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PUBLISHED SEMI-MONTHLY.

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

(SUBSCRIPTION) \$2.00 PER ANNUM.

VOL. 1.

PETERBOROUGH, ONT., OCTOBER 15, 1881.

NO. 24.

THE Hon. J. G. Joly has a large plantation of young walnut trees at Lothimeer, Que., and he His examide is a good one.

mill premises at 5 p.m., at which time all was straight, and there was no sign of any fire in the vicinity then. Besides the destruction of the mill, valued at over \$2,000, there were over 300,. 000 feet of sawed lumber burned; also a portion \$1,000. Mr. Kay has taken steps towards rebuilding the mill at once.

THE 7 imber Trades Journal, of Sopt. 17, says: -Laverpool was as remarkable for its bare supplies of timber during the first week of this month as London for its superabundance. Only 24 ships with wood were reported in the former, and of these 15 were steamers, mostly with only part cargoes, and some with a very small part, too, such as 3,000 staves, or 400 or 500 planks pool are not improving, and the stock is heavier!

highest price in the European markets,

SOME IRISH SAW MILLS

Having a few hours' time to kill, while waithas sent to Sarnia for more walnuts to plant, ing for the homeward bound steamer at Londonderry. Ireland, the writer thought he could not employ them better than in a run through the Sir A. J. Smith's mill, on the Petiteodiac san areas, etc., which he noticed along the River, was burned on Friday might, to behind on an increased up them on the deck of the of September. The origin of the fire is unknown, steamer, which lad brought him thither from The null was shut down that afternoon at three timeson. Although a very different thing oclock. Mr. Early Kay, the manager, left the from those of Canada, the saw mills to be seen at Londonderry are neither few nor without interest to a Canadian. They are, in fact, mills which take up the lumber, as turned out of our eastern mills, and fit it for actual use.

Londonderry is the chief point of supply for of a bridge across the stream near the mil. The the North-Western district of Ireland, and imloss is estimated at \$3,000. Insurance, about ports each season about ten cargoes of deals \$1,000. Mr. Kay has taken steps towards re- from St. John, N.B.; three or four from other ports of N.B., and about three from Quebec, besides two or three cargoes of pitch pine. For the conversion of this and such timber as the neighbourhood produces into sizes and thicknesses suitable for the local trade, five saw mills etc., are employed. We say "etc." because all of these mills do more or less of other wood work incldition to sawing.

While in Canada the first object is to save labour, in Londonderry the first object is to (30 or 40 loads, perhaps). On the other hand save the precious wood, and that they under-London imported 94 complete cargoes by sailers, stand how to do this will be conceded when we besides 42 by steamships, some of them full state that we saw in the mills of Mr. Balantine cargoes from the Baltic. Yet prices at Liver. In three such deal cut into six boards, with the loss of only one quarter of an inch of the wood than it was at this time last week, while that of | for the five saws which had passed through it, -London is only about three niths of what it was that is just one-twentieth of an inch for each passage of the saw. In many respects the gates in which the saws are fixed for cutting deals are A. C. Danner & Co., Mubile, Ala., shaped not unlike one of the ordinary gang bates to be by Lady Differen for Liverpool, a while since, a found in any Canadian mill. They are, of cargo, consisting of 1,250,000 feet of lumber, course, all driven by steam, and work up and deals and hewed tunber. The first direct ship, down in a gate, and the saws can be set to any ment to Europe from this port was made several thickness desired, in much the same way as our years ago by H. C. Vaughan, at present the lown. The frames in which they stand are, superintendent of the mill of the firm named however, of massive iron, and are all set on the above, and consisted of hewed timber. This ground with a pit underneath, from whence the firm averages a cut of 800,000 feet monthly, and sawdust can be easily removed. Most of these ships about 600,000 feet. The timber is brought | gates are made for sawing two pieces of deals, to their mills from a radius of nearly 120 miles, or other small timber, at one time. In the mill and floated down the Dog and Pascagoula of Messrs. Cook & Co. (you see they have nivers, Mississippi, and several creeks. As it "cooks" in the lumber business there as well as has to be brought many miles above the reach in Canada) they have a gate which cuts four of true water, considerable difficulty is anticipat- acres at once, for which the "anwier" claimed ed in the future floating of rafts, which even great superiority over all others in use in the new can only be done in a certain season of the jet, and which, like all the rest of the year. As the timber men go more inland to magainary in these mills, had been brought cut, the work of bringing the logs to the rivers across the Channel, -this particular one coming and creeks becomes more arduous and expensive. from the establishment of Thes. H. Allan, Transvays are much needed which would carry Jennstone, near Glasgow, while the others the logs to tudewater, and thus afford a continu- one of from the works of T. Robinson & Son, ous and uninterrupted supply of material to the Residual. Besides these "gates," all these mills. There are at present ten mills in opera- mins had one or more ordinary circulars, for tion on the Dog and Pascagaula rivers. The cutting up our square timber and the wood timber is of fine quality and commands the bringht in from the surrounding country. It is

see for themselves the kind of Irish timber the writer saw in these mill yards, and in the course of manufacture. Nine-tenths of our people would consider it almost valuless for fuel, to any nothing of making use of it for manufacturing purposes, and yet here they were twisting and turning it about, and cutting it in this and then in that direction, until the refuse was almost reduced to nil. Seeing, they say, is believing, and one certainly requires to see for thomselves the ingenuity displayed in the Old Country in making the most of a piece of the roughest wood, to appreciate in any degree the immerse value which even our most inferior wood possesses under proper manipulation. As in too many other cases, it is to be feared our people will only at preciate the value of our forests when they are

In addition to the sawing appliances found at the Messre. McClelland's establishment, they were just getting into order, having been burnt out about two months before, an extensive shop for the manufacture of doors, sash, and wood work generally. Already they had a few machines in operation, among them being what seemed to our unpractised eyes a very superior turning machine. Certainly no machine could do the work allotted to it more expeditious'y or more neatly than this one did. They also had a new planing machine, which worked everything perfectly true (at right angles) from an inch up to 18 inches quare. These machines, like all the others we saw (with the single c) ception already noted) were from the establish ment of Messra. Rolinson, Rochdele, and were built, if not regardless of cost, cortainly regard built to, and never did, wear cut.

Mr. Balantine's is also a large establishment, mouldings, turning, etc., and she building trade ing profitable exchange for the grain and meat must certainly be, as they said, fairly active in of the territories. the North-west of Ireland, to give the full employment, which it seemed to be doing, to the wide fame. The consists chiefly of pine, establishments of Messrs McClelland, Balantine with considerable quantities of fir, spruce,

swelling to their danner climate, and suggested that instead of being fitted tight up in the joints a vacancy of say an eighth of an inch should be I ft, so as to leave room for swelling. Doubtless the attention of Messrs, Rathbun only requires to be called to this point to ensure a remedy being applied, while we are sure every one will be rejeited to learn from such a source of the success attending the enterprise of Mesers. Rathbun in sending this class of manufactures across the Atlantic.

THE FUTURE LUMBER SUPPLY.

The Ottawa Free Press says that regrets have often been expressed at the wholesale destruction of our pine forests by the lumbermen, but of late years the destruction of vast tracts of valuable timber by fire has led to the belief that it is better the timber should be cut than that it should be worse than wasted by annual conflagrations. In a framer article we gave an estimate of the rate ... which the forests are disappearing before the woodman's axe to supply the demands of the market, wherein it was shown that ten years was the limit at which the supply in the lumber regions of the North-Western States could be relied upon, while that of Canada could not be expected to last longer.

Should this forecast turn out corre. where are we to look for the future lumber minnly of the world? An answer to this question is given in the accounts which reach us from the far west. From the mouth of the Columbia river extending north into British Columbia there are forests capable of supplying the prairies east of the Rocky Mountains with lumber for a great less of the quantity of iron just into them. In many years to come, and we fancy it is not imfact, as remarked to us, these machines were probable that, so soon as railway facilities are obtained from the Western Slope to the North-West territories, a great trade will arise. with several ingenious machines for making lumber, coal, fish, etc., of the Pacific coast find

and McAlwee. At Mr. Balantine's we cannot code and bosel, and a small supply of white across an old friend from Descronte, in the grain show have and maple. The trees of this reshape of some doors from the estal lishment of grow show haveriant growth. The yellow fir H. B. Rathbun & Son. Mr. Balintine says, frequently attains a height of 250 feet, pine, these doors give entire satisfaction, and that 125 to 100 feet, solver fir, 150 feet; white coder, although there is a good deal of prejudice against 100 feet, white mak, 70 feet, black sprace, 60 them, yet they are destined to run the home fort. Cellars have been found to measure 63 made article out of the market if the quality is feet in girch, with a height of 120 feet. The kept up and they can continue to be sold at pure trees are known to the lumbermen as of kept up and they can continue to be sold at pure trees are known to the lumbermen as of present prices. Upon this latter point, however, two carie to "sap" and "evergrown." The he seemed to be rather skeptical, and at the "sap," to eyiclds 6,000 to 8,000 feet of lumber, conclusion of a somewhat long conversation as and the "sap, to eyiclds 6,000 to 15,000 feet. Of their merits, he said the only suggestion that the ranke of lumber ship which he could make for their improvement that in her is made, pickets, raile ad ties, barrel would be that the panel should not be fitted so staves and headings, household furniture, etc.—tight rail, was, as the weed sometimes swelled and the product is shipped in large quantities to after they came to hand to such an extent as to the Pacific coars of South America, while trade a pity one half of the people of Canada cannot make the panel bulge. He attributed the in dune with Australia, Franco and England,

OUR QUEBEC LETTER.

H. Yes

MCAROITY OF PINE IN THE MARKET-PRW TRANS ACTIONS-THE ENQUIRY FOR OAK AND STAVES -THE SHIPMENT OF SQUARK TIMBER BY RAIL ENTOR DRIKIK—BROITATOUP TESTAL-

From Our Own Correspondent.

QUEBEC, Oct. 6.-The past month has been a very uneventful one in the Quebec timber market. There have been but few transactions worthy of reporting, and not much change of prices, though in recent sales the prices of contracts, made a month or six weeks ago, have not been nearly touched.

WHITE PINK

There is now remaining in first hands but a few small lots of white pine, and these are held by not more than two or three parties. There is still a moderate enquiry, but holders, of course, seek to improve the opportunity, and re-fuse to sell except at very high prices. Two or fuse to soll except at very high prices. three weeks since a raft of white pine in shirping order, with some hardwood, changed hands at 261 cents, while about the same time red pine of 44 feet, or thereabouts, was sold at 223 cents. Last week the sales were as follows :-A raft of white pine, one of the choicest of the scason, consisting of three-fourths square, 62 feet average, and one-fourth wancy board, 22 inch average, at 37 cents all round: another of 55 feet average, 28 cents. Square white pine, 45 feet average, fair quality, was sold last week for 28 cents.\ Within the last few days a raft of fair quality, about 52 feet average, has been sold at 26 cents, with half red pine, 38 feet average, at 174 cents. A raft of white pine, 45 feet average, changed hands this week at 261 cents.

