention of the ship railway so constructed as to lift vessels of any tonnage freighted with full cargoes, carry them over the impediment and safely land them in the water on the other side, is but now matured, and has not been yet tested on a large scale suitable 10 ordinary business purposes. There is no doubt, however, that this can be accomplished with perfect case and safety. There will in the near future be: (1) The railways. (2) The water ways, slack and close water. (3) A combination of both, being part water and part rail. There will therefore shortly be introduced a new factor in the carrying trade that will play a prominent part in this far-reaching question.

Of late few have doubted that the lake trade would be permanent or that its volume would continue to increase. Freight can be carried from St. Louis, by way of Chicago and the lakes, for upwards of a dollar a ton less than by way of the Mississippi, through the Gulf of Mexico and Atlantic Ocean io Nell York city. This fact will clearly show to those who have given the subject any consideration that if a line be extended West from St. Louis to the Pacific the country north of it from that occan will be within the carrying influences of the lakes, and the inhabitants will be able to avail themselves of the waterways with theis reduced rates, or will be able to obtain rates from the railways affected or moderated by the lake charges. This territory north of such a line includes thousands of miles of inland water communication on the Mississippi and Missouri and their tributaries, besides the enormous trunk railway systems leading from the west across the country to the lakes. This immense country is yet, where inhabited, sparsely populated, Eut much of it is entircly unsettled. A few years only in the future will pour fiom $20,000,000$ to $30,000,000$ additional population on to this territory in Canada and the States within the carrying influences of the lakes. There is no unoccupied position of the globe that is equal to the territory above indicated as a fertile agricultural country; Both animal and vegetable life attain to the healthiest and greatest perfec.
tion. It is well known that in the cast on the other hand the manufacturing population is increasing, and as there is unrestricted freedom of trade between all the States of the union it is quite apparent that the west will continue as now to raise agricultural products for the cast, while the cast will continue as now to manufacture those utensils required in the west. We have then the one set of producers in the west increasing and the other in the cast also increasing, separated by long distances and the lakes lying between them. It is therefore manifest that large as the present volume of freight is it only gives indication of its future gigantic proportions.

The question then naturally arises, is it possible to afford such facilities for the transportation of freight, by any or all the known methods, as will lessen the rates in the interest of both producer and consumer? Is it possible to increase the speed of transit and the safety of the carriage at a less cost than present paying rates?

Until some enterprising company takes a new departure, and improves upon the present guage, the construction of the rolling stock, and the carrying capacity of the car, the railway charges cannot be greatly lessened for rough freights.
No scientific scheme has yet been advanced by which as great speed can be obtained on the water as on the land. The railroads must therefore in the future as in the past continue to carry all the passengers and light and perishable fretghts, and these afford no inconsiderable part in the gross earnings of the roads. The great Trunk lines have so lately attained to their present importance that sime has hardly established their relation to each other or the public at large. In the past the attitude of the great trunk lines to each other may be briefly said to have been cease. less war. This severe competition has been the safety of the public in the past, but efforts have already been made to put a period to the prevailing strife. We now hear more of combinations than cutting rates. It is stated that J. Gould is now endeavoring to bring some 75,000 miles of railroad under one joint management. This means nearly half of the railways in the United States. The relationship of the trunk lines to each other and to the public may therefore shortly be entirely changed, not in the direction of reduced charges, but where not held in check by water competition, of increased rates for carriage. Of course the government has always the po:ver of interfering, and might at any time establish a court with wide discre. tion to prevent exactions and discriminations. Such a court would meet immense hostility, and it is questionable whether with our partizan ideas, any government seeking to enforce its decrees could be sustained on a popular vote. The railways are therefore not likely to voluntarily reduce the charges for carriage.
In an improvement of the waterways, or the waterways and railways combined, the safety to the public lies. Many schemes within the last hal. century have been projected with the view of accomplishing this purpose. All had the same object in view, though they all.differed to some extent. The idea common to all was the necessity for affording free passage-way for vessels of large draught from the great lakes to the ocean. Now that the volume of freight has greatly increased sume course must at once be adopted to effect this object. The water-ways are open to all. Any one with sufficient capital can put a vessel on the lakes and defy monopoly or combinations and therefore in the application of a generous policy to the lakes and rivers rests the safery of the public and the relief of the producer and consumer.

Let us indicate some of the schemes projected, all of which have reccived more or less support, and some of them are still under discussion.

Commencing at the south-east end of-Lake Michigan, a ship canal, or ship railway, has been proposed to run to the west end of Lake Erie, thence by that lake to Buffalo ; there to be transhipped to the Eric canal (perhaps enlarged) or to the railroads and on to New York city. Part of this scheme includes the enlargement of the Welland canal, or the construction of a ship canal or railway; between Lake Erie and Lake

Ontario. The first part of this route is intended 10 bencfit Chicago chiefly.

In reviewing the lake trade generally, without specially consulting the interests of individual ports, the chicf objective point is some distance east and south of the straits of Mackinac, where ships after passing down the Ste. Maric's river fron Lake Superior on their journcy south and east join those from Lake Michigan. From this point we have proposed improvements of the St. Clair Flats and the navigation generally on to Buffalo, then as before to New York or Lake Ontario.

A canal or tailway from the Nottawasaga river to the mouth of the Humber. A canal by way of lakes Simcoc and Scugog into Lake Ontario near Whitby, A canal through lake Simeoc down the Trent river to the Bay of Quinte.
Finally, a barge or ship canal, from Georgian Bay up French river, through Lake Nipissing, across the divide into Trent Lake, on to the Ottava river and down to Lachine on the St. Lawrence. A brief examination in a future issue of the above projected schemes will enable us to ascertain how relief to the carrying trade can be best effected.-Camadiant Mfiller.

## JARRAK WOOD.

The new "Kew Bulletin" contains an interesting section on the properties and uses of the Jarah wood, a species of cucalyptus, native of Western Australia. The main difficulties in connection with its use in this country are the cost of freight for such heavy timber from Australia and its intense hardness, which makes it difficult for ordinary English carpenters' tools to work it. The tree which produces it grow: generally to a height of 100 feet, and sometimes 150 fect . It is found only in Western. Australia, extending over the greater portion of the country from the Moore river to King George's sound, forming mainly the forests of these tracts. According to Baron Muelder, when selected from hilly localities, cut while the sap is least active, and subsequently carefully dried, it proves impervious to the boring of insects. Vessels constructed solely of it have after 25 years' constant service, remained perfectly sounc although not coppered. It has been tried at three places in the Suez canal, and, after having been down seven years, the trial sansples were taken up in order that a report on their condition might be sent to Paris. From certain correspondence between Kew and some London vestries, it appears that jarrah has lately been used by the Chelsea vestry frory paving the King's road, and by the Lambeth vest in the Westminster bridge road.-Enginecring, London.

## A LBVELHEADED BOY.

A BOY about fifteen years of age applied to a factory on Atwater street for she job of running a small engine in the place of a boy who had quit.
"Have you run an engine?" was asked.
"Yes, sir."
"You understand how steam works, do you?"
"I do."
"You know that watè makes steam ?"
"Of course."
"How is water got into a boiler?"
"By an injector."
"Suppose you have got too much water?"
"Then I can't get steam enough until I draw it down."
"Correct. Suppose you baven'r enough?"
"Then look ourfor an explosion."
"Correct again. Suppose you found the water almost gone, and couldn't start the injector-what would you do?"
"Come up stairs and notify you to get your insurance policies out of the safe and inake a sneak before she busted!"
"You scem to be all right young man, you can come on in the morning."-Detroit Free Press.

A fire under a boiler should not be hurried too much but should be left to gain its full strength slowly. This is done easíest by putting in only a small quantity of fuel at a time.

## THE NEWS.

## ontario.

-Albett Bird is starting a sash factory at Stitling.
-Lefroy will shontly have two sanv mills running.
-Amos Vaughan, lumler, Port Atthur, has failetl.
-At Warminster Mr. D. Baker has erected a mill.
-Londesborough station sard is blocked with sair logs.
-E. M. Frallok, planing mill owner, of Napance, has nssigned.
-J. A. Cook's new shingle mill, at Sundridge, has consmencel cutting.
-The cedar mill, Deseronto, commenced running alout the first of the month.
-Large shipments of tanbark and ecdar posts ate being made at Owen Sound.
-The Muskoka Mill and Lumber Company's eut of timber this season will be $6,000,000$ feet.
-Thirly men and ten span of horses are drawing the season's sut to Dollar's mill, Brunal.
-Mr. Houston intenils putting in a new saw mill on his lot west of Lavender, in the near future.
-The old Wilson grist mill property in Dundas has been purchased by a Mr. Fietcher, of Alliston.
-E. C. Lewis, of Eiford, has been shipping large quan. tities of lumber to Detroit during the month.
-Thos. Griffith, Manitoulin, has skidded up to date 6,000 logs and 12,000 pieces cedar for paving and ties.
-Mr. Chew, of Midland, has taken the contract this season again to saw the cut in the Severn Brisge mill.
-Mr. Shorburd's saw mill, Hillsdale, is sawing a large quantity of lumber for the Toronto break water.
-Rees \& Lozar, Woodslee, commenced running their stave mill in January, with a yard full of timber for bolts.
-Thos. Bailey's new saw mill, at Malden, las a capacity of 7,000 feet per day, not 70,000 as an exchange has it.
-Along the river banks at Coldwater a larger quantity of loss have been "dumped" than in any previous year.
-John Burton, Sr., of Rugby, recently purchased the village saw mill, put it in thorough repair and has cominenced cutting.
-T. Taylor, East Wawanosh, has the frame of his new saw mill erected, and intends getting in the machinery as soon as possible.
-A train of teams drawing 140 barrels of pork left Ollzwa for the shanties of W. C. Edwards \& Co., at the Desert, on the 16 th .
-Wood Bros., of Tamworth, are fitting up their mill, putting in a new shingle machine and getting out large quantities of cedar.
-Walter James, of Cottam, is shipping large quantities of lumber and clearing off the stock be had on hand previous to selling his mill.
-The yards of Wingham's three saw mills are so crowded with logs that plank roads are laid upon the lower tiers to allow teams to unload.
-The burning of McLaren's mill at Ottawa throws seven-ty-five men out of employment, and the employees lose $\$ 50,000$ worth of tcols.
-Duff \& Stuart, of Bluevale, have sawn this year over 150 ,coo feet of custom work. From 60 to 70 teams are delivering logs to their mill yard.
-The particulars of last October's sale of crown lands west of Port Arthur are promised by the Ontario Government before the present session is over.
-Blythe is reaping considerable benefit from the monthly payment for logs delivered at Gray, Young, \& Sparling's mill. The average is $\$ 3,000$.
-Around Dundalk this season immense quantities of c.mar are being cut for contractors. Every variety of saleable timber is being hauled to the R. R. depot.

- Faul-Rissonette, merchant, of South Casselman, has cmbarked into the lumber trade and is shipping. large quantities of cordwood, etc., from Bearb:ook.
-The big lumber deal in which the Rathbun Company was to buy out the Gilmour. concern has fallen through, and the Rathbun's lose their deposit of $\$ 10,000$.
-James Bailev, agent for Thos, Caldiwell, and James Hough, bush-ranger for Thistle, Carswell \& Mackay, were engaged in travelling Caldwell's limit, near Pemhroke, for the purpose of placing a value on it . If they can coine to terms, Thistle, Carswell'\& Packay intend to buy it.
-The Collinsliy Ralting and Towing Company are building h powerfial steel sleam lug at Kingston, the plates, machinery, etc., for which are being inported from England.
-james MacLaren \& Co., of Ollawn, have asked the fire and light cominitice of the city council to investigate the cause of their recent fire. Mr. John Rochester alfo cisurts investigation.
-Messrs. Perry, Reid \& Phillips, of Fergus, nee culting large guantitues of ties, poles, timiler, logs and cordwood along the coranil neet in the township of Garnfraxn, W, and I uther. Wellingtor Co.
- Pierce \& Spearing, Foxmead, who are taking out camarac ship frames, moulded anid bevelled for the State of Maine, met with consideralile loss through their foreman's wrong measurements in mouldings.
-Mrs. Gillies, lumber merchant, lef a pocket book, containing $\$ t, 000$, in the bed he occupied at Foy's hotel, Eganville, one night recently. It was found by an honest servant girl and relurned to him.
-Mr. David Porter, of Porter, Reed \& Canann, Owen Sound, has received the contract from the government for building a wharf ot Beaverton, to be 1,075 feet long and 20 feet wide, with a pier at the end $30 \times 60$ feet.
- Pontypool visitors report that the pine and cedar in that locality will soon be a thing of the past. Chas. Ashly has cut logs enough to run his $55,000 \mathrm{f}$. per day mill during the culting season, commencing about April ist.
-R. H. Smith \& Co., who have the contract for logeing for the Ontrrio Lumber Co. at Commanda Creck, expect to finish by April 1st. Up to date the quantity logged is nearly $5,000,000$ feet. The quantity contracted for is $6,000,000$ feet.
-My. W. J. Reic, of the Reinville mill, near Ayr, has purchased about 300,000 feet of timber, principally pine, a small portion being red and white oak. Within the past tivo weeks nearly forty loads of logs per day wer. being drawn to the mill.
-Graham, Horne \& Co. are asking a benus of $\$ 800$ from the municipality of Neebing, Algoma, for the removal of their saw mill from Vermillion Bay. Their limits are exhausted necessitating the removal of their mill to a stream in some other part of the district.
-On the evening of the 14th ult., Geo. Thompson, in the employ of McLachlin Bros., Arnprior, while returning from the roll-way to the shanty at Basin Depot, Nipissing District, was chased ly five wolves. He ran for over a mile before overtaking some teamsters and reached them in an exhausted condition.
-Murillo in the township of Oliver, Algoma, offers a bonus of $\$ 300$ for a custom mill in that municipality, the engine of which must be not less than 16 -horse power, to cut custom lumber at $\$ 4$ per M; to sell sawn lumber at $\$ 8$ per M . and upwards, nd to be capable of cutting. logs 30 feet in length.
-The Longford Lumber Company has made a new departure this winter in shipping a very lange quantity of lumber. During January the shipments aggegated about two million dollars' worth, and so far this month nearly a million and a hall dollars' worth has been sold and shipped.
-Work has been stopped on Smith's large saw mill at Callender, and probably will not be resumed intil opening of spring. The walls areup to the height of the first storey. Booth's mill, that used to be working more or less all the year round, is entirely shut down this winter. Not more than three or four men altogether are round the place.
-A demand of assignment has been made upon McGinnis Bros., manufacturers of cheese boxes and similar goods, at Parkhill, Ont. The liabilities will approximate $\$ 100,000$. The principal bank crediturs are the People's Bank, Montreal, and the Union Bank Branch, Montreal. The failure has been caused by Messrs. Wilson \& McGranis, of Athelstan Que.
-Barnet \& Mlackay, of Ottawa, have purchased from the Banque Nationale the 200 square mile Latour limit on the Kippawa for $\$ 15,000$, less a commission, it is said, of $\$ 7,500$ to MeCormack, the bank's broker, and $\$ 2,500$ to Latour, $P$. A. Coton made the examination on behalf of the purchasers. Six years ago the sum of $\$ 275,000$ was declined for the same limits. The purchasers will probably start a saw mill at Pembroke.
-Mr. John Rochester, of Ottawa, says in regard to the recent burning ef his mill that he belicies it was set on fire by scrap iron-and tool stealers who prowl atound all night at their nefarious business and dispose of their purloining next day at shady junk shops. He altributes the burning of McLaren's mill to the same cause, and expects to see other mills set on fire unless clusely guarded by watchmen.
- Cache llay is one of the many places along the Canndian Pacific railivay that bave syrung into existence within the last couple of years. The mills lelonging to the lumber firm of Davilison \& Hny, of Toronto, are locnted at the mouth of the Venve River, three miles west of Sturgeon Falls. They are lumbering extensively on the Veuve kiver this winter, some five camps being at work. In addition to this there is considerable activity in the pulp wood lusiness.
-Alex. MeCool, who is head filer for the Imperial Lumber Co., Warren, has insented a new method of filing with the Autumatuc saw blarpener, which renders it impossilise for teeth to break out of a circular saw in sawing frozen timber. It takes less power to drive the saw than tt: uld way of filing and will stand to cut on ten and twelve inch feed in frosty weather without any tronble. Mr. McCool has been working on this invention for some time and has loeen suc. cessfut in his undertaking.
-All the framework of Booth's new mill, fronting the Chatdiere falls, is now up, and the rest of the structure will be completed as quickly as possible, so ns to be really for operations in the spring. When finished it will be one of the most striking in appearance and complete in equipment in Canada, most imposing ns viewed from the centre of the interprovincial bridge which spans the foot of the Falls, and will have a cutting eapacity much larger than any other mill in Oltawa.
-In the Chancery Division at Tornnto, Lefore Mr. Justice Fergusnn, Messrs. Shepley, Q.C., anil II. T. Beck, for the several defendants, appenled from the ruling of the Master at Ottawn in the case of Ratte vs. Booth, as to the sufficiency of particulars furnished lyy the plaintiff of the damages clained by him, upon a reference to the Master to assess damages for injuries to the plaintif's property on the river Oltawa by reason of the defendants throwing sawdust into the river. Mr. Langton, Q. C., for the plaintiff, contra. The appeal was dismissed with costs, the learned juige holding that particulars of dannages were unnecessary.
-Thos. Perry, of Bracebrivge, is getting out nbout the usual stock for his mill, but intends manufacturing principally shingles this season, the stock to tre hanilled by Mr. Dellar. Leishman $\&$ Sons are also getting out a stock of logs on Black Creek, Stephenson township. Sylvester Brown is stocking his mill as ustal, principally from the soutt. branch of the Muskoka river. Mr. J. D. Shier is also getting out about his usual stock. The Myres \& Laquire Co. have three twin mills at Tretheway's Falls well ahead, and expect to be cuturg shangles early in March. A large portable shingle mill has been purchased hy W. B. Gate, to be set up in Macauley township.
-Warren, a short distance west of North Bay, on the C.P. R., is fast rising into some importance from the influx of setters and its exports of lumber. There are no highways graded and crowned except the railroad, yet a phenomenal growth from a wilderness to a settlement in a lew jears has taken place. The Veuve river drains the country and from the basin the supplies of timber at present is cut. The Imperial Lumber CD. own seventy-five square miles of forest and are operating it this season with five camps and tro hundred men. The daily capacity of the saw mill is $100,00^{\circ}$ feet, employing, in spite of the latest mechanical contrivances for minimizing manual labor, fifty hands. By means of three switches in the yard and a steam tram line into the bush, logs are hauled almost from the stump to the jack loader.
-During 1890 permits were obtained from the City Commissioner, of Turonto, to erect to the value of $\$ 2,364,750$. Of the total, $\$ 900,000$ was for dwellings, $\$ 313,000$ for stores, $\$ 560,000$ for office buildings, $\$ 220,000$ for altemtions, $\$ 104$,oco for churches and $\$ 93,000$ for warchouses and factories. These figures only apply to that portion of the city where permits are necessary. The total value of the permits during the last five years was:

| 1886. | 1,250,000 |
| :---: | :---: |
| 1887. | 1,145,000 |
| 1888 | 2,085,000 |
| 1889 | 2,356,000 |
| 1890 | 3,364,000 |

The above does not include the estimated cost of the new Court House and City Hall and Parliament buildings.
-The lumber shipments from Oltawa to the United Stales for January, as shown by returns prepared in Cunsul-General Lay's office, amount to $\$ 74,611,69$. Of this $\$ 3,741,98$ was in bond for export to South America, leaving the amount actually disposed of in the States at $\$ 70,869,71$. These Ggures do not include the returns from Carleton Place, which are not yee in. Last year the retums, including Carleton Place, which was not then established,amounted to $\$ 88,645.52_{2}$ of which $\$ 69,029.18$ was actually used in the States. There is an apparent decrease this January of about $\$ 84,000$, but it is ex. pected when the returns from Carietor. Place are in that the shipments will be fully equal to those of January, 1890.
-A new pulp mill is in course of crection at Sturgeon Finls.
--Leporta from Casseluman state that lumikering operations arc being pushed vigorousls.
-Senntor Peter MeLaren has invested in over 100,000 aeres of timber in the State of Virginia.

- Messrs. Croil \& McCulloch, of Wales, are getting out a lut of loge and ties at Wess Moose Creek.
. Messrs. Salmon \& Waison, of 299 Coliege sirect, Toron(iv, wholesale and retail tumber dealers, have dissolved.
-The Victoria Harbor Lumber Co. will saw their usual quantity of logs, hat inanufactured fewer this winter than in past years.
-Of the 7,000,000 feet of Iuriber exproted from Ollawa, one-third went 10 the United States; one-third to South America, and one-third to Eingland.
-Many teamsters in the Oltawa Vniley lumber camps have teturned mourning the loss of valuable horses, injured, drowned, or dead from an epidemic that prevailed.
-The Georgian Bay Lumber Co. have worked their limits very lightly the present winter, logging only some 20,000 , oco fect, owing to an extra large eut during the winter of 1590.
-Mr. James McGregor, of Othawa, left recently for Mc. Inren's limits, on the Gatinenu, with 'a gang of men to ex. plore the timiler belt and report thereon to an English syndicate.
-The Oltawa saty dust case was up for hearing during the munth. The master in Chambers at Osgoode Hall heard arguments as to the nomount of damage committerl. Mr. liatte, plaintiff, was instructed to fyle specific damages.
-Shantymen tave had a tough time to pull through the winter unemployed, owing to some of the largest mills in the Oltawa Valley not operating their limits. The closing down for the coming season of the same mills will throw from 150 10200 trained mill hands out of work.
-Gillics Bros., Braeside, have closed up the lumber camp on Otter Lakic, on the Kippewa, owing to there leeing no mure timber to cut. Old lumbermen are of the impression that the drive will be a late one this season, judging from the appearance of the creeks and heavy snowfall.
-Mr. Tolin, of Kingston, has finished his tie contract for the Ogdensluarg market. He lias also 3,000 telegraph poles ready for shipment between Sharbut lake and Russel's siding, but cannot get them actoss the line before March ist. They are then subject to a duty of 20 per cent., and he chaims he will lose $\$ 600$ on the consignment.
-Fort Willian has voted a bonus of $\$ 8,000$ to Graham, Ilorne \& Co., for the removal of their lumbering plant from Vermillion Bay to East Fort William. It is expected that the new industry will employ 70 men and handle $10,000,000$ feet of dressed lumber per annum. It is all marketed in the Canadian noth-west. In annther column the lonus is stated to be $\$ 800$. This amount should be $\$ 8,000$.
-Mr. Perkins, a memiker of a manufacturing firm in Michi. gan, has a patent on shingle mill machinery' which is said to be of superior value and will enable him to outdo competition in this line of manufacture. He proposes, if the town of Peterlxoro' will assist him, to build on the Win. Hamitton Manufaituring Co's property. He will put up buildings and put in machinery at an estimated cost of about $\$ 15,000$, and cm . ploy at the start 30 or 40 hands.
-All through Algoma, and down the district of Parry Sound and AFuskoka, large quantities of spruce is being shipped to the other side to le manufactured into paper. It is estimated that 10,000 cords will be got out at Thessalon, while at Cache Bay 50,000 cords will be shipped. This new industry will temporarily make up for the loss in the telceraph pole and tic trade caused by the Mckinles tariff. The price now paid is $\$ 2.40$ to $\$ 3.00$ per cord. Competition raised the price to $\$ 5.60$ for a short time at Burk's Falls.
-Senator Clemow, Mr. Hiram Robinson, Hon. E. H. Bronson, Messrs. W. G. Hurdman, E. B. Pattec, . W. MacIcan and other prominent citizens of Ottawa, discussed the question of establishing a factory for the manufacturing of liand, circular and other saws in the capital. The meeting, presided over by W. H. Fuller, was well attended. It was decided that as the prospects for a remunerative business were promising, a company should be immediately formed with Mr. Joshua Oldham, the well known saw maker, of New York, as manager.
-The Rainy river forms part of the international boundars finelectween Manitoband Minnesota and discharges the waters of Rainy Lake into the Lake of the Woods. For some time past surveyors have been locating the Rainy River railroad, a
line projected to tap the timber and mineral resources of the country around the chain of smaller lakes betwee the mouth and the head of the river. ine advance guard, or pioneers of the expedition, in their exploration report immense forests of pine surrounding Clearwater lake, two arms of whirh will be touched by the railiond; large traete of tand badly burned in parts of Moss township, und great water stretcher, navdgable strcams, and small lakes, which will allow the transportation of unsawn timber almost anywhere.


## QUEBEG.

-Thos. Pringle, millwright, Monireal, has admitted D. A. Pringle, under style of Thos. I'ringle \& Son.
-Mr. J. Girard, of Lacolle, is selling out preparatory to establishing himself in the lumber manufacturing business in Montral.
-The creditors of the Buckingham Pulp Company met in Montreal. This industry was started a couple of years ago with a capital of $\$ 70,000$.
-Mr. G sorge Wiilard, Magog, has purchased the machinery of the Georgeville saw mill, and is placing it in the old Vatin mill near the station.
-J. 13. Fregean, of Standard, whose veneer mill was burned last month, has leased the Sarles' veneer mill at New. port, to cut logs until his old mill is relouilt.