RED PINE.

Red pine, as may be judged from the prices quoted above for mixed rafts, is not in much demand. Prime wood of large average would, however, command a fair sale. On the other hand a very large raft of poor quality has just been sold at 11 cents.

OAK.

Oak is still held firm with a fair enquiry. Prices have not materially changed since last quotations. Two or three sales have been made for early delivery by first rafts of next season. The figure is said to be about 49 cents.

STAVES.

Staves of all kinds are exceedingly scarce. No change in price is reported.

DEALS.

Deals are scarce and in demand, particularly spruce, which are much wanted. There is said to be little or no change since last sales, which were quoted some time since for spruce at 36, 28 and 22c. for large lots, and 40c., 26c. and 22c. for a small quantity.

FREIGHTS AND SHIPPING.

A few weeks will now end the shipping season here, and then we shall have the annual returns of stocks to winter here, which are certain, how-ever, to be very light. The total number of vessels of all kinds in port to-day is but 35, and there are only a few more to arrive. Transactions in freights during the present week have been as follows :- London, timber 24s.; deals, 62s. 6d. Dublin, timber, 24s. Grangemouth, timber. 24s. Grimsby, deals, 65s.; timber, 35s. doals, 80s.

COMPARATIVE STATEMENT.

The following comparative statement of tim ber, &c., measured and culled at Quebec, up to Oct. 7th, has been received from the Supervisor of Cullers' Office to-day .

	2577.	2000.	::::::
Waney White Pine		2,004,863	2,421,407
White Pino	2,503,375	3,874,501	5,455,785
Red Pine	741,490	054,881	1,572,004
Oak	703,693	1,419,196	2,534,891
Elm	318,074	922,530	1,000,440
Ash	47,161	236,672	321,039
Basswood	280	363	8,576
Butternut	70	GIS	2,001
Tamarac	6,691	22,458	24,416
Birch and Maple	121,224	661,815	151,742
Mastanud Bowsprite	80 pcs	4 pes	25 pcs [
Spara	26 pes	23 per	· 1
Std. Staves	76.9.0.8	17.4.0.G	308.7.2.29
W. 1. Staves	127,3.0.11	200.6.1.2	355.4.2.20

SHIPMENT DY RAIL

The shipment by the Q. M. O. & O. Railway. from above Ottawa, of Allan Grant's square timber, is progressing rapidly. Some 600 cars have already arrived, and 500 more are expected. mediately dumped into a pond alongside the railway track, and there rafted and towed to the cove

THE APPOINTMENT OF A SUPERVISOR

The whole trade is very much excited about the vace by in the Supervisor's Office, and the apparent determination of some few public mon to pitchfork into the office some political favorite or hanger on, without the alightest knowledge of the requirements of the trade. Numerous representations, which it is to be hoped may not be overlooked, have been unanimously made by the whole trade to the Government, setting forth the importance and necessity of having a proporly qualified Supervisor.

MINING NUMBS.

A French engineer, sent out by Parisian capitalists, has just arrived here to investigate the mining value of the gold lands at Bcauce, in the possession of the Quebec Mining Co. Should his report prove favorable, the necessary capital will at once be forthcoming. News from Buckingham is to the effect that operations upon the phosphate lands owned by the French Syndicale are to be at once pushed forward with vigor.

Effect of Removing Mountain Forests.

Attention has long been given to devising neans to limit the ravages of these torrents, which ruin the land, threaten estates, destroy roads, and sometimes even compromise the existence of villages. Walls have been built along the banks to protect them, or across the streams The most to allay the force of these waters. efficacious means, however, as yet discovered. has been to maintain the woods on the slopes of the mountain. The effect of cutting away the trees in promoting the formation of torrents has not been doubted by the inhabitants of mountainous regions, and is clearly set forth by M. Surrell, who says:-"When we examine the tracts in the midst of which torrents of recent origin have been formed, we perceive that they have in all cases been despoiled of their trees and bushes. If, on the other hand, we examine hills whose sides have been recently stripped of wood, we observe that they are cut up by numerous torrents, which have evidently been formed very lately. Here is a remarkable double fact: wherever there are recent torrents there are no longer forests, and wherever the ground is cleared these torrents are formed; and the same eves that see the woods fall on the declivity of a mountain, may see appear there immediately a multitude of torrents.

The disastrous consequences of removing the woods from the Alps began to attract attention in the last century, and have since been discuss ed in many publications and official reports. In 1853 the prefect of the department of the Lower Alps said in a report to the Minister > "If prompt and energetic measures are not taken, it will be almost unpossible to designate the precise moment when the French Alps will become a desert. The period from 1851 to 1853 will produce a new diminution in the number of the popu ation. In 1862 the Minister will remark a continuous and progressive reduction in the number of hectares devoted to agriculture each year will aggravate the evil, and in a half century France will count more ruins and one department less." The departments of the Upper and Lower Alps actually lost thirty thousand inhabitants, or one-ninth of their population, between 1851 and 1876. A law for recovering the mountains with wood, which had been prepared by M. Forcade de Rouguet, director-general of the administration of the forests, was adopted by the legislative bodies in 1860, and was put in operation shortly afterward.—Mr. M. J. Cleve, in the Popular Science Monthly.

THE Newcastle Chronicle says a cargo of square timber chocks has been brought to the Tyne, via Hamburg, direct from Prince Bismarck's estate. The merchant who has received them says the wood is as hard and square as the owner of the catate himself.

Rogus Certificates.

It is no vile drugged stuff, pretending to be made of wonderful foreign roots, barks, &c., and puffed up by long bogus certificates of pretended miraculous cures, but a simple, pure, offective medicine, made of well known valuable remedies, that furnishes its own certificates by its cures. We refer to Hop Bitters, the purport and best of readilings. Resubtings the timber arrives in prime order, and is im- | purest and best of medicines.—Republican.

The New York Mail says :- It was the privilege of the writer to visit the nicturesque little town of Arlington, Vt., which at the time boasted a population of 2,500, three churches, five stores, two hotels, an extensive car works, sash and blind, and chair factory; also a "peg factory," which, by the courtesy of the foreman Mr. L. E. White (who had been employed there twenty-nine years), he was shown through and received valuable information. The timber used is black and vellow hireh, which is cut into pieces four feet in length, varying in diameter from eight to fourteen inches. These logs are placed in a building in winter and the frost extracted by steam. They are then run in on a tram railway to the circular saw department, and cut into slices or blanks of the thickness desired for the length of the page. These are sorted and the knots cut out, and are then passed on to a long bonch which contains six machines composed of fluted rollers. The blanks are then run between these rollers, which creases both sides. They are then run through again to cross-crease, or mark out the exact sizes of the pegs. Then they go to the splitting machines, which are set with double knives, and cut the blanks into pegs. As they pass the last machine they are sorted, and all knots and discoloured ones removed as they are brushed off into large baskets. These machines are under the care of young women, who appeared much more happy and neeful than do many of those who, thumping at their piano, would consider such employment menial. The next process is bleaching, which is accomplished by the fumes of brimstone, which is unhealthy, (those who abor here shorten their lives). They are then placed in large cylinders, which hold eieven barrels, and have six hundred steam pipes running through them, and revolve one and onehalf times to the minute, drying two charges per day to each cylinder. They are then passed into large wooden casks, or cylinders, which revolving rapidly, polish them by the friction. the refuse falling through wire sieves or screen openings, after which they are again passed into a sifter, which separates all the single pegs and drops them into tubs, or boxes, leaving those which have not been separated in the machine. They are then put in barrels ready for market. The factory running on full time turns out 150 bushels, or fifty barrels, per day. The sizes go from eight up to sixteen to an inch. The lengths go by eighths, two and one-half to twelve. Twenty-six hands are employed, half of them being women. The products of this factory are mostly shipped to Germany and France, and enter largely into the manufacture of toys and fancy goods, as well as into the shoe manufactory. Thus the "genii of mechanism" converts, as by magic, the trees from the Ver mont mountains into articles of use, which, floating off through the channels of commerce to far away lands, anon return to sparkle the eyes of happy children in toys, in which these pegs have become important factors.

How to Come It Over Hornets.

Mr. James T. Bell's account, in the Canadian Entomologist of the easy capture of hornets may possibly serve as a useful hint to some agricul tural reader in an emergency. The nest was unexpectedly found in a stump during a walk in the Belleville forests: "A few days after, taking advantage of a cool morning, I sent my two boys to the woods with a small bottle of chloroform and a hard rubber syrings. According to directions, they injected about a drachm of the liquid into the hole, and threw a handkerchief over the entrance. In about five minutes they opened up the nest, when they found the in mates in a perfect state of slumber, and transferred them without trouble to their evanide bottles. In about an hour they returned, bringing me forty-eight specimans of the insect."

ARE You?-Are you a Dyspeptic? Have you Indigestion? Is your Liver sluggish? Does your food trouble you? Does eleep fall to refresh you? Is your appetite and energy gone? Zopesa (from Brazil) will cure you, tone you up, and invigorate your whole system. It is a gentle purgative, acts as a wonder upon, and gives strength and energy to the Digestive apparatus. It is strongly anti-billous, carries off all surplus bile, tones the Liver, gives sound Digestion and speedy health to the Dyspoptic and the Billious. Try a 10 cent sample at least.

Indian Forestry.
A correspondent of the New York Tribunc in a lengthy article in which he gives a brief history of some of the forest fires that have visited this and other countries, sets forth some facts that are of peculiar interest in connection with the recent terrible conflagration that has visited our own state. He states that the Indians, as he found while living among them, made a practice of burning over the ground of their forests once a year, as regularly as the farmer plows his land. Ho claims that the hoat from these annual burnings is not great enough to injure, much loss consume the trees, but the firmes clean the ground of dead leaves and rubbish, dostroying bugs and worms and killing the germs of malaria. The accumulation of dry leaves, twigs, mosses and fallen timber, he thinks, is the cause of the great forest fires. such as those which have ravaged whole counties in this state and destroyed hundreds of human lives. If the woods were systematically burned every year in this Indian fashion, there could be no possibility of an accidental tire gathering headway enough to become a destructive conflagration. Some year of drouth, he fears, will see the Alleghanics and other timber strongholds swept as bare as the Tyrian rock. "Then the rainfall will cease, then the nation. History testifies that nations have perished from the earth when their forests perished." One remedy which occurs to this correspondent for the destruction of forests by fire and by the ranacity of lumbermen who cut down the trees but plant none in their stead to supply the coming generation, is the appointment of a national commissioner of forestry, "a man who knows and loves the life-giving wood, and who would travel from state to state, section to seetion, and forest to forest, protecting the timber lands of the country."-Lumberman's Gazette.

A Big Fire at Chaudes.