- Accantchic \& Cibson, who run a saw mill on the Gatimeau road, alout thitty-five niles from Oltawa, have the contract for supplying inmense quantities timber to the Gatineau Valley R.R. New machinery is being placed in the mill to meet the expected requirenients of the trade when the rail. way reaches the section.
-The winter of 1890 was an open one around Sutton, preventing the log cut from being marketable. Good snow roads this season have allowed unmense quautities of hemlock, basswood and spruce, to be "dumped" along the siver bank between Sutton and Richford, nwaiting the spring freshet. The bulk of the timber will go into the neighboring States.
-Among the creditors of Messrs. Wiison, McGıanis \& Co., cheese box makers, of Athelstan, who failed recently are: The Banque Iu Peuple, \$12,000; Eastern Townships Bank, $\$ 5,400$; Ward, Carter \& Co., $\$ 1,000$; Bank of Toronto, $\$ 800$; Union Bank, $\$ 1,260$; S. Greenshiclds, Son \& Co., $\$ 1,500$; Montreal Peoples' Bank, $\$ 1,300$; Malone, N. İ., Dr. Cameron, $\$ 800$, Huntingdon ; Ranson, Forbes \& Co., $\$ 800$; McLachlin Bros. \& Co., $\$ 800$, Montreal ; John Call, $\$ 600$, Front River; John Cairns, $\$ 900$, Athelstan; Gault Bros, $\$ 600$, Montreal; Wm. Paterson, $\$ 1,000$, Port Scott; Ardrew Glimour, $\$ 1,200$, Huntingdon; James Johnson, $\$ 800$, Parkhill ; small amounts to farmers, $\$ 30,000$.
-On February 14th, Judge Andrews at Quehec, entered judgunent in the important cares of La Bangue du Peuple vs. Bryant, lowis \& Bryant, Limited ; the Union Bank against the same company, and the Quebec bank against the same company. These cases involve about $\$ 100,000$ and arose out of notes and bills of exchange purporting to be signed by C.G. Davies as attorney for Bryant, Powls \& Bryant, Lid., under a power of attomey. The questions were of great importance to the business community and turned largely on the effect of the power of attomey. The cases of the Union bank and $L_{2}$ Banque du Peuple have been dismissed, but that of the Queluec bark has bren maintained.


## NEW BRUNSWICK AND NOVA SCOTIA.

-J. H. Tiere, lunnber, Hiampton, N. B., has assigned.
-Dungarvon and Renous lumber camps are still at work.
-Jas. McKinlay, spool manufacturer, Musquodoboit Harbor, N. S., has assigned.
-Stevens \& Robinson, lumber, etc., Salmon River, N. S., have dissolved.
-The William Law Shipping Co , of Yarmouth, N. S., are asking for incorporation.
-A few camps from the head of the river at Doaktown, $N$. B., have been abandoned, owing to deep snow.
-Ship building is being carried on extensively in parts of Nova Scotia this winter. In one district alone along the Cumberiand shore there are 13 large vessels in course of con. struction. In other districts, in Liverpool, Lunenburg and Shelburne counties, there are a number of vessels of all sizes on the stocks.
-Mr. Reuben Harlou; a merchant and Jumberman of Liverpool, Queen's Co., has purchased the stock and good-will of the business of Mr. W. H. Guild, at Shulenacadia, N. S. Mr. Jiarlow will conduct a general merchandise business at the store, and will also carry on a lumber business at Shubenacadie.

- Vessrs Frank Tordd of St. Stephen, A. E. Randolph and Allan Ritchie, forming thic New Brunswick lumber commission, with their secretary, met at Fredrickton last week for the purpose of determining on a course of action with reference io the injuiry thay have bien appointed to muke into the question of stumpage. It was decided to take the evidence of lumbermen at mectings to be held the next few months in different parts of the province, and, from these, with what information they may be able to obtain by means of circulars and otherwise, to frame their report, which will, in all probability; be submitted to the legislature, during the session of 1892.
-The old firm of 13. Young \& Sion manufactured in 1890 eight million feet of long and five million fect of short lumber. This was their smallest cut for several years. The new firm of Young Bros. \& Co will put out this scason $53 / 2 \mathrm{million}$ feet at Newville, N. S., and $3 / 2 / 2$ million at Niver Hebert, where they will manufacture $1 / 2$ million shingles this winter. They have 35 horses and 70 men al Newville, and 24 horses and 48 men at River Hebert, making a total at both branches of nine million feet logs, with 118 men and 58 horses enployed. They intend to manufacture from six to seven millions of this cut into deals for English market; the balance will be manufactured for the American market. They will also manufacture about seven million of laths the coming season for the American markels. They manufacture about 80 M long lumber and 75 M short lumber per day at both mills, and when mills are working employ 75 inen directly; and about as many more indirectly in carrying deals, loading vessels, cle.


## MANITOBA AND NORTH-WEST.

-The Lake Winnipeg Transportation Lumber and Tradirg Co. of Selkirk, have applied for an order to wind up their affairs.
-The C. P. K. have arranged with Ross, Hall \& Brown, of Rat Portage, and the Western Lumber Co. for their entire cut of slabs for the coming season.
-Messrs. Moore \& McDowall, Prince Albert, have 2,000, 000 feet of first class lumber ready to ship snuth upon the completion of the spur track to their yards.
-The cost price of lumber f.o.b. at Union Point is $\$ 12.00$ per M, divided as follows: cutting and hauling, $\$ 4.50$, govcrnment duty $\$ 2.50$, and sawing $\$ 5.00$.
-Timber contractors of Winnipeg find it difficult to secure enough men to complete their gangs in the woors, on account of so many lalorers having gone to work on the I'acific division of the Great Northern Railway.

AMERICAN.
-Tonawanda lumbermen chaim they have handled soo, 000,000 feet of lumiver last year.
-Production of white pinc lumber for 1890 is put at close to $8,650,000,000$ teet.
-The lllinois and Central Railroad handled 20,57\% cars of lumler in Chicago last jear
-The lumber shipments from the Minneapolis market dur. ing 1890, as given by ten railroads, amounted to $300,495,000$ feet.
-.Sibley \& Bearinger are putting in 20,000,000 feet of lorss in Canada, witich will be twed to Tawas and Saginaw. River to be manufactured.
-The irrepressible statistician now claims for Louisiana a wealth of forest timber aggregating $50,000,000,000$ feet in rourd ${ }^{\circ}$ numbers.
-It is estimated that Cheloygan lumbermen own 3, 000 , 000,000 feet of pine on Rainy River, which is probably an veerestimate. An effort is being made to build a railroad to this timber.
-The report is abroad that British capital is behind a scheme to consolidate the principal manufactories of spools, botibins aud shutles, under the name of the American, Bobbin, Spool and Shuttle Co., with a capital of $\$ 5,000,000$. Portland, Me., is to be head-quarters and the combine is to embrace about 85 per cent. of the manufacturers in the lines named. The factories are nearly all in alaine and other New England states.
-It was the intention of several Michigan firms to suppleinent their state cut by drawing on Canada for an unusual supply of logs. The Saginaw Salt \& Lumber Co: made preparations to increase loging on the Spanish Kiver. Hewery \& Sons, who operate on Little Creck, were to exceed their usual make of logs by $10,000,000$ fect. The Emery Lumber Co., working in the French River district, C. K. Eddy \& Sons, Sibly and Barenger, and several otherfirms purposed increasing their log supply in the fall. As their reports of progress or delay naturally drift towards their head office, Tue L.unieerbins has, been unable to ascertain up to date how far the season's operations have advanced.

## BRITISH COLUMBIA LUMBER MATTERS.

Neiw Wegtminster, B. C., Feb. 20, 189.
Since my last the weather has continued fine. We experiericed a colder snap during the last week, with a little snow. 'This in no way interlered with the mills, as no ice formed. In some cises logging camps have been at work all winter. A verv lively season is expected, locally at least. The export tracle has fallen off simply from the great searcity of vessels. It is to be hoped this will not continue.
Several new saw mills are talked of, viz: at Liverpool, opposite McLaren-Ross mill; at Hall's Prairic ; one by Clarence Debeck, a late partner in the Brunette Saw Mill Co., on the north.west coast of the mainland, with a capacity of 100 M per day; one by N . Slaght \& Co., late of Michigan, at Steveston, near mauth of Frazer River ; one by C. L. Street \& Co, at Chilliwhack, now almost ready and making a specialty of box lumber.
Messrs. John Whyte \& Hammill are advertising for limits and intend building, but I cannot say where.
1 am indebted to the Royal Cily Planing Mills Co. for a photograph of the three sticks of timbel shipped from their Hastings mill to the Harbor Commissioners of Montreal. They are $36 \times 36 \times 60$ feet each, containing 6,480 feet B.M. each. The total weight was 60, $\infty 0 \mathrm{lbs}$. Their mill here is now executing an order for timbers $34 \times 36$ to $40 \times 40$ square 40 to 50 feet long.
Thete are 4 -saw mills now built or under construc. tion in this province, 45 timber leases complising $255,-$ 526 acres. The annual rental is $\$ 15,614$, and the revenue from timber royalty for 1890 was $\$ 29,700$.

During the month our city has been lit by electric light and is much improved thereby.
The Victoria Lumber and Manufacturing Co., whose mill is at Chemainus, will begin cutting early in April, with a capacity of 200 M per day. The Brunette saw mill starts again this week, after completing some improvements and alterations. The McLaren-Ross mill is soon expected to open up full blast. Mr. Smith from the east is building a mill at Vernon. A fire in Muirhead \& Mann's sash and door factory, in Victoria, caused $\$ 3$, cioo damage. They were very fortunate in confining the fire to such a small amount.
The cut of the Moodyville mill for the year was: Lumber, $18,59+73^{8}$ feet ; 18,598 bundles laths ; $8 \mathrm{t}, 108$ feet pickers.
The certificate of incorporation is published of the Michigan Lumber Company with a cipital of $\$ 1,000,-$ $\infty 00$ divided into 10,000 shares of $\$ 100$ each, with headquarters at Vancouver. The incorporators are Henry R. Morse, Henry R Morse, jr., both of Vancouver, and Angus C. Boggs, of Alpena, State of Michigan.

The machinery has been purchased for a new saw and planing mill at Mission.
The tonnage of the vessels hailing from New Westminster engaged in the milling trade is 826 .
The Idaho, of New Westminster, is making preparations to tow logs from Crawford Bay to the DaviesSayward mill, her captain expecting her to make daily trips with a 50,000 feet tow.
An instance of the magnificent timber which can be furnished in British Coiumbia, 50 of the sticks in the swing bridge at Mission Station are from 78 to 97 feet in length, and were cut by the Hastings saw mill, Vancouver, and many of the piles used were 85 feet in length. The river is 60 feet deep during summer ; now it is about 43 feet with a tide of about six feet.

The Hastings saw mill produced during 1890, 30,$\infty 0,000$ superficial feet of lumber, valued at $\$ 1,750,000$. Of the foregoing, $13,059,000$ fect were rough lumber, 955,000 dressed, 107,000 pickets, and 20,180 laths. Shipped to forcign markets, 1,699, coo feet rough ; 544,$\infty$ dressed, 107,000 pickets, and 17,020 laths. Rail shipments were 407,000 feet rough, 23,000 feet dressed. The local market consumed $1,953,000$ feet rough, 388,$\infty$ feet dressed, and 3,180 bundles shingles.
The Mechanics saw mill, of New Westminster, has been running all winter. It is reported that additions will.be made to it in the spring. Twu large booms of logs arrived at the mill during the month.
Amongst the shipments of the Royal City Planing
mills were the last two sets of lony umber for Dayton, Ohio, $n$ carload of dressed lumber for Lethbridge, $N$. W.T., four carloads of assorted lumber and ties for the tast and carlrad for Sherl. :oke, Que. Their new steamer is expected to be finished this nonth. A rearrangement of the lumber piles in their large yard has been made.
W. P. Sayward, of Victoria, started a lumber camp in the Otter district.
The length of the large band saw in Jas. 13. McLaren's mill is 46 fcer.

The Fraser Kiver Lumber Company, Lid., has been incorporated with head office at New Westminster. The directors are: Messrs. M. G. Terhue, Grier Starrett and Joseph Saint.
The Brunette saw mill, at Sapperton, has been thoroughly overhauled and repared, the large boiter purged of sedment and the foundations re-bricked. In aldition to there logging camp at Mud Bay, started in January, they are operating with eriother al Clover Valley, the cut of which will he driven down the Nicomel River to Mud Bay and towed from their to Sapperton.
After writing several times and waiting two months 1 can only give you the cut of the inills for 1890 who have responded 10 my request, several have not sent returns:

## CUT OF 1890.

Victorin Lumber Manufacturing Co.
A. McKinnon, Duncan's
Moodyville Saw Mill Co.

Royal City Planing Mills Co.
Hastings Saw Mill Co.
J. B. Tiffin

Brunctte Saw Mill Co.
Nanaimo Saw Mills
4,000,000 leet
$4,000,000$ icet
$500,000 "$.
$18,620,000$
18,620,000
35,000,000 "
$35,200,000 " 1$
$30,000,000 "$
6,000,000 "
In the foregoing the Brunette S. M. Co. cut 3,0co, $\infty$ with their old mill and $6,000,00$ with the new one. They lost considerable time in building and moving into the new mill. The cut of Hastings is also small, as the mill has been thoroughly repaired and was prevented cutting while the same were going on.

Moodyville Saw Mill Co. laths 22,509 bundles
Brunette Saw Mill Co., shingles, 3,000,000,
G. F. Slater,
$12, \infty 00,000$.
H. G. R.

## NOVA SCOTIA MATTERS.

Bridgewater, Feb. 14th, 1891
We are having a steady winter in this disttict, and in the forest at the heads of the rivers have had the best hauling for a number of years. Loggers on the Victaux, Port Medway, Musha Muish, Liverpool and St. Margarets Bay, Gold River, and in fact all around the Lahave River, are putting in umber very freely from lands having long roads which have been impassable during the last three winters without snow.
Several of our smaller operators, having been tempted by the fine hauling, have started work on the Lahave, counting somewhat on the justice of their clam to work like their neighbors, and being about at the point of rebellion against any authority which attempts to stop them.