A correspondent writes to the Mail as fol ows :-At dark on the evening of the 20th ult., the large lumber shanty in the north-east corner of Chandos caught from a forest fire, and was totally destroyed, also the stable, blacksmith shop, meat house, and granary. The office was saved by a sudden change of wind. The build ings were very extensive, the stable being 120 feet long, and the shanty (which last winter accommodated over 100 men) was 80 feet in longth and all very substantially built last fall by Mr John Gault, an energetic foreman in the employ o. Messrs. Gilmour & Co., Trenton, who expected to use the shanty for lumbering another winter or two. A near settler (with his wife and family of small children) occupied the premises as caretaker for the summer, and had his little summer's grain stored in the stable, and all burnt. He had done but little else for a month previously but watch, carry water, and fight fires in the woods around, and was be ginning to hope the worst danger was past. But a strong northerly wind seemed sent on purpose to consume everything in its track, and earlier in the day reached and destroyed his own private dwelling, about forty rods from the lumber shanty. Himself and a few neighbours fought the fire so long at the big stable, and the shanty caught fire so soon afterwards, that a very few of the caretaker's household effects could be saved. To make matters more serious, his wife had given birth to a child the same day. and had to leave her bed and walk barefooted to the nearest house (nearly half a mile), supported by a neighbour and his wife.

Birch Bark Rubber.

It is said that a dense black gum may be obtained from the outer lavers of the birch tree bark by distillation, which possess all the ordi pary properties of gutta percha, and has the additional merit of resisting the deteriorating influence of air and the corrosive action of acids. This advantage makes it useful as an ingredient of India-rubber and gutta percha, which it renders much more durable. Whether these statements are true remains to be proved

Are You Going to Travel ?

Don't forget a supply of that Dr. Fowler's Extract of Wild Strawberry. It is a superior remedy for son sickness, and a positive cure for all bowel complaints induced by bad water, change of diet, or of climate. Whether at home or abroad, it should be kept at hand in case of emergency.

Descriptions.

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J0

CORRUGATIONS

VENNOR ON DECK.

Since Vennor's prediction of cold for this week has proved true his credit is up again in the eyes of the credulous. Therefore his predictions for the months to come are of interest. Paste them in the inner recesses of your hat :-

A warm wave is likely to occur over a large portion of North America during the month of Navember, 1881, and again during January and February, 1882.

A frigid wave may be expected towards the close of November and entry of December, 1881.

The winds and storms of March will probably arrive ahead of time, and render the closing days of February exceedingly disagreeable.

The latter part of April and entry of May. 1882, will remind one of winter scain, and the spring is likely to be cold and backward gener.

The winter of 1882 is not likely to be char acterized by heavy snow falls on this side of the

In Western Canada, and sections south of the lakes, navigation may remain open all the year, or close but for a very brief period.

December, 1881, will be a month of storms in the Lake Region.

The summer of 1882 will be generally unfaverable to agriculture, owing to cold and wet

Western sections will probably suffer more from rains and floods than from thunder storms or cyclones during the summer of 1882.

There will be brief periods of severe cold durng the winter of 1882, and longer ones of warmth.

New York, Oct. 10.—The Fourth avenue horee car stables, owned by W. H. Vander-deabilt, and occupying a block, were burned this evening. Most of the horses were taken out, but it is thought at least thirty perished. Some say two hundred were burned. The loss is estimated at \$200,000. The flames spread to Morrell's large furniture storage building, across the street, which was destroyed. Some of the finest furniture in the city was stored there, including \$50,000 worth of painting, the property of Vanderbilt, all which were burned. The loss is estimated at \$2,000,000.

A VERY USEFUL KIND OF VARNISH IS made known by Leon Vidal, which is excellent for producing imitation of ground glass, and will doubtless be found available for other purpose. The formula is: Sandarac, 13 parts; mastic; 4 parts; ether, 200 parts; benzol, 80 to 100 parts.

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WANTED

A SITUATION IN A LUMBER FIRM, as Superintendent of Shantles and Drives; has had twenty years sapennee. Good references can be given. Address E. M., 307, Rideau Street, Ottawa. 2223

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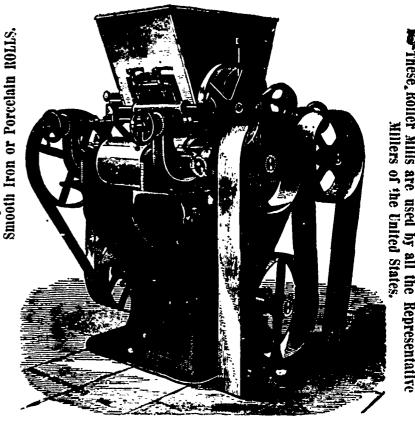
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INFLUENCE OF PORESTS ON WATER-COURSES.

We take the following from a paper read by Mr. David D. Thompson, of Cincinnati, before the American Association for the Advancement of Science, at that city, last month. The rapid destruction of our forests has at last begun to attract public attention, and the efforts of those who to endravoring to awaken interest in the preservation of the standing trees, and to prompte their bultivation where none exist, are bearing fruit, especially in the prairie states of the West and Northwest. The aguments used are usually such as may be embraced in the question: What shall we do for fuel, for fences, for ships, for building material, for railroad ties and for the innumerable industries of which wood forms ' part, when our forests have entirely disappeared? For all these purposes it is probable that some substitute may be found, But there are other uses for our forest trees, and for which nothing else can take their place. Important, possibly most important, among these is the influence, and the effect of their removal, upon water-courses, such as lakes, rivers, creeks and brooks, and also upon springs and wells.

rees during a rain storm retain a year quantity of water. Fantrat forms that his will covered with forests of civiled by civiled at the will whole rainfall, the tack his property of four-tenths. The property of powers, will vary, depending layer any at the sinuscer of the foliage and the property of the sinuscer of the foliage and the property of the will be and leaves, the roots, granted the tree of the will round them becomed, induce the tree of almost ground the larger part of the fear will tree the ground, and much of which but for the trees and their effect men the will, would indicate by flow away. The foliage of the trees by

by flow away. The foliage of the trees by partially or wholly exclude the county rays, prevents, in a large degree the evaluation of the water in the soil, teliant a agreement region the water in the soil, teliant a agreement region to make the first and prevents. And soon renders the ground a characteristic region as though no rain had fall a as though no rain had fall a.

By the absorption of the rain had falls, the

flooding of the streams is largely between and by retaining the water to the this material feed record and allowing it to first on productive the treams are supplied with water continuously to can safely no said that no strong having its source near a thact of forces has over west to flow

In the early history of the esstorn and middle states, a farm was regarded as lacking in an essential feature if there was no spring upon it, and the larmer a wife would as much expect to do without milk pans as to do without a springhouse. But now neuring-house is 9 rare sight When the pioneers settle I these lands, they were covered with forests, and the first and most important work of the new settler was to cut away the timber, in order to get land upon which to raise food for himself and family. For many years there was, of course, no apparent effect upon the water courses; but as the number of acttlers inorewell and the appoint of forest land decreased, the springs began to dry up, and with there the brooks, creeks and smaller

It is not unusually find yamany localities the beds of what were accomportant will atreams waterless, except when filled by sudden freshets; and in this state certain streams empty ing into the lake which were once declar! ed navigable, will not now float a cance. Previous to 1832 a Captain Delorae, of Hamilton, Ohio, annually sent a first of flat boats down the Big Minus and the hard prise; but with the destruction of the forests along that river, the rise 'ceanne so uncertain that the enterprise was of necessity abandoned. Professor N. wherry, in his Goodsev of Ohio, states that the Ohio river had bein getting lower and lower, in dry seasons, for many years. About 1871 72 the Ohio sank lower than had been known before, and at Smith's Forry, where the Penns, I onia line crosses, a ledge of rocks was laid bare that had not been seen or heard of by any read to living in that vicinity. "

Lapham save Qut, "such have been the changes in the flow of the Milwankee river, oven while the area from which it receives its supply i hat pertially deared, that the propriot wonderful natural reserve force is at hand, if tors of the full thought and fectulishave found the need for it should ever arise.

it necessary to resort to the use of steam, at a largely increased yearly cost, to supply the deficiency of water power in dry reasons of the vear. The floods of spring are increased until they are sufficient to carry away bridges and dams, before deemed secure against their raya-What has happened to the Milwankee river has happened to all other water-courses in the state from whose banks the forests have been removed, and many farmers who selected land upon which there was a living brook of clear, pure water, now find that the branks dry up during a considerable portion of the year.'

Even in the state of Tennesse, where comparatively but little of the original timber has been cut, the same results are manifest. Hon. J. B. Killebrow, late commissioner of agriculture of that state, relates that, upon visiting the home of his childhood, a short time ago, he was surprised to what at the time he left his childhood's home, thirty years previously. was a considerable stream flowing through his father's farm, had entirely disappeared, and its former bed had been ploughed up. The reason for it he found in the removal of the forests along both its banks. A striking illustration o the total disappearance of a running stream i found hors in Cincinnati. Door Creek, in the boyhood of residents of this city, new of middle age flowed with a stream of sufficient volume to runs a with . The descring of the hillides, and tho runs a with . The description of the hillides, and tho runs gives of the spr, have deled up the springs spick formerly less than a water new flags in its former bed.

The mountains are properly forced back, and up to a pirtuin abration and duld be respectually covered with trees. To settlers from at the base of mountains, the length trees are of incalculated and the mountains of the successful of the sun they prolong the motion of the sun yet, absorb a large prolong the motion of the which he may be absorbed and the motion of the which he may be absorbed and the motion of the which he may be absorbed and the motion of the sun which he may be absorbed and the motion of the sun which he may be absorbed as the motion of the sun which he may be a supported to the sun which he may be a supported to the sun which he may be a supported to the sun which he may be a supported to the sun which he was the supported to the supported to the sun which he was the supported to the supported percenters of thet which has melted, prevent its Buwling of in & fleed, and parrying death and destruction to all that may linin its track. And inchrosses and other herbage among the decaying leaves, and the millions of leaves break the force of the failure rains, which exus quietly to the parth, and sink into the soil until they reach internal cavity of torus strates from which they are gradually distilled through percential results that keep up a constant and regular supply for the streams.

Waod fat Fuel.

The United States Census Bureau has been gathering some facts upon the consumption of wood for fuel. After taking the figures in our last annual for the mal output, the superintend ont says :- "Even with the large increase in the coal production during the last half contury, wood still keeps in the van as fuel, the consumption in this country being in favor of wood scainst coal in the propertion of four to one. In Maine, New Hampshire, and Vermont, wood is almost the only fuel. In many counties of Massachusetts coal is ahead of wood, while in the stated generally, as reliant Conditiont, the percentage is about equal. Thickly populated cities, like New York, and Hudson and I sex counties New York, containing the office of the Counties and I seem the counties of the counties o state, there are many entirely coal counties, while in others, as Crapford, in the western part of the state, not over 3 per cent, of each iused. The same difference holds good in differ ont parts of New York.'