Petitions are now being, for the ${ }^{-}$third time, circulated through the Lahave valley, asking that the river be exempted, the same as the neighboring rivers in Queen's County, and the people are signing them en masse.

Business in Bridgewater and vicinity is duller than known for many yegrs, and the traders were afraid to stock up enough to supply provisions needed for the winter. The banks are endeavoring to keep their customers alloat, and so far very few failures have occurred.

The dull season among the fishermen on the banks last year has checked the building of so many new vessels, and labor has more trouble to find work near at home, so that many of our young men have gone to other districts for work.

The argument of the sawdust destroying the fisheries is again being refuted by the Salmon themselves schooling into the Port Medway river earlier than usual, in the face of three gang mills running night and day dropping sawdust into the river all last season. However, as they have faced the same kind of sawdust for the last hundred years nothing else was to be expected, and we would most respectfully suggess to Mr. Wilnot, or some of the Fishery Department, that the same
description would sutt this niver, and we could dispense with our most fastidious breed who nre in the babit of turning back when they see our sawdust in ten. feet of water, according to the theory of Captain Gorton of "Kannuck Navce"

But joking aside, our people need the lumber business re-established, and demand the same treatment as the rest of the Dominion, and having waited three years for the law to be put in force on other rivers say they must be allowed to work, as the government have no intention of enforcing the faw generally; and they cannot prove one dollar's damage done on this river by allowing the sawdust to run as formerly. The question is beyond any polimes with our people, and both parties unite in demanding their right.

Most of the members of the House of Commons for Nova Scotia contend for allowing the mills to saw, and the Fishery department will have to either enforce the law aganst all mills, or drop the prosecution of selected subjects.
We do not pretend to judge of the operation of the practice in the large alluvial rivers of the West, without any tidal clanges, but the case has yet to be found where sawdust alone has done any damage to Fishery or natvigation on the Atlantic const of Nova Scotia.
With the present fine winter the lahave mills could have been stocked with 25 million $f t$ of timber, yielding an increase to county and shipping of $\$ 200,000$ or $\$ 300,000$, which is all sacrificed to the theoretical. tileas of the presemt managers of the Fishery Departion ut.

Flank Davison.

## AN IMPORTANT ITEM.

IN planning and equiping a wood-working plant there is one very mportant matter which is often left out of consideration, and this is the providing of the necessary facilities for keeping the different machines in grond working order, with the least possible delay and cost. One of the best investments that can be made in establishing a wood-working plant is in providing these facilitics, and then having a man in charge who thoroughly understands his business. These facilities do not require a great outhy at the start, and will show a larger percentage of profit than any like sum put into any other part of the equipment. The repairs in and around the plant are an important item, and a proper provision for this is worth considering. You do not need a whole machine shop outfit, but you do need a few small tools, which should be carefully selected, taken care of, and alwaye ready for use when needed. The delays caused by being obliged to depend upon some neighboring machine shop for all the little repairs are costly; to say nothing of damage to machinery resulting from neglect te keep it in proper repair, througli a lack of the facilities at hand for doing so. A great deal of valuable and costly machinery is thus ruined every year, and too often the blame is laid to the manufacturer, and he is accused of using poor material or employing poor work. men.

TIMBER SUPPLY OF THE NORTH-WEST.
The question of the future lumber and timber supply of northuest territories is recciving the attention of the Dominion government just now, and it is prolabile that more string. ent regulations will be adopted by partiament next session to insure the forests against reckless depletion and destruction. The logs of the Prince Albert district are cut on streams tributary to the Saskatchewian on the north side, principally on the Little Red, Sturgeon and Shell rivers. There is a vast timber belt immediately to the north of Prince Alloert. Spruce is the principal variety of lumber cut. The logs run from one to three ft. in diameter, but logs have been cut which went over three fect. Some tanarac is also ent at the mills. It is lars. der than the spruce and is used for flooring, sills, cte. It run from one to swo feet in diameter. Birch is hardwood lumber and as used for finer class of work, insude fimishing, eabinet work, etc., and it will make very good furniture. Poplar may be used for work where insswood is used in the cast. The northern poplas lumber resembies basswood. This northern spruce is a splendid lumber, being much superior in qualits to southern and eastern spruce. It is whiter in color, softer and finer texture, and much more free from knots. In fact it makes an excellent lumber, and quite as good as much of line white pine in the east.

rudaishrid montill m
 Oryice:
75 Canada Life Assurance Building, Toronto Ontario.

## TERMS OF SUBSCRIPTON:


$\$ 1.80$
Advartising Rates Furnishod on Application.
Tie Canada Luatherman is pullished in the interest of the lumber trade and of allied industries throughout the Dominimu being the only represcnative in Canada of this foremost inibin being the only represcnative in Canada of this foremost
bratch of commerce of this country. It aimsat giving full and brapch of commerce ofthis country. It aimsat giving full and
tinacly information on all sulbiects touthing these interests, dis. tinacy information on all subjects toutching these interests, dis.
cussing these topics erlitorinlly and inviting free discussion by classing

Exprecial paims are tahen to secure die latest and must trustworthy market qualations from warious prinis throughrut the world so as 10 nfford to the trate in Caliada information upon which it can rely in its operations.
Siecial correpondents in localities of importance present an accurate repront not only; of prices and the connition of the market, but also of other matters specially interesting to our readers. But correspondence is not only welcome but is invited from all who have any information to conımunicate or sul. jects to discuss relating to the trade or in any way effecting it. Even when we may not be able to ngree with the writers we will give then a fair opportunity for free discussion as the best means of eliciting the truth. Any items of interest are particularly requested for even if not of preat indportance individually they contribute to a fund of information from which general zesults are olanined.
divertisers will receive careful altention and liberal treatment. We need not point out that for many the Casaba Lumberanas with its special class of readers is not only an exceptionally goorl meelium for securing publicity hut is ir.dispensable or those who would bring themselves before the notice of that class Special attention is directed to "WANTr.v" and "FOR SALe" advertisments which will be inserted in a conspicious positon at the uniform price of 15 cents per line for cansh insertion Annsuncements of this chanacter will be sub. each insertion Annsuncements of this chanacter will be sulb. isctucs or longer.
Suiscribers will find the small nmount they bay for the Cas. adA LuMaERMAN quits insignificant as compared with its value to them There is not an individual in the trate or specially interested in it, who should not be on our list thus ohtaining
the bresent benc ft and aiding and encouraging us to render it cven more complete.

TO VISITINO LUMBERMENं.
Lumbermen visiting Toronto are invited to use the office of the Lumberman as their own. We shall take pleasure in supplying them with every convenience for receiving and answering their correspondence, and hold ourselves at their service in any other way that they may desire.
"Charles Smith, of the saw mill on Main street, has taken as a partner Frank Scrat:2, san of H. P. Scratch, of the Section."-Ex. The junior in the office, he who is likened to the hoofed, horned and tailed gentlemen, says: "Our contemporar:; need not make so much fuss over the new partner; a br ratch is nothing uncommon round a saw mill."

Readers who are fond of statistics will find some interesting figures and excerpts in ancther column saken from the annual wood circular of Jernes Smith \& Co., Liverpool, Eng., dated Jan. 31, 1891. The remarks on wood and timber as condensed are almost confined to the colonies, but the totals of foreign importation are given to allow comparison.

Pettitville mills were to have resumed work a week ago, but it was reported that some of the men found a nexily duggrave in the woods not far from the mill. This so startled the inhabitants of that peaceful burg that work for the time being has been suspended.-Ex.
The delightful haziness of this news note puts the reader in a quandary $a$ ' to what was suspended-the intended occupant of the grave, the work in the mill, or the work of the inhabitants. We presume the writer intended to convey the fact that the mill ceased running. It has been our duty for some years to chronicle the
stopping of mills from lack of logy, want of tuater power; financial difficulties and other ordinary causes, but this is the first occasion we have ever heard of one stopping from finding a hole in the ground. It is a poor way of advertising a place to leave the impression that the duties of sawyer, engineer, slab carricr and yardsman were performed by one employe, who struck work to speculate on a pile of dirt along side of a post-hole in a bush. Far better adopt the advertising fads of our ncighbors to the south of us, as detailed by Dickens in his description of ague smitten Eden, or work on the lines of the late booming given to Yokalahama.

OUR list of casualties for the past month is again un: usually long, both in shanties and saw mills. ${ }^{-}$It is not a subject to jest about the loss of a limb or other permanent injuries, but frequently serious accidents occur from rashness and carelessness. If the injunction laid down by the old Scotch mill man, who painted the heraldic emblem of his country on the door of his mill, and interpreted the inscription found there on nemo the impune lacessit in his own vernacular, "Dinna menkey wi the buzz saw whan she's rinnin'"-if the injunction was carried out strictly, there would be more fingers per capita to the population, and the wooden-limbed in. dustry would languish.

Alex. Crooks, the genial and popular proprietor of the Alliun hotel, is one of those good natured bonifaces who " carries his full share of adipose tissue under his vest and one of the last men you would think would say nothing but saty wood. On Saturday, however, Alex. met the cordwood editor of the Star and said, "I can beech you sawing wood and s haven'; cut any for fourteen years until this morning when I butchered enough to last till Tuesday. I tell you straight I'm dead in love with the job, in fact I just pine after it.:
tered a cew cordickood editior replied that heocecsionally slaugh. tered a few sticks himself, but it wasn't on account of any particular hankering for the job. And then the land played.
We willow the Star considerable if it will pitch this chestnut amongst the ashes. The alder it gets the the larcher the hawthorne it will become. Was Crooks butchering ma-hog-any? Palm this off somewhere else. Cedar! Some of these are pretty fir fetched, but we will spruce up and do better next time.

OUn regret, expressed last mon'., at our ina. bility to be present at the annual - acr of the Buffalo Lumber Exchange turned to remi ic on reading the varioיs reports of the gathering. It inything remained atter digesting the "feas: of reason and the flow of soul ${ }^{\text { }}$ to turn our remorse to gall it was not being present to digest the viands. There is food for refiection in contrasting the menu of the nabobs in the Buffalo and Tonawanda lumber trade with the average menu of the shanty man. Shortly before they gathered around their regal feast, shanty men who were supplying the raw material to indirectly supply next season's dinner, had gathered around their frugal board. If the Mayor of Buffalo had been invited to a shanty banquet, there would be some force in his expressed wish, "to leave the party carly" without defintely stating whether the early referred to the eveniing or the morning hours, and if the speakers had been asked to fill their programs with shanty dinner delicactes, their oratorical efforts would probably not have been so brilliant. Let us contrast the respective bills of fare.


The forty-nine gentlemen who punished the Gencsse lay-out must have enjoyed themselves, but it is questionable if they pushed their heads through their upper storey underwear on Sunday morning with as much gusto as the shanty man hung his up to dry after finishing his week's washing.

- A reltable subscriber from New Westminster, B C., brings us to task over several news notes published in our February issue. Like all journals we have to depend on a percentage of clippings for information. If these are inaccurate we are indirectly responsible for them; if they mislead, we mislead by publishing them. On page to of our last number we state that "a mill is in course of erection for Elmer Ward." We cut this clipping from a New Brunswick raper. It seems, despite the C. P. R., that news takes a long time to travel from the Occident to the Orient. The mill was built carly last summer. On page 11 we give the capacity of the Royal City mills as 45 M per day. It is double that. Our "devil," who has nothing in his head, got a good chance to work some nothings in on the cost of the Mechanics mill, making it $\$ 35,000,000$ in place of \$35,evo. R. Morse, jr., operates the Fader mill, and ${ }^{\circ}$ not Morse \& Boggs. These inaccuracies are excusable from the fact that we have not time between issucs to verify reports. If editors of local papers will not supply trustworthy information which we reproduce we will be more than pleased if our sulscribers bring the errors before our notice.

The Official Gaselle, of British Columbia, anncunces that no public land will be sold until the legislation now under consideration becomes statutory. Miembers of the Legislature and other prominent men have advocated their ideas sol strongly that the Government is at present framing laws to completely control all forests, public lands, mines, and waters, to hold them for the benefit of the public and to prevent them from becoming the property of private syndicates or speculators. If Britush Columbia passes a crown lands act such as is under contemplation, and includes in the act conditions for the proper sale, rental or preservation of her natural products, she will lead the van in Provincial legislation, and prevent the repetition of such egregious blunders as those that retard the commercial progress and have strangled the natural development of Ontario and Quebec. Instance after instance might be cited of the gigantic evil of allowing real estate speculators, not to mention partixan political heclers, to gobble townships at one nibble, which they held, expecting to bleed some private individual or firm who might be induced to purchase. This system of land tenure is most pernicious, and if British Columbia successfully carries any Provincial.act "hich grapples with the evil, the results of the act will be watched carcfully by the older provinces.

A CORRESPONDENT of one of our British Columbia exchanges winds up his local lumbering news paragraphs from Stave River with: "Delightful weather. The ring of the merry woodman's axe, and the resonant reverberations of my neighbor's recluse rooster, the roliicking rumpus of the bear, the twitter of the chickadec, and the chatter of the chipmunck, all proclaim that nature is alive and whooping." On the coast they may have an Italian summer, but they have no real Canadian winter. The seasons are the wet and the dry. Away in the east we have seen men wrestling between the wet and the dry seasons, when in the early hours of the morning the sufferer from the "jim-jams" sticks his butning head into a pail of water and gets his stomach outside of half its contents. Our indirect correspondent has evidently a pretty severe attack of the "jams," but spring is approaching in eastem Canada and the Pacific slope will no longer enjoy a monopoly of pastoral ditties and pernrations. We have only recently unloaded our waste basket, bursting with all poctical eflusions of the "bootiful snow" order, and we car.not brook without comment this inroad on our season of respite, between the month dedicated to odes on "bootiful snow," and that part of our year given up todoggeral on "hail gentle spring."

The Vermont Shade Roller Company appealed against the rate of duty assessed by the Burlington, Vt .; collector of customs on an importation of pine lumber from Canada, entered October 13 th, 1890 The collector levied the assessment at the rates prescribed in the act of $\mathbf{i 8} \dot{8} \dot{3}$." The appellants chamed that duty
should be levied at the rates named in the tariff of 1890 . The U.S. act of 8890 , dated October 1st, provides "that in case any forcign country imposes an export duty on their logs entered for consumption in the States, the sawn lumber from the said country shall be subject to the import duties of the act of 1883 . On October 13 th the Canadian government removed the duty on pine $\log 5$, and as a consequence all lumber imported by the States on anciafter that date is entitled to the provisions of the act of 3890 . The treasury depariment of Wash. ington have decided, in the case under consideration, where the date of the entry was given, hut - no date given when the actual importation sook place, that if the lumber arrived in the United States prior to Oct. 3oth the decision of tie collector must stand, otherwise, the protest of the importer would be well founded, and the entry should be reliquidated accordingly. The decision upon this case will settle the question of the tanlf importations made by North Michigan from Canada and some other localities where the matter has been in suspense awaiting the result.

## CANADIAN DISLOYALTY.

Several of our exchanges have published a letter signed, "A Commercial Traveller," wherein complaint is made that British Columbians will not buy certain manufactures made in the older provinces, but prefer to deal with houses established in the United States. The complaints are well founded, but the knight of the grip must be a youngster if he had to go across the continent to find purcinasers permeated with erroneous ideas of what they term "American" goods. Commercial men about fifteen ycars ago found it uphill work to make sales in many lines, and even yet when a thoroughly good and honest new Canadian article is put on the market it is viewed with suspicion, and if only a smatter of Yankeeism can be found lurking around it in undiscoverable quantities some tradesmen will buy and palm it off as imported from New York, or Buffalo or Kalamazoo. If no other good resulted from the National Policy of '79, the tariff enactments inaugurated that year compelled Canadians to buy Canadian goods, and forced them into the use of national manufactures. It has taught them that Canadian mechanical contrivancesCanadian mill and factory productions-can-be 'made within our own borders equal to, and in many instances better than impurtations. So far reaching has this sort of "Americanism" become that it sapped the very vitals of a national spirit, and many a traveller returned to his house wondering if some of his customers would pay fifty cents more per cord for an inferior stock of winter's fuel if a few of the sticks could be labelled "from the other side." The Bridgewater Enterprise, a Nova Scotia paper, in its issue of the 18 th ult. presents another side of national disintegration. An editorial that lauds the New England markets, and which lamely attempts to show the benefits which would acciue to Canada if there were no tarriff says:
"It is enough to say that during the last year the peopico Bridgewater and those who buy their supplies in Bridgewate paid in cash to the manuracturers and mantlemen of Upper Canaida at least $\$ 50,00$, and this is only for a small part of the county. In zeturn what did the Upper Canadians leave us. Why their travellers left a few dollars with the hotel proprietors, a few more with the stable keepers and a few more with the railway company."

This is an average specimen of the sentiments of second growth basswood Canadians whom the country could well do without. Spincless as a fishworm, and resembling a mud turtle crawling through a bush backward, they can see no "Balm ot Gilead or no physician" in the land that feeds them, but must be continually cringing and begging for support from their inaginary Eljsium, the United States.

In spite of the wholesome national training our people have received through the adoption of a policy, its influegne has been at work for so brief a period in our history that if discontinued such samples as the Enterprise would "return to their idols," and greedily buy from the land of wooden hams and basswnod nutmegs. Volumes could be filled of the difficulties surmounted in building up a trade in the manufactures which saw mill men require. It took brains, wealth and jush to induce them to try Canadian made leather
belting. At one time in the great centre of our sawn lumber trade, Ottawa, you could not find a foot of Canadian made rubber belting. It was the same in Parry Sound, in the mills bordering on the Georgian Bay, and in Algoma. You couldn't coax mill men to try it, and they never would have allowed a sample inside their mill if New England belting colld have been imported.

It was tae same in varnishes, mixed paints, in saws and in mill machinery. The remedy, if continued to be applied, will u.cimately bring British Columbin into line. She is developing rapidls, and when in a position to offer, her manufactures to her sister provinces a little " hoisting with her own petard" will be a grand tonic.

## QUESTIONS AND ARSWERS.

J. R., Montreal, asks :
(1) Wil' 'give the names of responsible tiealers of Yellow $1 \cdot$ _iar or Whitewood.
(2) In what part of the Dominion are the woods found in our list and who are responsible dealers in the several localities ?
(3) We also want information on Mahogany, Ches. nut and Vencers.
(i) Correspond with Wm. Sutherland \& Co., Nashville, Tenn.. J. E. Bates \& Co., 1101 Front St., Nashville, Tenn., or Willard W. Brown, 202 Main Street, Buffalo, N. Y.
(2) Quartered oak is not sawn in Canada except in very himited quantities. Red and white oak is found in clumps and specimens in both Ontario and Quebec. Black walnut and hickory, once plentiful in south-western Ontario, is now imported from the U.S. Most of our sycamore is imported, although the Canadian variety can be procured from any of the saw mills along the St. Clair branch of the Michigan Central. Elm, ash, birch and maple can be obtained in many countics. Correspond with Porter, Robertson \& Co. Donogh \& Oliver, or any wholesale firm in Toronto. Thos. Pinkerton, Pinkerton: B. B. Mitlar Wiarton Murray Crawford, Campbellville ; Cheney, Dunning \& Co., Vank-leck Hill, supply manufacturers.
(3) Mahogany and Chesnut are both imported and the same may be of said Veneers.
C. W. Pitt, Little Current, writes:-

Can you give me an idea of how long Oakley cownship has been lumbered, and an estimate of the amount that has been taken off and any other particulars you may get? Some claim it to be the best township ever mambered in Ontario. Let us know through your paper if not too murh trouble.
Enquiries made at the Department of Crown Lands and other institutions where information of this nature is supposed to be found, fails to throw any positive light on the question. Several old timers have been interviewed, who reply that they have often heard of the tounship, but as far as definite information is concerned, they know as little about comparative stumpage as they know about about the m.an in the moon. We are still making enquirics. If we unearth anything we will note it in our next issue.

## FIRES AND CASUALTIES.

Three men returning to the mainland from Howry's camp, Manitoulin Island, while crossing the ice, with the thermometer registering 20 below zero, were so badly frost bitten, that medical aid was necessary to prevent death.
A thin named Thurlow, working at a camp at Howe Sound, was brought to Vancouver, B. C., suffering from broken ribs and internal injuries, from having been crushed between saw logs.
The McLaren mills, comprising saw mills, planing mill, lathe nill machine shop, sash factory, and over $1,000,000$ feet of lumber were burned on Sunday the 8 th ult. Loss on the mill, $\$ 125,000$; very slightly insured. Damage to lumber, 515,000 ; fully insured. It is not certain if the firm wn.! rebuild on the same site. Rumor has it that that they may purchase the Gilmour property on the Hull side of the river, or that the property and limits may be sold to outside partics, or rebuild on the old site with brick.
The factory of the Meaford (Ont.) Building and Mfg. Co., has been destroyed. Loss, $\$ 10,000$; insurance, $\$ 2,000$.
Dodd's planing mill, London, Ont., narrowly escaped being consumed on the 15 th ult. 'The firemen succeeded in confining the flames to the upper flat.

On February 14th, the large saw mill at Shelburne, N. S., owned jointly by Mr. John C. Ryer ar. i Messrs.

John IV. Bowen \& Sons, was burned to the ground, nlong with all the sawn lumber in the gard. Loss, $\$ 25,000$; no insurance.

Lassaline $\&$ Son's furniture factory and store rooms, at Sandwich Ont., were destroyed Feb. Jth. Loss, $\$ 5,000$; insurance, $\$ 2,000$.

Muirhead \& Mann's sash factory, at Victorin, B.C.2 was partially burned Fel. and.
A young man named Simpson, of Peterboro', Ont, was instantly killed in the Douglas' camp, Cook's mills by a cant hook striking him on the temple.
A boiler exploded, Feb. 20th, in small mill near. Madoc, Ont., owned by Frank Castleman. One of his sons was thrown 20 feet and severely scalded. His recovery is very doubiful. Another son escaped with slight injuries. Boiler and building are a complete wreck.
Allan Morrison, of Sarsfield, Ont., was killed while bauling logs to the "roll-wny" or "dump" in the township of Cuinberland, Russell County.
Following are ainong the accidents caused by falling trees, which have come under The Limberman's notice during the month :-Robert Torne, Harkaway, Ont., seriously injured; John Ireland, South Dorchester. Ont., killed; Win. Caldwell, of Caniley, Ont., leg broken and other injuries; Thos. Somers, killed in Michgan-; Geo. Morten, Sturgeon Bay, Ont., killed ; W. H. MicKibbon, Athole, Jut., killed ; -jos. Vian, of Hull, Que., both legs crushed to a puip.

Accidents in mills during the month have been plentiful. Following are among the number:-David Reed, employed, employed in Martin \& Adair's mill, Gorric, Ont., badly crushed by logs; Ditvid Weaver, Doaktown, N. B., badly cut with an axe ; John Moran, Sr., Melancthon, Ont., leg broken; John Mclntyre, engaged in Dollar's mill, Brunel, Ont., arm mangled ; Berton F. Hall, seriously injured in Morrison's mill, Frederickton, N.B.; Constable Lang, Ethel, Ont., cut and truised in head and face by an edging becoming entangled in a saw; Geo. Sutcliff. Warren, Ont., foot badly jammed ; James Delaney, Thompsonville, Ont., left hand taken off by machinery ; Robert Mcafce, Alwin, Que., ribs fractured; Henry Tiaxler, blacksmith in Elgie's mill, Wabash, Ont., instantly killed by a plank being thrown from a saw; Omer Lambert, employed in Morin's mill Lake Te.niscamingue, Que., killed.

John Dark, employed in a lumber camp at Monmonth, Ont., attempted suicide by throwing iamself under a train. His arm was taken of

## TRADE NOTES.

Messrs. F. E. Dixon \& Co. of this city recently delivered to the Toronto Electric Light Company the largest leather belt ever manufactured in this province. It is double thickness, ihirly-eight inches in width, beiween ninety and one hundred feet long and weighs nearly six hundred pounds. It is intended to drive the new 400 -horse power engine just finished for the Com. pany by the Polson lron Works Company and runs over a huge fly wheel fifteen feet in diameter. This is the fourth large belt made by Messrs. Dixon \& Co. for the Toronto Electric Light Company, the others being each thurty-six inches wide, averageing over one hundred feet long and all double thickness. One of them has been in constant use since 1885 and is apparently as good to-day as when it was first put on.
Robin \& Sadler, of Montreal and Toronto, have received the contract for supplying the large main drivo ing belt for $E$. Tuckett \& Son's tobacio factory at Hamilton.

The Dominion Leather Board Co., of Montreal, have purchased the property and water power at Sault au Recollet, near Montreal, formerly owned by McNeven \& Co., which consists of saw mill, grist mill and the well known paper mills of the Sault au Recollet Payer Co., and are making extensive alteration there, and will move their leather board and friction board mill there. They will continue to manufacture roofing, sheathing and lining felts in the paper mill.