A Good Deal of H

At the late bankers' convention at Niagara Falls, N.Y., the future utility of the water power of the falls was discussed, and the statement made that the conversion of the 60,000,000 cubic feet of water hourly passing down the river into horse power under a fall of 200 feet, finant had the appreciate up 3,000,000 liored power. A full utilization of this enormous force would serve the present needs of a population four times that of the United States to-day. Doubtless the time is not far distant when it will be partly utilized, and it must be a sort of relief to the economist to denow that such a

A WESTERN LUMBER KING.

Hon. Philetus Sawver, one of the senator from Wis onsin and a heavy lumberman, has lately been written up on the political side by a correspondent of the Chicago Times, who introduces into his article the following, which will be interesting to his fellow lumbermen:-

Mr. Sanyer's home has been in Oshkosh for 31 years, and everybody, irrespective of partynot only in the city but in this entire section, is his friend He owns two or three counties in the pinery portion of the state, half a dozen suam; s. a bank, a large share of a railway, and a goodly bundle of Government bonds. Ho is a thorough business man in the best sense of the term, and numerous good stories illustrative of his showdness are told by his admiring neighhour-A great many years ago, knowing that a very large tract of pine land, located in northern Wisconsin, was to be sold at auction in You York he started out afoot and alone, and and made careful minutes of the location and extent of the most valuable sections of the tract. When the sale began he was on hand, and began bidding on the parcels which he wished to purchase. Some wealthy New Yorkers, knowing that he had been on the ground and had spied out the best lands, watched his course, and always outbid him, He went to the auctioneer and induced him to postpone further sales till the next day. Over light he employed an agent, and giving him a memoranda of the sections he wished to buy, went back prepared for another encounter with his extern competitors. The sale went along very commthly. Whomover Mr. Sawyer bid on pacel of land the New Yorkers raised him ut. While Mr. Sawyer's agent bought his lots without opposition.
| Shortly afterward the New Yorkers, who felt

that they had done a cunning thing, came out to Ochkoch to inspect their purchases. They visited Philetus at his pleasant home, and pentertained them well. They apologised in ontbidding him, but said they Kan New Pund. dence in his judgment that they knew they must make money on the lands. He assured them that he had no hard feelings toward them that he had no hard feelings toward them and hoped they would be pleased with their plane. I plant at they were starting out to faill with a merry twintleth his error. I denote that I would at vice yould not want to go we had a vice yould not want to go we had only from the two or a had of themes boat."

A legacian later the vise men from the con-ing the local line of the vise men from the con-traction and thought a quarter interest in a and and between the large, while life Sawyor world all the good plan land in the tract. They not stop at Oshkosh on their return trip, d never registered their apologies for having athld the prospective senator.

Mr. Sawyer's word is considered as good as a parament bond of the registered variety by l who know lum. 📡

A fortnight ago a wealthy mill owner of Fond Shwyer at the depot, said. "Sawyer, I want to di Lac went over to Oshkosh, and meeting Mr.

Lucil representations of the rolly. "How many have you got?"
"About five million feet."

Are they as g and as last year?"

"Yes, just about the same."
"What II you things."
"Fourteen follows It would."
"All right. I'll take them, and send you a

heck for \$70,000 in the morning."

This conversation is a fair sample of the senat tor's way of doing business.
A good many really throughout the state staintain that Mr. Sawyer is a dangerous power in politics, but they fail to show wherein has as yet done mighling amisss. Full of hem have as large interests at stake in the ate, or can as well afford to be hopest in their private or public relations. Surely it ought to pusidered a credit rather than a reprosch to Ar Sawyer that he possesses the energy and ability to make his way from poverty to wealth from an humble saw mill on the banks of the Hox river to the senato of the United States, retaining throughout his whole career the confidetan and esteem of the people among whom he lived, and who have known him best.

THE WORTH OF TIMBER.

The following letter appears in the London Timber Trades Journal;

Sin,-I have read with much interest the ac ount given in your last number, at page 135, of the increasing value of timber in the North American territories, which the writer traces to its whole-ale destruction by the original settlers, who did not then know the value of what they were destroying by every means in their power, which, he says, "from the standpoint of the present time may be characterized as simply atrocious." Notwithstanding which, he goes on to account for it in a very natural way, and we Learn from it that, so far from there being any atrocity in it, the first secttlers had no other option but to destroy the timber which cumbered their ground or starve. An emigrant who becomes owner of a tract of land in a new comtry has first to consider how, with the means at his disposal, he can make it support himself and family with the least possibly outlay of money, which probably is a scarce article with If he finds his land covered with timber of the most useful description to distant civilization, it is to him not only a superfluity, but a mortal enemy to be grappled with and overcome before he can turn the ground on which it grows to any useful purpose that is to grow corn and edibles, or green horbs for the service of man. If he could only wait till civilization came a little nearer to him, or till a tolerable road was made for him to the nearest navigable river-which may be done ten years hence—he might make something of his timber; but he murt get it out of his way at once, or as much of it as will enable him to sow a piece of land sufficient for him to raise food on when the ext season comes round, by which time the redurces he has been able to bring with him into to wildernees will probably have given out. is strong arms and his trusty axe, with such help as his family can give, are all he has to de pend on, and the prospect is gloomy enough; and, if he calls in fire to his aid, it is because there is nothing else to befriend him. He finds himself in precisely the same position as the phor cock on the dunghill ; he wanted a barleycorn, anstead of which he scratched up a precious one, which was no sort of use to him. olly "fifteen, nay ten years ago," was it the all under 12 or 14 in., but even at this day fand or ages to come, in Canada there will be new ttlers, in the remote forests, to whom the puber around them is the bane of their lives, the would welcome a gaug of lumberers villing to chop down the trees, though they were all of black walnut, and clear them away for nothing, if they were good angels from heaven

Sir, we have now great facilities for the transbritation of wood, in the application of steam id the use of railroads, which were unknown our grandsires, but even now the prices of pported timber for building purposes do not ways represent the cost of getting it to market, en if the trees, as they stood before the axe as laid to the root, were made a present free atis to the lumbermen who undertook the ork. In your number for August 27th, p. 142, ero is a report of the sale of a parcel of 4th ichibucto spruco deals lying at Barrow. They ere of good mercantile lengths, 3 - 9 to 20 in ide, and the best sizes only fetched £5 per otorsburg standard. Now as £3, in round numbers, goes for freight alone across the Atiantic, only £2.would be left to pay for 165 cubic et of sawn merchantable spruce delivered on board ship in the port of Richibucto.

Query, after paying for cutting, squaring, suling to riverside, launching, rafting, and oating down to port, then sawing, sorting, and hipping, what would be dit to pay for this aluable wood as it stood in the forest? Whatver has been movitably or even wantonly de-troyed doos not appear to render American uilding timber much more costly at the present av than the value of the labor bestowed on it o got it to market.—I am, sir, your constant

LAND'S END.

Liverpool, Sept. 7th, 1881.

DR. FOWLER'S EXTRACT OF WILD STEAMBERRY cures summer complaints, diarrhors, disentry, choicra infantum, sour stomach, colic, naukas, rouniting, canker, piles and all mentur of fluxes.

THE EVIL OF SHOEING HORSES.

For some time past an active controve, av has been going on in England between those who adhere to the usual style of shoeing horses and a few innovators who contend that the old method is the cause of more than half the diseases to which horseflesh is heir.

The subject is treated very fully in a series of papers, which appeared originally in the Farm Journal. The writer, who goes under the non de plume of "Free Lance," has recently published these productions in book form, and it is on the opinions advanced therein that the following remarks are founded-altogether " without prejudice," as the lawyers say. "Free Lance" tells us that during his working days the horse suffers perfect martyrdom owing to the interference with nature which results from shocing. The animal is forced to adopt an artificial gait which sends aches and pains through all the nerves, tendons, and muscles of his legs; he strains himself soverely by slipping on greasy roadways; ho is worn out unnecessarily by being deprived of his natural grip of the ground; and frequently suffers mutilation or injury through inability to keep his feet. But not only are shoes responsible, it is said, for a great deal of unnecessary pain and inconvenience to the horse while at work; they are the fruitful source, accoxling to the same authority, of numerous diseases of the feet and legs which render him prematurely unfit for use. Shod horses, according to "Free Lance," are constantly afflicted with corns, side-bones, sand crack, gressy heels, toe, dropsole, ring-bone, thrush, quittor, ossin a cartilages, spevins, curbs, splints, windgalls, navicular disease and other maladies; while those who go without shoes enjoy almost total immunity from these ailments. If this is true, it is evident that the money loss involved m the maintenance of the present system must Soveral emment veterinary be enormous. surgeons maintain that a horse, and most other animals, should live five times as long as it takes to reach maturity. Horses do not usually reach the full perfection of their powers until seven years old, and consequently ought to live until they are thirty or thirty-five years old. Under existing circumstances, however, they are termed old at ten and very old at twenty years of age, while fully three-fourths either die or are destroyed before they reach the age of twelve. It horses beginning to work at three are worn out before they reach twelve years old, then it is evident that the working life of the animal is shorter by fourteen years than mature intended it should be. In other words, three horses, are used up in doing what ought to be the work of one, and this extravagance in the United Kingdom necessitates an expenditure within a given time of about £200,000,000 instead of £68,000,000. The causes of this unnecessary mortality, according to "Free Lance," are: The absence of springs and brakes from the vehicle horses are compelled to draw. The use of dangerous nostrums, together with hoof cintments, stoppings, &c., by prejudiced farriers and ignorant grooms. Last, but not least, the use of shoes and the method of applying them. Horsesshi esare of comparatively modern origin. "Aenophon, who wrote the most complete work on horsemanship of his day, makes no mention of horseshoes; while, on the other hand, he is particularly explicit as to the means to be taken to harden and toughen horses hoofs, He recommends specially for this purpose bare stone pavement, which, he says, 'will cool, harden, and improve a horse's feet merely by his standing upon it, while the same benefit will result to his hoofs as if he were made to travel on stoney roads every day.' Another writer, Vegetius, says :- The floor of the stable should not be made of soft wood, but of solid hard oak, which will make the horse's feet as hard as rock." It will be observed that these writers, so far from considering that a horse's hoofs thould be spared because they are unprotected, insist that constant contact with hard and rough surfaces is essential to their preservation. They probably deluced from observation the principle which has been thus formulated by Mr. Miles

intended by nature to bear rough travelling without injury, it stands to reason that constant subjection to the conditions it is designed to meet can alone maintain it in a thoroughly efficient state. "The constant use of litter (in stables) makes the feet tender, and causes swelled legs; moreover, it renders the animals delicate. Swelled legs may be frequently to duced to their natural size by taking away the litter only. Let any proprietor go to lavetable, upon returning on a Sunday from mornin. church service, when the horses will perhaps have been left to themselves for three hours, and he will find that his horses have been tiving to get rid of it by scraping heles in it, in which to stand at easy and comfort on the bure floor. having pushed as much as they can into the gangway. It is probable, also, that instinct takes part in their dislike to it, on the score of its being unhealthy as well as uncomfortable to