## SOME BIG LOG HAULING.

Farmers seem to have forgotten the laying hen and her industry crippled by Bill McKinles; and have turned their attention to other rural matters of greater importance, to jedge by the numerous paragraphs found in exchanges. The village of Wroxeter stood at the head of the list for some time, until Wingham scooped in an entire bush. Since the scoop Wroxeter has taken a back seat. Compare the iteins :
"On Saturday last Dave Mellride, teamster for Smith, Malcoln \& Gibson, Wroxeter, brought to the saw mill the largest load of logs that has ever entered the town, there leing 2,843 feet of green pine in the six logss comprising the leing 2,843 feet of green pine in the six loss compusing, the
load. The pine was Lrought from Wim. Ferguson's, the load. The pine was urought from Win. Ferg
allove firm having bought his entire swanp."-E.r.
"One of the largest, perhaps the largest load of saw logs that was ever hrought into Wingham arrived on Saturday afterncon last, for the Union furniture fartiory. It consisted
of $4,5 j^{8}$ fect of pinc. It was cut in the Factory. Co.'s bush in Turnberry, and brought in hy Mr. S. Lockritge, with one span of horses."
You couldn't fool Seaforth on measurements. Her town seales weigh correctly, according to the weighmaster, but they are always .00 light when a farmer sells hay or cattle, and too heavy when lie buys salt or coal. Seaforth weighed her logs as the paragraph", will show; and she breathlessly awaits for $\log$ weighing reports:
"James Smith, of Mckillop, delivered in Seaforth last
weet a load of wool which brought down the market scales at 9,300 lits. This is a pretty solid load for one tean."
Logs in the East are little fellows around Perth, so says the clipping, and fair to middling around Cornwall until yoù move west again.
Mr. E. Broughton recently delivered at the Monkton saw mill, the larges pine log delivered there this season. Six hundred feet of lumber were sawed from it.
The Cornwall Standard says: "Two snonster pine tree trunks were drawn into that town, one of which measured 5 trunks were drawn into that $10 w n$, one of which measured 5
feet at the butt and 26 inches at the top, and was 96 feet feet at the buth and 26 inches at the top, and was 96 feet
long, while the other was So feet long, 4 feet 3 inches at the lase and 23 inches at top, It icn..i-a' seven teams of horses to drav the former, and five te. it the later."
Bracebridge had a log that yielded one and onethird more than Aionkton's pole. It took three Plymouth mapic logs to equal the Bracebridge pine, and Holbrook topped the list with a monster.
A pine tree cut near bracelrige measured 5 feet across the sturnp, and the first $\log$ contained alout 1,400 fect. -. A
bir isee was drawnin in the Mifriusland saw nill last week by John McMann. The tree was hard maple and gist so feet at the hatt. Three saw logs 12 feet loang were got out of $i t^{2}$ making $1,60 S$ feet of lumber, while seven cords of stove anating $1, c 0 s$ eet of lumber, while seven
woxi were made from the balance of the tree.
The largest tree ever felled in the vicinity of Holbrook, was sawn into lors last month. It measured 5 ft. $10 \%$ in. acrais the end of the second length.
Tamworth is not to be outdone by big log hauling or dimensions. She branches out into the realms of seience and sends the iollowing contribution
At Tamuonth recenty, a rock maple tree was cut, in the heart of which, eight feet frona the ground, was found a rock which weighed five and three quarter pounds. This wood tas solin and healthy all around the rock, and the sree
three feet through at the place where the rock was found.

THE ENGLISH TIHBER.TRADE.
The Timber Tradie Jou, ral, Loudon: Eng, issucd Feb. Jin., gives many facts, suggestions, and speculations regarding the timber trade for 1891 . Shippers to the United Kingdom reading over extracts can form theit own opinions, and base their logging or the present tone of the market.
It the demand in Great Britain does not execed that of 1890 , if shippers continue gluting the market the state of tande at the end of the year can only be callied Jull. It says:
"We wre continually being questioned as 10 the present position of the wood trade generalls, and what is going to be the seralt of all the failures which the month of January brought in ixs irain. Nou it is a rery difrcult ining oo come to any condusion or this knolity poind, as a gecal many caforseen crents may happen to give a dincerent colouring to the as they now present themselves, we see nothing as jei to preVent the season of 1 Sgi being a good one for beyers on this side. It is vers well for prodacers to tell us that thes cianot seduce their prices any loxer, as alteady they are belowiost,
inut the old lime ofsupply and demand, which has been violated for so many years back, is beyinning so come to the sutface apain, and those who have iknored it for so long mast now recognise its powes. If our markets, as thes undoalredly are now, continue in 2 state of sericit, lhe demand for fresh importations mast diminish, and the forcign shippers or mill. oxners will hare cither to keep theis gouds or sell them here for the best prices thes can get under the circumatanees."
The commercial condition of Greal Eritain during

1890 interfered with every channel of trade. The stagnation in lumber was not the only stagnation. Local yec widespread industrial difficulties in manufacturing centres had $\AA$ bearish effect on*timber; the financial uphearel in the metropolis in the latter months of the year had a marked depressing effect; white the milway strikes added their quota to the general inactivity. Daring the gast month ship cargoes to the U. K. have decreased except from Canadia, and stocks on hand have been slowly working off. - Reports from the Baltic state that the supply of logs upon the Swedish shore and tributary streams, awaiting the opening of navigation, are less than for the corresponding month of last year.

Speaking of the decline in prices during the period of Feburary 1890 to Febuary 1891 in Archangel deals, the fournal says :
"What has brought alout this great cecline in prices? We can trace it to no other cause than the enormous quantity of goods shipped during 1889 and 1800 . This is corrotiorated by the decline having extended to the Canadian goods as well the decine having extended to the Canadian goods as well
as those from he Suathern States of America. We can as those from the Eualtern States of America. We can
well understand thic anxiety of shippers' agents to take advan. well understand ehe anxiety of shippers agents to take adotan
tage of the confulence betrajed by importers'in the reports of $a$ moderation in the production. The combination to. limit a moreratuon in the producion. The combination to. limit
the production is a very fisir argument to trade upon. but we he profuction is a very firir argument to tracte upon. but we
must first see some fruits of its working lefore we advise our must first see sonac fruits of its working lxfore we advise our
friends to phace any confidence in it. Quite possible 189 may Iriends to phace any contidence in it. Quite possible 189 m nay
in the feeth of these protestations witness as heavy a slock as any of its predecessers. If, as some maintain, the growith of the population is followed ly a proportionately increased consumption, then let then at the same tinie call to mind the great increase in the means of production which annually springs into growth. Hundreds ofsaw mills are running now to manufacture wood for the markets of the world, the consuming powers of which are greatly; overrated, and the evil consequences of which falls on the markets of the United Kingdom, where the over-production is invariably, sent when other places fait. Of this we have had examples over and over again, and though we shall be glad to see an alteraticn, we are by no means sanguine that this jear will witness it."
The Board of Trade returns for the month of January, 1891, analysed, show that Norway and Sweden decreased shipments as compared with January, 1800 , by 1,959 loads, Russia, 10,938 loads, Germany a heavj dedrease, while Canadian imports more than doubled them. selves. If the retums for the past month and the current month show the same decrease for othe: nation's exports, and the same increase for Canadian, it is poss:ble that eastern shippers may hit the market at the proper time for the balance of their last season's cutting, but the "surfeit" of which no uncertain warning is given by the Timber Trades fournal must not be lost sight of.

CARE OF MILES IN WINTER.

$0^{\circ}$F the large number of saw mills in the United States and Canada, probably two thiteds of them are "laid up," during the winter, an average of four and a half months. It is a commonly received opinion that, at the best, mill property deteriorates quite as rapidly white idle as when in operation. The reason for this is obvious' to the practical mechanic. If it be true under the most favorable condition, such as laying up the mill in first-class shape, what shall be said of the large number of mills which are "laid up" simply by blowing up the boilers and emptying stich -team and water pipes as happen to be thought of at the tume?
Most of the large, first-ciass mills which shat down duritig the wanter, are of course put in the best possible shape, but a tange number, mostly small, are left in a condition of the utmost neglect.
An actual instance will illustrate the point. In Lake County, Mich., there is a cheap, semi-portable circular, with gang edger and butting saw; the outfit having a capacity of about 15,000 feet dially:

The mill shu: cown for the scason November 2gth, which was Saturday, and on that day it uras run till $;$ o'clock p.m., to complete a contrac?. The engineer, was cidered to blow off, and see that there was nothing left 20 frecere up. All hands, except one one-man-of-allwork, were discharged and paid.of:. The engineer, whose home was at a distance, was anxious to get aray on a night train, and told the man left in charge, as well as he could in his limited time, what to do.
The next day being Sunday nothing was done. The weather was cold, and when the man went back Mionday: several of the pipes that could only be freed by being disconnected, were frozen and burst. The owner was not a practica! mill man, lived in another counly,
and, withal, was very busy settling up his season's business. He looked around the mill a little, and told the man to fix things up, nail up the mill, etc., which having been dune, he left for the winter.
-The result was that the frozen pipes were disconnected and the doors and windows were nailed up. The boller was not wasled out, and the old scale and mud were left to eat into and rust the flues and shells. The grate was not cleared out, neither was the mud-drum. The cylinder of the engine was left just as the last turn of the crank left the piston, with the condensed steam left in. The saw was allowed to remain on the mandrel, and the belts on the pulleys.
It is easy 10 innagine what the condition of that mily will be when the crew gets back next April to start up for the season. The amount of repairs required, caused by neglect, will amount to ten times as much as would have been required to lay the mill up properly.
This may be a slightly extreme case, but it is not much overdrawn in its application to hundreds of say. mills laid up at the end of the season. And it is a fact that many a failure, many a cat is of a mill changing hands can be traced to this want of care of the mill while idle.

A few rules, as laid down by a practical mill man of long experience, may not be cut of place, and is would be a good thing for these happy-go-luck; slovenly mill oivners to paste them in their hats.

1-Blow of the boiter with sufficient head ofsteam $10^{\circ}$ carry off all sediment as much as possible, wash out with cold water, scrape all scales off the shell, clean' the flues' ihoroughly, and if possible get the pressure, wash both flues and shell with a hose, and don't forget the mud-drum and heater.
2-Clean the grate bars and ash pit, for nothing will destroy the bars quicker than damp ashes. Ashes left on the grate will collect moisture all winter. After all is clean, build a light fire to dry everything as much as possible, and if a canras can not be put over the top of the smoke stack, repeat the fire at least once a week.
3-Disconnect a!l steam and water pipes which will not drain readily, and empty all water tanks and reservoirs inot needed for fire protection.
4-Take of the cylinder heads, ofen the valve chamber. and see that all parts are wiped dry and oiled.
5-As a reneral rule it is best to take all the belts from the pulleys, roll them up, tag them proparly, and put them in adry place. Where the belts are leather, it is best to oil them, and leave them stretched oitt full length for a few days before they are rolled. It is i disputed point whether it benefits a rubber belt to oilit. If it is not praclicable to take off all the jeary belts, then the pulleys should be given a turn at least once a week to give the belt air, and all tightness should be slackened.
0-Joumal boxes should be uncovered and cleaned.
7-All machinery or tackle about the mill, that is under any strain, should be slackened, if possible.
8-The bright parts of the machiner; and the anside of the engine cylinders, should be coated with some substance to prevent rust. A good preparation is made as follows: Equal parts, by weight, of the best fine, dry whiting, and dry ground graphice, mixed with equal parts of raw linseed oil and petroicum, just thick enough to cover. Apply evenly with a brush. It will not dry hard for a long time, and may be casily wiped off in the sjaing. Should it stuck, a ititle benzine or alcohol will reniove is casily.
9-The saws should be thoroughis cleaned of gum, with benzine or turpentine.
10-See to it that neither rain or snow can drive in through the doors, windows or cracks, on to the machinery:
Other things to do will suggest themselves while carrying out the preceding roles.
Alany a small mill nxner would find a material addi: tion to his account of profit at the end of the year, if he would take proper care of his mill during the idle scason.-Norlhzuestern Lirmbernan.
-Napanec, Newlurgh and Camden East peip mills have stopped luaging wood, enoagh having been purchased to tax ther capacity:

## IMPORTS OF THE UNITED KINGDOM.

THE excerpts following are compiled from the annual wood circular of James Smith \& Co., Liverpool, Eng. Ta readers fond of statistics a perusal of the tables will show Canadian exports in detail and foreign imports gross. The arrivals and Board of Trade returns give our comparative standing with other competitors in the trade:









8.

The stock is much
Quebec Oak.-The stock is much too heavy, viz, 233,000 feet, against 116,000 in 1890 . Prices have varied from 256 d to 25 rod per foot. The wood has to compete more and more each year with the wood shipped from the Southern States, which now comes forward in better quality and of better manufacture than formerly.
Red Pinc.--The stock is not heary, but quite sufficient for the small demand for this wood. It aas been sold at 18d per foot, but tice competition it has to contend with in Pitch Pine, which is so much cheaper, almost excludes it from the market.
Elin. The stock is a reasonable one, being only 27,000 feet, against 53,000 at the end of the previous year, but the latier was an excessive quantity. In September, 60 feet average, was sold at 25 id per foot. and in November, 50 feet average, realized is nid per foot.
Ash-has been dull of sale throughout the year. By auction in May, 15 inches average, realized 25 per foor, and $23 \%$ inches average, realizing 20 d per foot. In the autumn a parcel of 14 inches average was bought at $18 \% \mathrm{~d}$ per foot. The stock is sufficient, and during the past month a rathe: better inquiry was experienced.
Biech.-A very unsatisfactory year has been passed for this wood. It commenced with an unusually heary, stock, but with an average consumption, and Halifax logs were then sold at from $17 \nless$ d to 22d perfoot. In the carly autumn Quebec loss, 15 inches average, realized 17d per foot, and St. John, it inches average, $16 \% \mathrm{~d}$ per foot, while another poorer parcel of $241 / 2$ inches average was sold at $16 d$ per foo:. Latterly .prices have shown an upward tendency and Dathousic logs 12\% inches average, have been sold at 14 d per foot, and there is now a better consumption. Plànks have displayed a weakening tendency from the commencement until near the close of the year and have fallen from $£ 855$ to as low as $£ 655$ per standard. There is now more inquiry, particulatly from the Tin. plate districts, and values are from $\left\{\begin{array}{c} \\ 7\end{array} 5^{\circ}: 0.57\right.$ ros per standard.
Hickory-is sufficient in stock, and has been in fair demand during the year.
Cherrmoad-is not much inquired for, and the stock is now cxhausted. No transactions have been reporied during the year.
Quctac Pine Dtals.-The stock has been ample
during the year and although rather less than in 1890 , being 5,787 standards against 6,447 standards, it is still more than an average stock. Prises opened at about fiacta 630 ies for firsis, $£ 7$ los per standard for seconds, and $\mathcal{L} 9$ for thirds, and fell to about $\mathcal{£} 18$ 105, $£ 14$ and $£ 8$ respectively in the autumn. A mather better demand is now being felt, but values show but little in.provement.
Quebec Spruce Deals-have been imported to a larger extent than in previous years, chiefis by steamers, and have been sold at $\mathcal{L} 5175$ 6d to $\mathscr{L} 65 s$ per standard, ex quas:
Boands and Sidings-have followed the course of Deals.at the usual differences.in prices, and the stock is sufficient for all ordinary purposes.
New Branswick and Noin Scotia Deals-opened with a full stock, a good demand and firm prices. At the commencement of the year sales of St. John were made at $£ 9$ los per standatd, c.i.f., and lower ports at $\mathcal{L} 756 \mathrm{~d}$, Bay Verte at $£ 6155$ per standard, and con. siderable business for spring shipment was done at about these figures. Freights opened at a reasonable basis, and a little fall was: anticipated from the rates ruling in Januars. The consumption, however, in the spring proved unsatisfactory. Considerable pressure to realize was shown by merchants, some bujers' who had not contracted made great efforts to force prices down, with the collapse of the South American demand for tonnage a larger number of vessels were brought into the wood business and rates commenced to decline; all these circumstances tended to depress values with the result that in July and August St. John Deals were selling at $£ 010$, Lower Ports at $£ 6$ to $£ 6$ js and Bay Verte at $\mathcal{L} 5$ !es, ci.f. Latterly, sales have been of Hillsboro Deals at $£ 5$ 10s, Dalhousic at " $£ 5$ - 15 s , and St. John; $11 \times 3$ at $\mathcal{L} 7 \quad 15 \mathrm{~s}, 9 \times 3$ at $\mathcal{L} 6 \mathrm{js}$, all ex quay. Batiens are difficult to sell. Sales are now hard to cffect, and buyers ideas for St. John are about £6, Bay Verte about $\mathcal{L} 5 j s ;$ few contricts appear to have been made, seliers being disinclined to accept such figures. Stocks aire ample, being 20,767 standatds against 17,838 standards in 1890 , the ?atter was considered heary.
Scantlings and Boards-are quite suffisient for the demand, which has been fair during the year at the usual reduction off the price of Deals.
New Brunsevick and Nova Scotia Pine Deals-show a stock of 1,426 standards, against 1,094 standards in 1800 , which is fully sufficient for any reasonable demand.
Quebec Slaves-have been i.sported sparingly and the stock is merely nominal.
Masts and Spars-are not it ıported now. The increasing use of iron and steel for shipbuilding purposes is quite thrusting these ir, portations out of the markct.

Lalf:uood-seldom comes forward. The stock is quite exhausted.

Palings and Lath-have been inquired for during the jear, but the stock of palings is now much too heavy; they having realized from $\mathbf{j 0 s}$ to 555 per mille h.1verfool. mportations for fifteen years lear cading the
Import season of
 BOARD OF TRADE RETGRNS FOR $18 S 9$ AND 1890.



Total …....5, 388,750 4,778,314 13,142,333 $11,002,229$

## TO DO AWAY WITH THE SAW MLL.

THE days of the saw mill are numbered again. This time it is a California genins who has invented a machine for the purpose. It is thus described: This invention is entirely new and novel, and is designed to take the place of the costly saw mill. It is portable in its nature, and the operator can go to a saw log, set the device in position and proceed to evolve boards. A fixed guide rail is provided consisting of an oblong plate, having oppositely beveled top and bottom edges, and a central longitudinal strengthening rib. To this guide rail are secured the two fixed bearing blockr, having on their lower ends piercing points. Threugh one side of the blocks pass the holding screws or screw bolts, the tops of which .are provided with wrench holds, whereby the ends of the screw boits may be projected below the blocks in order to fix them to the log. In the upper portion of these blocks are freely pivoted the swinging tubular holders, in which are inserted adjustably, the shanks of the dogs, said shanks being held in position by set screws, which enable the dogs to be set in or out for the purpose, of accurately placing and holding the guide rail in a perpendicular position. Upon the beveled top and bottom edges of the guide rail is mounted, by corresponding bevels, the sliding carrier. The outer face of this carrier has a vertical bevelsided groove or seat made in it, in which the bit plate is fitted. The lower end of this bit plate is provided or has connected with it the bit or knife. This is a double ended onc, having planing points at each end, and at its middle the scoring cutting edges for cutting the sides of the shaving, the scoring edges being carried down below the horizontal plane of the points, so that they will score the wood on the previous movement of the knife or bit before its planing points cut the shaving out At the top of the bit plate is formed or secured a nut, in which is seated the vertical screw, the lower end of which is properly stepped in the sliding carrier. The lower end of the serew is plovided with a ratchet wheel or disk, the teeth of which engage with a ffed rack, one at each end, the body of which is secured to the fixed guide mil. Any suitable means may be employed to move the carrier back and fort? along the fixed guide mil. The operation is as follows: It is intended to be mounted on a log, and held firmly by turning down the screw bolts of the bearing blocks, so that their points will enter the $\log$; but it is temporarily held in position before and while these boles are being screwed down by the holding points of the blocks, which penctrate the wood from the weight of the machine The whole device is further and securely heid to the log by the dogs, which, on account of their adjustment are adapted to throw the gurde rail into a perpendicular position. When everything is ready, the carrier is drawn back and forth on the guide rail. On the trip over, the scoring edges of the bit cut on each side, while on the trip back the planing point cuts out the shaving, while the scoring edges cut deeper for the next shaving. On the fonward trip again, the other point cuts out the shaung, while the scoring edges cut deeper into the sides again. Now at each trip of the carriage, the bit is fed down to its work. rhis is effected by the mitchet wheel of the screw coming in contact with the fixed racks at .the ends of the machine. This makes an even and positive feed, so that when the device is adjusted to the work, the operntors have nothing to do but draw the cutter slide back and forth along the guide bar until the new board drops off.
-Farorable weathe: up to date, has allowet the diferent shanties of the Rathbun Co., of Deserunto, to make goox: heaikay with their intended supply of logs.

## THE CANADA LUMBERMAN.

## HOME AND FOREIGN TRADE REVIEV.

## Office of Canada Luaiberman, $\}$

 of Canada LualFeb. 28th, 1891.

LUCALI,Y, the lumber trade has been quiet, as it usually has been during the month of February in past ycars. Dealers' reports show that as many feet have changed hands as in the corresponding month last year. The bulk of consumers are buying for inside finishing, a great deal of which is fo! delayed contracts, so that with little outside building it is not to be wondered at hat sales are termed quiet.
Permits have been granted for the erection of a fell good sized buildings for the coming scason, but the activity that prevailed in architects' offices in the February months of 1588 and 1889 is not so apparent. Unless rentals improve there will not be the same run on divelling house erection that caused the demand for certain classes of sawn timber during the past six years, but it is expected that alterations, modemizing of centrally situated buildings, and new structures will even up matters.

Future contracts have been placed for quantities with some dealers, but in general speculators, contractors and builders are waiting to see how the early season pens.
Enquiries from our markets in the United States are numerous, particularly for hardwoods, but shipments are almost nil. Dry stocks are not procurable, and as the orders booked are for scasoned lumber, some time must clapse before shipments can be made. Selected stock is asked for by United States jobbers in New York state, and many ledgers show contra purchases for yard orders as a make shift until the cold season is over. Canadian sellers cbuld dispose of an unlimited quantity of choice or best grade of all sizes at present. It cannot be obtained on a days notice, and as in many instances the opportunity is a catch sale, little, if any, number one stock will change ownership.
A few car lots of culls and special sizes have gone south and south-east into New York state, but the movements have been slow. Wholesale and retail prices are unaltered. Canadian exports in sawn lumber to the United States for January, 1891, exceeded that of January 1890 , by $\$ 53,000$. Ep to the $: j: t .1$ er last
month the quantity shipped was sliglatly in cxress of month the quantity shipped was sliglaty in expess of
the corresponding period of hast year. Could we turn prophetic and proclain increased exports for the next ten months, the drain upon the unmanufactured cut of Canadian timber would cause a 600 m in the winter season of 189 and 1892. When the negotiations were pending, which resulted in the repeal of the Canadian export duty on logs, and the partial repeal of the import duty levied by the United States on lumber, it was urged that Canada had got the better terms. It but not affected by the the export duty benefited only a few. Michigan and Canadian limit owners who were the prime movers and lobbyers in the Washugton Capitol and in Otava. United States dealers and papers published voicing their beliefs, positively aver that the reduction of the import duty did not lessen the cost to consumers in the United States one cent. Further on a meajre epitome of the logging in Canada this season will give a fair estimate of the opinions held by the bulk of Canadian listit holders, touching the supposed benefits from the reduction for' 91 , not in words but in deeds. Speaking on the subject of reciprocity as existing, and as proposed by the Dominion Government, J. R. Booth, of Ottawa, says: "No doubt reciprocity would do the lumber trade good, but you know the trouble with us just now
is not what we can sell lumber for, but what others can sell it for. If United States lumbermen can sell at 2 certain price below our own, we must come to that price or do no business. It has go: to be so now that we cannot compete with southern pine, which is placed in all the northem and eastern markets at from $S \geq 10$ Sj less than we can do it, but of course the $S_{1}$ of duty off will help us some. With the duty off the Chaudiere lumbermen would not fear competition with the Michigan lumbernien, but they would still find Southern pine and negro labor a hard nut to crack. It is only about five years since the Southern pine was introduced into the north and cast, and now it is being used more and more cevery year. Before 'he Michigan and Wisconsin lumbermen took up the manufacture of it trade in it did not amount to anything, but as soon as they went into this trade, with their experienre and business push, the business began to flourish, and now has every prospect of continuing to do so. They buy the land at $\mathrm{St}_{1}$ an acre, and as the timber is abundant and within casy reach, they can sell at a very low fyure and yet makic money. They cut down the trees, dry the timber, plane it, and send it north and cass ready for building, at prices which Canadiams coula not rouch. At present phings look biuc for the Camadian lumbermen. What would be the result of the Southern pine competition he was not prepared ar present to say:'
Spaking on the same question, cx-alderman $L$ Crinnell, of the Bronson \& Weston Co., of the same Crinnell, of the Bronson sipreston Cou, of the same
city, says: "I belicve recingecty would benefit the
lumber irade, and 1 will explain to you in a few words
how it would do so. At present pine lumber going into the States from Canada pays a U. S. import duty of $\$ 1$ per thousand fect, and as a result U. S. lumbermen in the States than they would if purchased from the Michigan or other manufacturers. Ae the Michigan men by reason of their larger output control the New York and other eastern markets and fix the price, we have to reduce the price of our luniber so as to be able to compete with them. For instance, if the price for the commoner grade, which is that shipped almost en tirely to the U.S. market, is quoted by the western men at say $\$ 10$, we have to sell at $\$$ ghere so as to be able to competc with them, or the middleman has to lessen the margin of his profit. If the $\$ 1$ of duty per thousand feet was c9f, we would be able to do business on equal terms with the Michigan men, as we are so geographically situated that we can supply the eastern states better than the western men can do. That there would be an increase in the sale of Canadian lumber am sure, but I am not prepared to ofter the slightest esumate of what the money value of that increase would be. Of course there is no such thing as reciprocity in lumber, as we are sellers, but do not buy. Canada does not get a stick of manufactured lumber from the States." Mr. Crannell added that of the total of 700 , $000,0 \infty$ feet of all kinds of lumber manufactured in Ot . ava last year about one-third went to the States, hird lost old counery and the other third io Sout America. In 1859 when trade was a fair average the America. in 1 lumber shipped to the States from Ottawa netted about three and a half million dollars.

The rates offered Ly the Canada Atlantic railroad re to hand. The circular reads as follows
Arrangements have been made whereby we will re open our lumber line to New York, via Albany; with the opening of navigation on the iludson, which took place last year about March. 10. We will be unable so send you a copy of our tariff with the exact date to take effect until the opening of navigation, has deter mined itself, but the following are the rates at which we will open the line namely: Seasoned pine lum ber, $\$_{3}$ per thousand feet ; seasoned shorts, $\$ 3.25$ per thousand feet; lath, 65 cents per thousand pieces seasoned hardwood lumber, Si4 per thousand feet.