"Even at the present time in many parts of the continent of Europe, and in a considerable portion of the rest of the globe, horse-run about wer rocks, through ravines, and up providit so ridges, unshed; yet all this is done without difficulty, and to the evident a lyantage of their hoofs, for these animals never suffer from contracted feet, or from corns, sand cracks, &c., until they become civilized and have been slow. Again: "During the mutiny in India many of our cavalry horses went unshed, because they could not get shod, and they never went better in all their lives." The special military corespendent of the Morning Advertiser and recent ly of the irregular cavalry employed in the Zulawar: - "Few of the men have their horses shed in front, some do not show at all." On one ca cursion he made in company with this co. they had to go over "sheets of polished, wet and slippery stone in the torrest beds, making one wonder how our unshed horses could keep their feet. All through the reports on the war, not a complaint was made as to these lorses falling lame. Surely there must be something in this. Sheets of wet, slippery rock, and rolling stones in river beds, would be calculated to try the hoofs to the atmost . Yet in the paisait of the Zulus, when they fled at Ulumli, these ponies '(from 141 han bedownward) were able, we are told, to follow miles further than the shod horses. In North, Central, and South American countries, where, outside the pastures, hard, rough, stony ground largely predominate, horses and mules do very heavy work with at any protection to their feet. In some part of these countries, says our author, "it man-overy day in the year, and in other parts they get dry roads during six months and wet on a during the other six. The horses have to travel over either, and over naked sheets of rock, as they in turn present themselves, and, as Mr. Douglas says, 'without difficulty, and to the evident advantage of their hoofs, for they never suffer from contracted feet, or from corns, sand cracks, &c.' Yet their work is of the hardest. Many of them bring down from the interior (some hundreds of miles) two bales of cotton. whic weigh, with pack-saddle, &c., over 300 cwt., and in fording rivers have to carry across the driver also. This is the way in which all the commerce of the country is carried on. There is not a horseshoe or a nail to be obtained over the whole route, and on some reads at crop times, nearly 2,000 pass daily, some des cending to the coast, and others returning inland. In Ireland 'donkeys are worked unshed in draught and over macadamised roads, even over loose broken stones, and not only are their hoofs uninjured by such treatment, but they actually outgrow the wear and tear of work, becoming turned up at the toes if not periodical ly rasped."

July.

During this month aummer complaints commerce their ravages. To be forewarned is to be foreatmed, Dr. Lowier's Extract of Wild Strawberry is the lest preventative and one for all forms of bowel complaints and sickness incident to the summer season.

August.

which has been thus formulated by Mr. Miles—"It is an invariable law of animal economy not to continue to unemployed structures the same measure of efficient reparation that is exceeded to parts constantly engaged in performing their allotted tasks." If the horse's hoof is

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The Canada Lumberman

DEVOTED TO THE LUMBER AND TIMBER INTERESTS OF THE DOMINION.

PURLISHED REMI-MONTHIA BY

TOKER & Co. PETERBOROUGH.

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All communications, orders and remittances should be addressed and made payable to Tokke & Co , Peter borough, Ont.

Communications intended for insertion in the Canada LUBBERMAN, must be accompanied by the name of the writer, not necessarily for publication, but as a guarantee of good faith. Communications to insure in sertion (if accepted) in the following number, should be in the hands of the publishers a week before the date of the next issue.

PETEL BOROUGH, Ont. OCT. 15, 1881.

HUGH SUTHEBLAND & BRO. have bought out Towless' lumber limits on Rainy Lake, compricing 100 square miles, his mill at Fort Francis, his lumber on hand and logs, his farm, and his buildings. It is their intention to dispose of their retail business and go into the manufac turing and wholesalo business exclusively. They will enlarge the present mill at Fort Francis to a capacity of 20,000,000 feet per annum. There are 300,000,000 feet on the limits, The sale yard will be at Rat Portage and the head offices at Winnipeg.

THE Timber Trades Journal says the introduc tion of steamers into the timber trade has had one good effect which must not be ignored-we mean the increased speed with which cargoes of wood goods are discharged. Some of the recopled feats in this line would have been thought impossible a few years are. One of the Batest instances that have come under our notice is the screw steamer Nellic, belonging to Messrs. Pyman & Co., which arrived at West Hartle pool from Soderhamn, on the 16th inst., with 210 standards of deals and boards for Messrs Harrison & Singleton. The vessel was berthed in the Hart Dock at 9 a.m., the cargo was all clischarged by eleven o'clock the following morn-Sing and the vessel proceeded to sea the same night with a cargo of coals.

THE Timber Trades Journal says Sweden tlerides American competition in the wood trade, as the difference of expense in getting to market here under our free trade system is glaringly ngainst our colonies. This may be seen at a glance, requiring no elaborate argument to prove St. 60s. was quoted in our last impression as the freight of deals, from Quebec to London, which is below the average, and only a lower port rate. 45s. in the same paper is stated as the freight from Sundswall to London, which is above the average. So that we may assume the the minimum difference to the advantage of Sweden is 15s. per standard. This is just the same as if, being equidistant, Canada goods were subject to a duty of 15s, per standard, equal to about 10 per cent. on the f. o. b. price of high-class deals, and 15 to 20 per cent. on inferror qualities. This is a barrier which, like a Lumpike gate, there is no evading. Under a rystem of duties Canada was put formerly on a more level footing, but free trade leaves our rolonies to shift for themselves against the natural advantages of other countries.

SPEAKING of the forests of Russia, L'Echo Forester ways :- On the estate of Lenine, be longing to Prince Wittigenstein, there are 56, 883 hectares of woodland covered with trees of the greatest commercial value. The oak appears to be the favorite, and there are no less than half a million monarchs of the forest upon the estate, valued at over four and a half million france. There are also 450,000 pines, valued at ten francs each, or 4 500,000 francs. The entire value of the wood on the property is estimated at over a million pounds storling.

THE Port Blakely, Wash, T., Mill Co. are enjoying a large lumber order from Shanghai, the filling of which will require five vessels, the augregate cargoes amounting to 3,000,000 feet or more. Three vessels are there now for loads, namely, the Earl of Elgin, the Hollander, and the Marsha, all barques, and two more are ex parted soon to arrive. The lumber goes in large pieres-separed timbe , which are again cut on arrival at the other end of the broad Pacific into dimensions to suit; not that they can be better or more chould cut there, but that by some custom regulation a light tariff is imposed on the importation of manufactured timber order is, perhaps, the heaviest one that over came to a Puret Sound mill from China.

THE Montreal Gazette, in an article on forest fires, writes as follows: - We want more bush than we have. We want not only protection for what is left, but a system by which tree planting may be regularly prosecuted wherever it is needed. We want, in fact, what almost every State in Europe has long found the necessity of, a complete scheme of forest management, including schools of forestry, where young men may be trained for that purpose. should be established at once. There is no lack of experience on the subject to our hands. Why should we wait until some sudden wave of destruction seveeps all before it, and leaves us nothing but helpless regret? With a regular system of educated forest officers and police. adapted both for preservation and creation, we could in a few years do much to atone for past neglect; otherwise, we may some day be reduced to the position of Madeira, which received its name from its magnificent and varied wealth of forest, but which has long been dependent on foreign supplies for even the materials of native construction.

A Correspondent of the Buffalo Lumber World says the Saco is the most wonderful river with its tributaries for growing pine lumber of any place in all New England. Although cutting pine has been going on for one hundred years, get it appears to be inexhaustible. It comes up everywhere, and it appears that it makes no difference what kind of growth is cut off, it comes up to pine, and mostly white pine. About forty millions of all kinds of pine, spruce and hemlock are floated down the Sace every year, yet the supply appears to be abundant. Only about sixty miles miles of this river is capable or log driving, as above that the stream is too rapid and rough to admit of it. It is calculated that the town of Frysburg has now eighty million of pine timber, and it grows at the rate of five millions a year, or 16 per cent. There are no square edged pine shipping boards The small and sawed on Saco river now. roughest logs are sawn into § in. box-board rough edged, and sell for from eight to ten dollars per thousand. The largest and best are put into sugar box shooks for the West Indies The price for the last two years has narket. been very low, about 50 cents apiece. It takes three thousand feet to make one hundred boxes. The other logs are sawn into 14 in, boards for heading, and of these there are a large amount made on this river. They sell for 18 to 25 cents per pair, according to size. It takes one thouand feet to make sixty pair on an average. A large part of heading lumber is sawn from hard pine, as it grows in abundance on the plains. Hemlock boards now sell for \$12, spruce \$14 to \$16 per thousand. There are not so many mills now as formerly, but what they are make up in speed and despatch what the lack in number.

"MUST BAT it's the nicest thing I ever used for the teeth and breath," says overyone having Gird "Tea-berry," the new toilet gens. Get a 5 cent sample.

WESTERN LUMBER TRADE.

At the monthly meeting of the Chicago lum ber dealers to fix the October price list, the directors recommended that no changes should be made except in shingles, in which item of the list they recommended a decline of five cents per thousand on clear, and twenty cents per thousand on extra A and standard A. This recommendation was at once adopted by the meeting, but on a motion for reconsidering this action a few further changes in the list were thought judicious, and on motion an advance of \$1 was ordered on the items of first and second clear, two-inch; A and B selects, two-inch; one and one-fourth inch third clear, and one and one fourth inch A and B selects. With these changes the former list was re-affirmed as the October list, and will so stand unless circumstances shall dictate the necessity of an amended list during the coming month.

The Lumberman says that the accumulation of stocks at Chicago is not at all in proportion to the increase in the volume of trade, and this fact was officially recognized by the following resolution, which was recommerded by the board of directors, and passed at the above meeting ·

Resolved,-That in the light of the experience of the season of 1880, and thus far during the season of 1881, the past, present, and prospective increase in the consumptive demand for lumber throughout the West imperatively requires of the Chicago lumber dealers the holding of a stock in their pards on January next amounting to not less than 650,000,000 feet, in order that the requirements of their customers, both as to quantity and shipping condition, may be fairly met; and we, as a board of directors, would point to the fact that but two months of navigation remain, during which time an increase of 75,000,000 feet must be obtained during each month in order to meet what we firmly believe to be the requirements of a healthy winter and spring business, and that, in our opinion, the present prospect and rate of increas. do not warrant the belief that the necessary quantity is likely to be realized by a large difference.

The secretary presented an estimate, based upon his daily reports of the present stocks on hand, placing that of lumber at 511,964,279 feet. and of shingles at 200,600,000, on September 25, an increase, as compared with the yard reports of October 1, 1880, of 47,916,234 feet of lumber, and 66,355,000 shingles.

C. P. E. LAND DEPARTMENT.

Early in May the Company, having taken into consideration the organization of a land department to deal with the vast acreage to be awarded as the line progresses, decided to establish the head office in Winnipeg, and appointed Mr. J. H. McTavish, Chief Factor of the Hudson Bay Co. here, as Land Commissioner. Mr. C. F. Kindred, formerly chief clerk of the Northern Pacific Land Department in St. Faul, was subsequently appointed Assistant Commissioner, and the organization of the department has been rapidly completed by Mr. McTavish, who secured the premises formerly occupied by the Bank of Montreal here for offices. Land examiners have been in the field for some time past, and the office staff have been busily engaged recording and classifying the applications that have been made to purchase lands. Over 1,500 applications have already been received, the amount of land repre sented by them amounting to about 750,000 acres. On Monday, the 26th, the Department will commence to deal with these applications, and will on and after that date be prepared to sell land. In all cases in which persons have settled on railroad lands in good faith and made reasonable improvements, their claims will be respected, and they will be allowed to purchase the land on the Company's advertised terms.

The Company has decided to sell only to actual aettlers or to persons who agree to cultivate and otherwise improve, and the permicious evil of speculators buying large tracts and locking them up will be thus avoided. The price of lands will be \$2.50 per acre, one-sixth in cash and the balance in five equal annual instaiments. The form of contract which has been prepared provides that until the final payments are com-

ploted, all improvements placed on the premises shall remain; that the purchaser will regularly pay all taxes, and that he will cut no wooder timber upon the land except for fuel and fene ing and the erection of buildings thereon. It is provided that the purchaser shall, within four years after the date of the agreement, bring under cultivation, and sow and reap a crop on three-fourths of the land, but if he shall trut buildings thereon, satisfactory to the Company. and shall reside thereon continuously for three years at least of the four years, then at least one half of the land shall be by him so cultivated and cropped within four years. It is further provided that the purchaser will be allowed a credit of \$1.25 per sero for each sero cultivated and cropped during the four years, or if he erect buildings and reside on the land continuously. then the period during which breaking may be made and allowed for will be extended. On the completion of the payments and the perform ance of the terms of the agreement, the Company will give a deed conveying the land in fee simple, reserving, however, a strip or strips 200 feet wide to be used by the Company for right of way or other railway purposes, wherever the line of the C. P. R. or any branch thereof is or shall be hereafter located over the land. If the purchaser fails to carry out the terms of his agreement, all his rights, etc., in the land will cease, and it will revert to the Company, but the Company may, in its discretion, revalue the land and mrke a new sale of it to the purchaser at the revaluation. - Winnipey Free Press.

A Large Walnut Tree.

Malachi White, of Middletown, has sold to Watson & Buckman, lumber dealers, of Newtown, Pa., the large walnut tree which has stood in the door-yard for at least 150 years past, and from which the farm derived the name of "Walnut Green. From the best information that can now be obtained, it is supposed the tree was planted by John Woolston, the owner of the farm, about the year 1728. The tree was twenty feet in circumference, nineteen feet to the limbs, and as straight as an arrow. Some of the limbs are about three feet in diameter and thirty feet long, making good sized saw logs. The tree was a great bearer, and it is said that as many as sixty bushels of walnuts have grown on it in a single year. The cutting and hauling of such a tree is no inconsiderable task, and it had to be chopped for a considerable distance before the eight-foot cross-cut saw could be worked to advantage. After cutting the tree down the log was cut off nineteen feet long, and loaded on a log carriage and taken to Newton, where it will remain about a year, or until the sap becomes colored, before it will be sawed.



Department of Crown Lands, TORONTO, Gui October, 1841.

NOTICE IS HEREBY GIVEN THAT, UNDER AN ORDER IN COUNCIL,

TIMBER BERTHS

In the undermentioned Townships in the

MUSKCKA and PARRY SOUND DISTRICTS,

Will be offered for Sale by Public Auction at the Persartment of Crown Lands at twelve o'clock noon,

On TUESDAY, the 6th day of December next,

viz.:—Townships of Mowat, Blair, McConkey, Hardy, Patterson, Mills, Sinclair, Bethune, Proudfoot, Gurd, Machar, Strong, Joly, Laurier, Pringle, Lount, Nipis sing and Hinsworth.

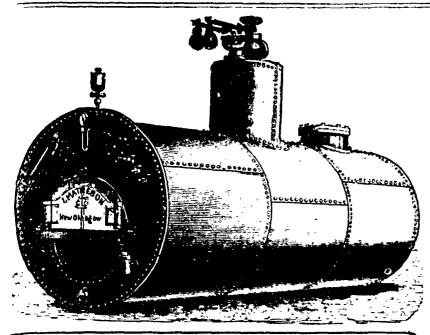
The area to be disposed of in the above Townships as Timber Berths is upwards of 1,400 square miles, and to suit all classes of purchasers each Township will, as nearly as practicable, be divided into four berths.

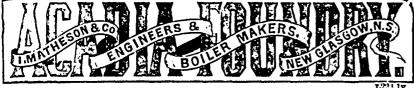
Sheets containing conditions and terms of Sale, with Shoots containing countries and terms of sare, who information as to Area and Lots and Concessions comprised in each Berth, will be furnished on application personally or by letter, to the woods and forests branch of the Department, or to the Crown Timber Offices at Ottawa, Belleville and Quebee, and the Office of T. E. Johnston, Esq., Parry Sound.

T. B. PARDEE.

T. B. PARDEE, COMMISSIONER

1y-L20





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FAMOUS INTERNATIONAL BOILER FLUID COMPOUND.

Patented 5th March, 1877.

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It is perfectly harmless to Iron, and emits a clear pure Steam. In ordering, mention the Canada Lemberman.

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c. h. flewwelling Engraver on Wood

And ELECTROTYPER.

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MACHINE CUTS A SPECIALTY.

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MANUFACTURER OF

Steam Engines and Boilers,

AND ALL KINDS OF MACHINERY.

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

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SPRUCE, PINE HEMLOCK SHINGLES

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D. McLACHLAN & SONS,

Manufacturers of all Descriptions of

STEAM BOILERS.

SHIPS' WATER-TANKS. Repairing Punctually Attended to.

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STEAM SAW MILL OWNERS

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A. F. JONES. Secretary-Treasurer. 17117



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We carry a STOCK of FIFTY THOUSAND DOLLARS to choose from.

We watch the interest of our Customers. Our stock is FULL of the very best goods in Scotch, English and Canadian Tweeds.

We BUY and SELL for Cash, therefore it enables us to do business on very SMALL PROFITS.

NOTE THE PRICES.

LUMBERMEN!

ST. JOHN, N.B. When you visit Toronto, come direct to OAK HALL, and fit yourselves out with a Good Suit. Remember the address:—OAK HALL, the Great One Price Clothing House, Toronto, opposite St. Jame's Cathedral.

THE NEW DOCKS AT LIVERPOOL.

The Timber Trades Journal says that the reception accorded to the Prince and Princess of Wales at Liverpool on Thursday week was of the most gratifying character. The Prince performed the ceremony of opening the great dock gates, and the Princess the interesting duty of "christening" one of the docks, the Alexandra. At a banquet following the cerumony the Prince of Wales, in reglying to the tosst of his health, alluded to this important addition to the dock system of Liverpool in these words :- "We are not likely to forget the reception we have met to-day at Livergool; and although it is by no means the first time that we have visited this great and important city, still the special occasion which brought us here to-day is one which is not likely to be forgotten by us. We have not only visited your great and important city, but we have taken part in a great and interesting work, one which, I trust and feel convinced, cannot fail to improve, if possible, even still more the great commerce of this city, and at the same time ovince the great modern engineering skill of the present day. Everybody knows that Liverpool, after London, is the second largest city in the United Kingclain but there are a few statistics connected with the docks of this great city which I perhaps may mention on this occasion. At the commencement of the century dues were paid on 450,000 tons, and in the present time they amount to 7,800,000-very nearly 7,900,000tons. In the year 1864, when my late lamented father visited your town and opened the dock which is now called after his name, the docks and basins amounted to only 27, whilst now they amount to 53. Again, in that year the length of the quays was nine and a half miles, and it now amounts to forty miles. At that time the water space occupied by the docks was 122 acres; it is now 543 acres, and whilst the extent of the dock estate was then only 506 acres it now amounts to 1,545. These figures show clearly the great prosperity of this city, and they also show, under the able chairmanship and able management of the chairman of the Dock Board, how flourishing everything in connection with these great docks is. I must not forget to allude to the name of one who, though he is taken from you, must ever remain in your memories, the name of the late Mr. Jesse Hartley. It was he who first founded the modern system of docks. After his death his son succeeded him, but only for a short time. and then the mantle of Mr. Hartley descended on the shoulders of Mr. Lyster, the present engincer."

We abstract the following description of the new docks from the Daily News

"The river front of the Dock Estate at Liver pool and Birkonhead is about eight and a half miles. It covers more than 1,500 acres, has water area, including the new doc's, of 543 acres, and forty miles of quays. Eighty years ago the vessels entering the docks and paying dues fell far short of half a million; now it is nearly eight millions-figures which show the The new rapid growth of the latter in size. docks are calculated to accommodate the largest ships now in use, and were commenced eight years ago. A sea wall, crowned by a magnificent promenade, extends northward for 6,000 ft. across the front of the new docks to the Seaforth Battery, whence another sea-wall returns, almost at right angles with the first-named, towards the shere. about 310 acres." The area thus enclosed is

In reference to the Canada Dock, the writer says :- The Canada Basin and its riers, constructed some years ago, have been in a great measure rebuilt and remodelled. Large timber jetties have been added outside the pier-heads, for the purpose of sheltering the entrance and facilitating the egress of ships. To all who know the Mersey this care to prevent accident will not appear superfluous under certain conditions of wind and tide. The basin has also been enlarged, and an elaborate system of sluices constructed within it and carried along the jetties to the outer heads."

In the "Alexandra Dock the main body of the In the "Alexandra Dock the man body of the dock is an irregular rectangle, 1,600 ft. long by 500 ft. in width, enclosing some seventeen acres of water; the total water area is 444 acres, with 11,814 feet of quays. The water area of the lall dealers in Medicine.

Nature Manage as Manager and Manager and Manager area of the lall dealers in Medicine.

Nature Manager and Manager

whole group of new docks is 81 seres, with more than four miles of quays and 25 acres of new theda'

OTTAWA SQUARE TIMBER TRADE.-1881.

From Our Own Correspondent.

OTTAWA, Sept. 26 .- The following is a detailad statement of the number of cribs of timber brought down from the Upper Ottawa during

the present sesson :
J. R. Booth
Caldwell & Son 3
A. & P. White
R. H. Klock
Wm Mackey 3
Wm Mackey
J B Dickson
Octave Latour
R. Campbell & Son
A. Meloan 2
Hilliard & Dickson
Fraser & Curry 1
John Fraser 1
J. Francie & Co
Bell & Hickey
Fraser & McCoulien
J. & S. Bryson
Thistle & Eagan1
R. & W. Conrov
David Moore18
R. & J. White
Alex_ Fraser16
J. & D. Grier 10
Barnet & McKay
McLachlin Bros21
Robert Grapt
J. & G. He ty
W. Croft
Boyd Caldwell
McCool & Sunstrum 8
Gillies Bros
Bills Bros 5
Wm. Mason 6
J. Pompore 1
Levi Young 9
Chas, & Wm. Moh 8
O. A. Orier
R. Nagle 9
Young & Bronson 8

This gives a total of 5.749 cribs; but, in addition to the above, there was a small raft brought down for James Findlay by rail, while all the timber of the British Canadian Company is coming down the same way. The timber by rail would be equal to 600 cribs, so that the grand total of timber reaching market will be To this must still be added 750 6.349 cmbs. cribs in the four rafts of O. Latour; the three of David Moore, and one of R. and J. White, which stuck in the Upper Ottawa, in order to get at the season's output of square timber.