These rates will apply on lots of five cars and over and will include lighterage within the regular lighterage limits of New York harbor. Lots under five cars will be avicepied subject to extra tonnage,

Capt. Williams, of Albany, who handled the lumber from Albany down last year, will also be in charge this coming scason.
Reports received from the logging camps in the Ottawa Valley and the Georgian Bay districts state that operations have ceased in many localities. At some points the snow has been so deep that the cutting of logs had to be discontinued. In others the desired quantities have been cut and banked, and the teams have either returned or are on their way southward. Eddy \& Co., Pierce \& Co., and MeClyment \& Co., have lumbered this season. Their mills will be practically idle next summer, along with the burnt Mclaren \& Co.'s mill. Other mills, to à certain extent, will have to supply their usual cut, and if the demand for white pine is unusually brisk, it means day and night shifts until the mills close in the fall. If the intended contracts on the north shore of Georgian Bay and Lake Huron are filled before the end of the month, $300,000,000$ fect will be piled up waiting for open water and purchasers. Of this, fully $75,00,000$ feet will be rafted to its ouners at Tawas and Saginaw, and to buyers of Canadian logs in Alpena and Cheboygan. In addition to saw logs immense quantities of birch, :herry, basswood and pulp wood hav
In New Branswick, on the St. John river and tributary streams, the supply will fall short of 1890 . Last year the Frederickton boom held $135,000,000$ fect of
logs, white on the river and branches, fully $50,000,000$ feet was left. This year the estimated quantity drive will not exceed 95000,00 feet. In Nova Scotia, at Herbert river and Newwille, a greater cut has been banked, but on several streams operations have been curtailed.

## UNitED STATES

In looling over the reports upon the conditions of the trade amongst our United States brethren, at least that part of them who purchase from Canada, monotony is the striking feature. Sales are not being made to dealers who flirt with future prices, uncertain weather has checked building to a great exient, and no lumber centre has to hustle to keep up with booked orders. The actual daily requiremeats keep a steady; though quict tone in all the markets, and except when specials uncxpecicdly are asked for, no activity can be noticed. Hesitation, with expectancy of a good sprine trade describes the situation. As to the future of vilues, two leading opinions are current: The first of that the effort put forthin the west-for berter prices -will be met and nicely balanced by the influences of recent Canadian legislation on the lumber question. The prevailing fecling, however, is that really choice
stock is destined to show a stifening in price Ex-
porters feel decidedly well over the Braxilian reciprocity scheme, and believe that its influence will be to speedily increase the already good Brazilian demand. We notice amongst the failures that the wholesale lur.ber firm of L. Thonison \& Co., Albany, N.Y., have made a general assignment to their bookeeper, Richard T. Lockley. Mr. Thomson was at one time a niember of an Ortava lumber firm and always looked upon as wealthy. Assets and liabilities unknown. Statement of debtors and creditors not yet published.

The Buffalo Lumber Exchange, at its meeting on the 14 th, discussed and strongly condemned the late resolution passed by Saginaw vessel owners who have agreed during the incoming season not to load or deliver any. cargoes except from or on rail. Deliveries on railroad docks alone in Buffalo means extra men, extra handling means increase in the cost and probably loss in the selling. A determined resistance was the voice of the meeting. At the same time, the friction that existed between planing mills and the wholesaler was eased by the latter accepting the terms and propositions of the former. For some time back there have been mutterings of discontent about the practice of the jobber selling contractors, builders and other fetait consumers at wholesale figures. The planing mill men insisted that the practice be stopped, particularly in the case where the jobber has a mill and a yard. In future, retailers buying from wholesalers, whether planing mill men or yard men, will have to pay fetaik planing mill men or yard men, will have to pay.retaif will be boycotted.
All the best grades of lumber are scarce and held firm. Long bill stuff, posts, piles and square timber are asked for. Prices are adhered to, the existing conditions of trade indicating that present stocks will be satisfäctorilyłdisposed of. before new lumber cap be marketed fit for usc. Buffilo and Tonawanda markets are one. The wholesale price list of both places is a jomt one, the rates of freight by rail, by canal and waterare the same, and they purchase ane sell in the same markets. Sales for February exceeded January, particularly in hardwoods. Like Buffalo, the outlook particularly of pine lumber are badly broken into, cutting up and better are depleted, and they are likely to remain so until the opening of navigation.
It is expected that the spring of the year will liven. trade in the New York yards by the demands for projected buildings in the upper part of the city, Brooklyn, Jersey City and Long Island suburbs. At present, things are dull. Dealers are fairly well stocked, and as little desire exists to increase the quantities now on hand, large importations are not de-
manded, and agents are having a quiet cime. White pine is steady, the prices unchanged, and the holdings with new arrivals, just sufficient to even supply and demand. The future of the season is yet obscure, but nothing is left undone in elicting information about where purchases can be made, and what the freight rates will be for the current year by rail and water, both premonitions of an expected good seasan's irade. William Westby, Portland, Mic, correspondent of the Sherbrooke Examiner says: Another very quiet week has been experjenced in the lumbér trade, and the market is no better than has been previously reported. Spruce lumber is not wanted, as this stormy weather checks all work and prices are low and easy. Random cargoes are received now and then and they bring prices quoted a shade lower than are asked for carload lots. Hemiock boards are also dull as well as everything else in the line of boards and long lumber.
The yards are well stoclied and concessions are made to effect sales. Clapboards look a trifle better but the improvement is not sufficient to stiffen prices materially:
Shingles are dull and prices easy and the demand slow. Most of our salesmen report this month so far that orders äre scarce and hard to obtain.
The mills are getting in a fair supply of logs and the prospect is that the usual quantity of logs will be got out.
South American lumber is still dull and no prospect of any movement in it. Many vessels are lying here awaiting freight.

## FOREIGN.

We have commented elsewhere on the state of the United Kingdom niarkets. Since setting up the excerpts from Gray \& Sons annual timber circular, other well known firms have corroborated the wamings by the Timber Trades Journal.

Business during the past year, say Farnworth \& Jardinc, has been unsatisacery most blanches of the reduction of $171 / 2$ per cent. from the excessive one of last season, has still been in excess of the five previous yeare, and more than ample for the demand. The de liveries of most articles have been disappointing, the total coñsumption being 7 -per cent. less chan. last year. The stocks now remaining over are much too heavy. The outlook is not encouraging, and, nith the large stocks held over, shippers must see it is most import ant that supplies be kept on a moderate scalc.

## THADE REYIEW.

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Toronto, Oat
TORONTO, Feb. 28, 1891.
CAR OR CARGO LOTS


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Hamilton, Ont.
Hamilton, Feb. 26, 1891.






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Buffalo and Tonawanda, N. Y. Buffalo, Feb. 26, 189 i.





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Boston, Mass.
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Western: Pine-by car load.


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## WANTED AND FOR SALE． <br> Adrertisements will bainsertel in this depart－ meent at the nitte of 15 cents perline each insertiont Whers four or mong conscnutive inserfions are onlerd a discount of as per cent．will be allown？？． This notice showes the whith of the line，and is set in Nonparil oype．id crertisements muse be se sciped mot laler shan the zith of each month to insurs insertion in sho following issue． <br> HARDWUOD ！umber bought．sold or received I ber commission mercliant， 202

## WANTED－TO BUY．

COOD Canodian Tizuber Limita and Goomian MBay any lops．Addroas，BEN
Whitney zuilding，Dotroit，Aich．

CAPITAL WANTED．
Wisted A partnor with about 813.000 cap－ In ital，to tako halfinterestina reil ostablished Tlmbor Limits now securod to run zilli a to
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Yy itn sce，000 to 875,00 capital to invest in in Britinh Columbia，rith throe practical mon． Best thing on lino of C．P．R．Address BOX 276， Trenton，Ont．，Canada．
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ANY QUANTITY OF CEDAR TELE－ GRAPH POLES at shlpping points．Terms
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Light Stecl Hails for Tramways；sood order． Cars for lumber．cheap．

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$S^{\text {ilW Millisinn．one mile from G．T．R Midland }}$ apacity $20,000 \mathrm{ft}$ ．per day：sohorse power eneine 35 horse poiser boiler． supplied by self：－＂eiler． 24 in planer and matcher atiached，all in kood running order，only requiting urual spring repairs．Docks，tramazys sidieg complete．Alss on same property Sillingle Quartcring Saw，Knotting Saw，alling good runn－ order．Carts，Sleighs，Shaniy Supplics，also about 1.200000 ft saw logs now on North siver or in Mill Pond．Will be sold in one or more ieis to
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On Upper Ottawa running back from Birch Lake．Main Ottava river． 300 miles－selected years ago－well timbered，good streams for driving．

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Some of the lots have timber on them worth $\$ 20$ per acte，and the land ls of falr quality for larming whe Dominion
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Offers the best facilities for Yarding and Selling all kinds of

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WRITE US FOR PRICES AND SIZES TO CUT.
we pay cash wren loaded on cars.


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ationas to the articles and quantities required. ation as to the articles and quantities required.
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FRED. WHITE.
Ottawa. Feb. 9th. 1891 .


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by lifting a tightner, throwing off the heavy beit, or stopping the engine ; All these methods are objectionable.

We have patented a Friction Grip Pulley. Compact, Simple, Durable, Large Frictional Area, Ample clearance when out of engagement, Powerfut gripping mechanism.

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Phich will Run Straight on the Pulleys， Which is Thoroughly Well Stietched，

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A！l our Belting is sold at the Canadian price list．Please compare be． fore purchasing．Send for Discounts and our Pamphlet on Belting．

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Unfortunately that is impossible，it is several stories below，therefore to stop this countershaft is a work of minutes．

The Accident
The stopping of the engine would have prevented or mitigated it；not an unsual one．Often it results in the loss of valuable life．

This Line Shaft
Could have been instantly disconnected from the power in any part of the room had it been driven with a Friction Grip Pulley．

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To investigate the merits of the newest and best Grip Pulley and Cut－off Coupling，＂The Waterous；＂It is safe，economical in belts and time．

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B．F．STURTEVANT，Patentee and Sole Manufacturer， 34 Oliver Street，（corner of Frankin street）BOSTOH，Mass．，U．S．A ：A．R：弚iliains，Soho Nrackine Wortis，Toronto．General Agent for the Dominien．

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"TTHEX R NDIREMES" $\Rightarrow$ NEW LUMBER DRV-KILN

Itsremarkable efficiency depends upon its peculiarmode of applying heat to, and eliminating moisture from, the air used in drying. We use no costly fan, engine or other device that requires constant attention, nor do we waste heat by a special chinney. The air circulates through the lumber, and the methods. You can not afford to le without it.

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The following well-known furniture manufacturers have recently purchased the "ANDREwS Kiln."

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All Kinels of Building Mreterial lecpt in stock. we make a specialty of
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 Bellewills, Dntario DRALES PATENT DAUNTLESS SHINGLEAND HEADING HACHINEEapacity from 25,000 to 50,000 per day.
The frame of iron throughout, very heary and rigid, strongly bolted and braced; carriage very light and strong, made of forged cast steel saw plate, running ori steel ways or tracks; will take in a block 18 inches wide and 19 inches long, adjustablefor 16 inch or 18 inch shingles.


## Drake's Improved Shingle Edger.

With 40 inch saw will mahe mute Nu. 1 Shingles from the same quantity of timber than any Wheel Jointer in existence.

It bas a heavy iron frame made fur two operaturs, tuo inch steel saw arbor, with extra long bearings; drwing pultey 8 inches dameter, 7 inch f.ce, saw 40 inches diameter, 16 gauge, speed, 1,600 per minute.

Mil! men who have once used this machine will not use any other. For capacity, remoring sap knots, rot or any other imperfections, for making parallel shingies and coonomy of stock, it is superior to any other.

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MORIICERS. BLIND MACHINERY. BAND SAW FILER. BAND SAN SETTER. ETC., ETC.

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Swaging dono rith this machine will Btand longer than when swnged with any otber machine or by hand. It makes the swage the henviest on tho under sitio of the tooth, and leaves tho faco of tho tooth perfoctly atraight. It docs not shorton tho tooth as dono by upattinc. It has a nositive clampro a saw cannot sin whilo being swaged, thercfore overy tooth is an oract dujlicato of the othor.

Cornors never drop off if smagel with this machine, as it does not injuro the stecl, therofore the tecth can an bo kont of a longth.

It is yory simsly constructed; nothing to break or voar out. Easily adjustod. Any ordinary man cau srrago a circular saw in irom 10 to 2 minutos. Is thoroughly constracted of tho ocse natoria, ani the parts requirlug it aro made of stecl of the best quality. Every errago ls thoroughly teated heforo learing the shop.

We positivoly guarantec the srrage to do all wo cinim for it in thile circular.
Full and complote iostructions for adjusting aud operating accompany the smago.
ERIODIES' IMIFIROTたD
Automalic Band Saw Swages, Circu'ar Saw Swages Gang Saw Swages, Shlngle Saw Swages. - MaNOPaCTURED ExCLOSITELE BX-

Palmiter, Empey \& Co., Galt, Ont.


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## MONTHLY DRAMINGS ON

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S: E. LEEEBVRE, Manager.
Head Office - 81 ST: JAMES STREET, MONTREAL

PATENTED STH MARCH, 1877.
PKRKER \& ETENS,
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## BUILER - FLUID - CUMPDUND,

This compound will sare its cost many times in one year by saring fuel.
It eradicates scale, and when the Boiler is once Clean a very small quantity keeps it clean and free from all jocnstation. One fourth the dose will! prevent a new bjiler from sealing so ong as it is used regularly.

Contains no Caustic Soda, and is the only matter yet known that will:notinjure metals in any wiay, and epits a clear pure steam.

30 WILLIAM STREET, - MONTREAL.



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[^1]:    