An Architect on the Situation.

An architect, who has done a good deal of work for speculative builders this season, is inclined to think that the marked activity seen in the last six monts, will decline gradually for the next six months.

"What about prices?" asked a representative of the Real Estate Record, of New York.

"My opinion is that the price of labour and material will fall to their normal condition, and then people will think about building again. You know that from 1865 to 1873, the market was in a see saw condition. A year of activity was followed by a year of duliness. Of course, when the panic came, everything came to s standstill for several years. It is only within the last two years that the building trade has regained its wonted buoyancy."

Don't you think there are too many highpriced houses in the market to-day?

"I have no doubt of it. As soon as prices bocome settled, builders will start new enterprises, and as a natural consequence will be able to place houses in the market next year at a figure lower than those who have built this year possibly can."

Somebody will lose money then?

"Yes, but the few will suffer for the good of the many. Rotten concerns will be pushed to the wall, and safer business must inevitably follow,"

Nature Makes no Mistakes.

A WAVE OF IMPORTATION.

The Timber Trades Journal, of Sopt. 17, says: Not only in London but all along the cast coast there is an unusually large supply of weed goods reported in our last number, chiefly from Scandinavia and the Baltic, by reason of about a week of northeasterly winds blowing stradily on that side of the island of Great Britain, being really the first shell of that kind which we have had from that direction for some months past. The provailing winds this summer were from the west and south-west, with an occasional slant from the eastward, scarcely enduring twenty-four hours, or a day or two at most, when they again reverted to the west as before, The consequence was that east country ships dropped in slowly, and the timber-carrying trade seemed to be about to be done chiefly by steamships, sailing vessels making so small a show up to the end of July in comparison of the anticipations of the trade.

We had ourselves warned importers that the summer months were likely to make up a good doal of the shortcomings of the spring, and we certainly had an impression that July and August would bear out the view we took; but when the returns for July showed a substantial deficiency, as compared with last year, our confidence in a plentiful supply somewhat abated, and it appeared likely that the trade would be in a position to make a good profit on the purchases they had made earlier in the year; also reports began to be circulated that demand was overtaking supply, insomuch that those who had made contracts for their season's importation were regarded as on the lucky side, and those who had hung back in doubt during the previous months seemed then to be in some haste to secure a larger share of the stock still remaining for shipment abroad than they had previously intended to buy.

The returns for August again, though those of a good average month, were still moderate, and short of public expectation. This gave re newed briskness to speculation, and some considerable stocks abroad found buyers ready to deal for them offhand, as we intimated last week. The sudden change in the ratio of supply which we then had to record must, however, in some degree damp the ardour of buyers. People wondered what had become of all the sailing ships that were supposed to be in the trade, and those who had chartered and got their bills of lading long since began to fear the short days would be here before the cargoes on the way home. September has already materially abated their apprehensions, and the opinions of the rade in regard to the ultimate wind-up of the year will again vary.

The importation to the United Kingdom for the first week of this month averaged more than 110 timber ships peralay, and if it continues at that rate to the end of the month, and assuming the average cargo to be only 150 standards, we should have imported nearly as much in excess of last year as we were at the end of August in arrears of it-viz., about 760,000 loads. But this, of course, is not altogether likely, though it is far from impossible that we shall tread very closely on the heels of last year, for if the North Sea were cleared of the bulk of the cargoes on it last week, the Atlantic, as shown by the returns from the west coast, was all the oth r way.

Liverpool, with heavy stocks, had very little added to them, and, though doing a fair trade, could not get any appreciable advance. The best sizes and qualities of St. John spruce, at the public sale, brought no more than £7 10s. and the average of the cargo not £7, and other spruce cargoes from the Gulf of St. Lawrence averaged about £6 10s. With these prices on a backward importation it can scarcely be expected that better terms will prevail later on. There were, however, two causes assigned for the disinclination of buyers to accede to an advance of price—one that "the lower port cargoes were somewhat discoloured," the other, that buyers were discouraged by the bad harvest prospects. For ourselves we do not attach importance to either in this case; most likely the plentifulness of the stock on hand and the

what it was last year, found no buyers at the reserve on it-this, too, in the face of a rising market at Quebec. In contrast with the state of the importation for the same week in London, we may point to the fact that more firewood was imported there than the total bulk of word into Liverpool, over thirty cargoes of firewood besides oddinents arrived in the Thames during that week, bringing altogether more than 5,550 athoms (above 23,070 loads). Possibly with the next strong mill from the westward the arrival of transatlantic timber ships in Livermot will render the contrast less remarkable, but on the other hand, as the demand is already scarce. ly equal to the supply, which means that the commodity is too abundant to admit of much margin to the vendor, with large arrivals it will be still more difficult to obtain a profit. * We may therefore look forward to a rather full importation during the fall. Nor, after the bound forward which the trade has made in that department since the present month commenced, will anyone be surprised if the tot-up at the end of this year should find the United Kingdom quite as well supplied with foreign and colonial timber as it was at the termination of the last.

Swedish Enterprise

The Timber Trades Journal ans s :- It is reported that, in view of the development which the trade in wood goods from the north of Sweden to Australia is taking, several of the Swedish shipbuilders, who have hitherto been occupied in building wooden ships, are preparing to lay down iron ships instead, the advantages of the latter class in carrying capacity, &c., more than making up for higher first cost. There is no doubt a considerable field of em. ployment open to tennage of this class, and which can be much easier worked than steam tonnage, from the north of Sweden; but it is, however, liable to be ousted out of the return freight and other goods from Australia by steam. however remote this contingency may appear at Iron shipbuilding at Gothenburg, Malmo, Oscarshamu, and Stockholm is active, and an increase in the size of the vessels is observable. Steamers of 3,000 tons burden are now being built at Malmo for Copenhagen firms, to run between that lively Danish town and the United States with emigrants and goods.

Beller Exp'onions.

A Canadian mechanical engineer, named Arnoldi, has invented a device designed to give a partial security against boiler explosions. The invention consists of an electric adjustable attachment to the ordinary steam guage now in use, to give an instant and continuous alarm, at any distance from the boilers or other pressure generators, of any excess of pressure over that at which the alarm has been set, and where there is more than one generator in operation, an ordinary "tell tale" can be attached to signify which generator is at fault. The invention possesses a great many valuable features, prominent among which may be noticed that it is extremely simple and inexpensive, and can be attached to existing arrangements at 1.0 expense beyond that of the alarm itself, and without in any way affecting the present adjustment of the guage.

Fire Proof Shingle Roofs.

Spon, for this purpose, recommends a wash composed of lime, salt and fine sand or wood ashes, to be applied as in putting on a coat of whitewash. This coating, he adds, will render an ordinary shingle roof fifty-fold more safe against fire from falling cinders in case of a neighboring fire, than one without it. Healds, also, that it will have a preservative effect on the shingles, protecting them against rotting from exposure to the weather, and against warping, and states that the older and more weather-beaten the shingles are the more benefit they will derive from this application. He re commends, finally, that a small quantity of lampblack be mixed with the wash, to give the coating a darker color, thus avoiding the offen sive glare of a white-washed roof.

The ancient orders of architecture are the Tuscan, Poric, Ionic, Corinthian and Composite. The five leading pens of Esterbrook's make are the Falcon, Bank, Engrossing, Extra Fine and School.

Chips.

THE Chippewa, Wis., Lumber & Boom Co.'s mill, in two days last week, sawed 856,000 feet of lumber, in an actual running time of twentytwo hours.

THE Empire Lumber Company, of Winona, will erect a new mill that "will occasion the expenditure of about \$100,000 in the further development of the manufacturing interests of Winous'

THE state of New York has not escaped devastation by forest fires. A tract twenty miles in diameter near Carthage was burned over, the estimated loss of timber lands being three hundred thousand dollars.

THE Orillia Packet says :- On account of the lowness of the water the Severn mills have been cutting rather below the average. Should we not get very heavy rains soon the probabilities are the mill will be stopped.

THE building trade is showing signs of activity in Bristol and the West of England. Masons and carpenters are more busy than they have been for the past two years, and there is a decided improvement in the demand for timber.

THE St. Croix, Wis., boom has been closed for the season. A little over 200,000,000 fout of logs have passed through since navigation openel. The Stillwater Gazette says the total amount got out this season exceeds that of any year in the history of the boom.

SANDS & MAXWELL, of Pentwater, Mich., have shipped to C. C. Thompson & Co., of Chicago, a clear pine plank, sixteen feet long, forty inches wide and four inches thick. The same firm has also shipped one of the same size and grade to the St. Nicholas Toy Company.

FROM a tabular statement in L'Echo Forestier we gather that fifty-four vessels entered the port of Dieppe, France, during the month of August, with timber cargoos, the greater number arriving from Hernosaud and Sundswall (Sweden), Riga and Kotka (Russia).

Ar the French seaport town of Honfleur they cannot be said to be protect; mists in the timber sawing business. Instead of only raw wood being sent them as formerly, to be worked up, a great deal of timber is now brought already worked, to the detriment of many Honfleur naw mills.

C. L. STINE, Bucyrus, Ohio, who has a mill four miles west of that town, has sawed 1,500,-000 feet of hardwood this season, and expects to add 1,000,000 to it by shutting down time. Walnut is worth \$45 in that locality; oak \$20; ash \$21-all right from the saw. The market is active, and the timber supply limited.

THE Chippowa, Wis., Herald says the Chippewa Lumber and Boom Company's mill has cut thus far this season, 41,000,000 feet of lumber; 12,500,000 lath; 200,000 pickets, and 9,250,000 shingles. It is estimated the mill will cut by the 10th of next month 50,000,000 feet, This is about 15,000,000 more than it has cut in my previous season.

SAMUEL JELLISON, of Belfast, and the spool factory company of Searsport, Me., have recently purchased a township, known as No. 4, in range 8, in the north part of Penobscot county. The township contains 33,000 acres. The east tranch of the Per 'scot river, and a tributary, run through the township, affording excellent opportunities for logging. The forests are largely white birch, which is the material used in the manufacture of spools. A large gang of workmen are now on the grounds getting out

WHEN the Stillwater, Minn., boom was shut down on account of the recent high water, over 220,000,000 feet of logs had passed through during the season thus far. The total amount got out this season exceeds that of any year in the history of the boom, the largest run heretofore, which occurred about five years ago, having been 204,000,000 feet. At a meeting of the Lumbermen's Board of Trade held recently, it was decided to sand a crew of men, under charge of James Rooney, to Taylor Falls, with instructions to bring down every log between that point and Stillwater. This, it is said, will make the cleanest sweep ever known.

FIVE ACRES OF LUMBER BURNT.

The Oswego Palladium gives the following graphic account of the apprarance of the recent conflagration in that city :- "We are sure that none who saw this picture when the fire was at its height over saw a grander or more impressive of the kind. About five scres of lumber all in blaze, fanned by a galo of twenty miles an hour, makes an elemental combinut, m soldom Seizing on a lumber pile the fire would wrap it in an instant and pour from every interstice from top to bottom a devilish looking blue flame, which streamed from the cracks in a sheet resembling molten metal forced or * undehigh pressure. Theretwere, as said, about five scres of these mighty forges, all flaming at once. and when they lost their individual forms and settled down into less shapely heaps they glowed and fused like eres. Apart from the sense of danger and damage going on, it was a stupendous spectacle. Thereflection of the fire lighted the cloudy sky with a sickening glare which had an awful look, and for miles around the country was ligited up almost as by the sun at noon. Throughout the towns of Oswego and Scriba the people were awakened by the unearthly light, and looking toward the city believed it to be all on fire. Many hitched up their teams and drove to town, and several carriages came down from Fulton, where the fire looked as if the whole city were involved."

How Porests Pay in Scutinnil.

A writer in an English journal says that there have been forests in the neighbourhood of Darnaway for meny centuries. The oak forest of Darnaway, which, by the way, is the seat of the Earls of Moray, is acknowledged to be the finest in Scotland, and there are few which can compare with it anywhere in the British Isles. For over a century the oak produced from this forest, which is over 3,000 acres in extent, has attracted attention all over the north of Scetland, and ship-builders and wheelwrights from all parts annually attend the sales. As carly as the latter years of the last century the thinnings brought \$5,000 per annum, and between 1830 and 1840 the sale of timber and bark ranged from \$20,000 to \$25,000 yearly. Owing to the low price of both wood and bark, not so much has been cut lately as in former years, but notwithstanding the way it has been reserved, it is said that after paying every expense during the growth of the timber, the revenue of the forest per acre has been double that of the finest at able land in the country. Some idea of the extent of the forest, including the oak and pine woods, may be gathered from the fact that in order to make a tour through them a walk of twenty-six miles has to be engaged in.

THE Monominee, Mich., Herald, in mentioning the slabs and edgings that are being shipped from Saginaw to Chicago, says that the amount of this kind of material destroyed in the burners at Menominee caily would supply a large city with wood steadily. Thousands of cords of edgings are consumed, with other refuse, every season, which if it could be "dropped" in a city like Chicago, would keep thousands of families in fuel the year round. It seems unnecessary to waste so much wood in order to get rid of it, and that, where mills are situated on navigable water, this waste might be profitably shipped

MESSRS. GEMMELL, TUCKETT & Co., in their monthly timber report, dated Melbourne, August 1st, state: - The amount of business carried through during the month has been fully up to the average, and prices have been surtained.

AMERICAN LUMBER.-Market quite bare of w. p. t. and g. ceiling and shelving, and stocks of clear pine are lower than for years past. The only sales were ex Harrard, 43,510 ft. wide w. p. shelving, £11 10s. to £11 5s. per M super; 4,819 ft. 51×11, 6×11, t. and g. pitch pine (mcluding tongue), 11s. 3d. per 100 ft. lineal.

ZOPESA.—A healthy man never thinks of his stomach. The dyspeptic thinks of nothing else. Indigestion is a constant reminder. The wise man who finds himself suffering will spend a few cents for a bottle of Zopess, from Brazil, the new and remarkable compound for clensing and toning the system, for assisting the Digestive apparatus and the Liver to properly perform their duties in assimilating food. Get a 10 cent sample of Zopesa, the new remedy, of your druggist. A few doese will surprise you.

The Ottawa River.

An exceptional, not to say extraordinary, lowness of water in the Ottawa River at the present acason affords a good opportunity for examining the bed of the stream, and becoming acquainted with hitherto hidden damere to navigation. All along the river between the Chandiero and Grenville, rocks and reefs, whose very existence was unknown, have appeared above the surface of the water | Opposite Ottawa three new islands are laid bare, and further down a most dangerous sharp pointed rock has appeared in McLaren's Bay. At various parts on the shores similar abstructions are now con anicuous.

These facts, we should think, ought to induce the Government to take steps for clearing the river of the worst, at least, of these rocks and reefs. A proposition, noted in these columns the other day, has been made to erect a dam at Grenvillo, and we hope it will receive favorable consideration by the Department of Public Works. But it is equally important to remove obstructions as it is to keep up the level of the water, and, as the season offers exceptional advantages, no time should be lost. A very small outlay, comparatively speaking, at the present time would be of the greatest advantage, and, perhaps, save both life and property hereafter. -Free Press.

D. S. BRIGGS.

9 TORONTO STREET. TORONTO.

WHOLESALE DEALER IN

Clear, Pickings, Common and Hardwood Lumber, Lath, Shingles, &c.

BILL STUFF CUT TO ORDER.

J. K. POST & CO.

LUMBER MERCHANTS

And Shipping Agents.

OSWEGO, N. Y

JAMES HADDEN.

Shingles and Dressed Stuff

Formead, P. O., County of Simcoe, Ont.

Two Planers for sale or exchange for a Boiler.

S. S. MUTTON & Co., Wholesale Lumber Dealers TO RONTO.

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

##P.S. — A SET OF TUB MACHINERY FOR SALE, CHEAP—OR EXCHANGE FOR LUMBER. 1916

A. L. UNDERWOOD

WHOLESALE DEALER IN

White Pine, Basswood & Hardwood,

82 King Street East,

TORONTO, ONT.

WISDOM & FISH

IMPORTERS AND DEALERS IN

Rubber 🚆 Leather Belting

RUBBER HOSE, STEAM PACKING, LUBRICATING OILS, COTTON WASTE

Wrought Iron Pipe and Fittings, t

And all Articles used in the Application of Steam to Machinery.

No. 41 Dock Street, St. John, N. B. (SMALL'S BLOCK.)

N.B. -Estimates for Steam and Not Water Heating Apparatus furnished on application. All work War-zanted. 1y-120

Flexible Board Rules.

With Steel Head, either Cleveland or London make, at \$1.75 Each.

GEORGE STETHEM. PETERBOROUGH.

J. G. EDWARDS

HARDWARE MERCHANT,

LINDSAY.

BELTING. FILES. BABBIT METAL. CHAINS, ROPE, and

LUMBERING SUPPLIES.

WANTED.

Cherry, White Ash, Black Ash, and Dry White Pine Lumber.

Quote Price delivered, and Carefully Describe:—Quality, Widths, Length.

Thickness, and how long Sawed.

ROBERT C. LOWRY.

Wholesale Lumber,

55 Pine Street, New York.

SAMUEL WINDRIM,

MANUFACTURER OF

Agricultural Implements, Etc MILLBROOK, ONTARIO.

HAVING DISPENSED WITH THE SERVICES OF AGENTS, I take this opportunity to bring to the notice of intending purchasers of Heaping Machines, that I have now on hand a quantity of the Colebrated

HANLAN REAPER.

which has NEVER BEEN BEATEN YET, and am prepared to allow the Agents commission—FIFTEEN PER CENT—on all purchases.

Penetanguishene Foundry

MACHINE SHOP CRAIG & CAMERON, Proprietors.

The undersigned beg to announce to the public that they are prepared to make all kinds of Rill and. Steamboat Brass and Iron Castings. All kinds of PLOW CASTINGS kept on hand. Plow Points and Landsides a specialty.

We have first-class machinery and are prepared to do all kinds of TURNING or PLANING on short notice.

We hope by strict attention to business and moderate charges, to merit a share of the public patronage.

Ed'All work guaranteed.

O. A. CRAIO.

FOR SALE.

The Dexter & Whitwam Manufacturing Company, offer for Sale the Entire

Real Estate Plant and Machinery

OF THEIR EXTENSIVE

BENDING & TURNING FACTORY

Situated in the City of St. Thomas, in the County of Elgin, ontario. For full particulars apply to H. BROWN, Manager, or E. MOORE, President. L30tf

J. T. LAMBERT.

Lumber and Commission Agent.

FOR SALE.

160 Mils. White Pine, 1 x 10 Stock.
175 " do 1 x 12 "
11 " do 2 x 10 "
20 " do 2 x 12 "
140 " do 1 inch Siding.
20 " do 11 "
40 " do 2 x 10 Joint Codar,
19 " Redo 11 do 12 do 2 x 10 Joists.
Cedar, 3 x 0 do Basswood, 11 inch,

APPLY AT THE OFFICE.

WELLINGTON STREET, OTTAWA.

Market Reports.

MONTREAL. From Our Own Correspondent

SEPTEMBER 26.—Since the date of our last report the shipping of lumber has almost ceased. The shipment to South America was only one cargo to Buenes Ayres, consisting of 535,669 ft; to Cardiff, 9,007 pieces; to Cardiff, 129,000 feet. Lumber stocks here of all kinds are very low, both of sawn lumber and round logs; as a consequence prices are very stiff, and, water being so low, higher prices are expected very soon, at all events as soon as navigation closes. We do not at present alter our quotations, but outside figures for the most part rule. We still quote as under:—

Pine, 1st quality, P M	832	00,740	00
Pine, 2nd " WM	18	00:t24	00
Pine, shipping culls, & M	12	00ka 15	00
Pine, cull deals, \$2 M	`8	00ut10	
Pino, mill culls, \$ M		OOKE G	
Spruce, & M		00.410	
Hemlock, W.M		00/410	
		00:418	
Ash, run of long culls out, NM	11	00se16	
Oak, \$2 31		00445	
Birch, & M	17	00/220	00
Hard Naple, & M	iά	00000	nă.
Lath, & M	ň	9540 1	95
Shingles, 1st, & M	÷	00.40	~
Shingles, 2nd, & M		0001	8
The Askal Linnard Constitution			

The total shipments since the opening of navigation to date were 7,848,475 feet, against 4,319,-278 feet for the same period of last year, being an increase of 3,529,197 feet. Advices from Ottawa report that many of the mills in the Chaudiere, owing to want of logs, want of water preventing their getting, the logs to the mills, have been obliged to shut down, so that everything here looks for considerably higher figures in the near future.

In cordwood there has been considerable activity, and holders are making stremous attempts to enhance values, but in the meantime ready money makes a little difference in their views. We continue to quote as under, at which some pretty fair transactions are transpiring. We quote:—

Red Tamarac	4	30kt	5	00
Hard Manie	5	50.0	G	50
	5	00st	0	00
Red Birch	5	5066	Ç	00

Later.

OCTOBER, 10th .- There is a general complaint among the lumber merchants here of the difficulty of getting down lumber, owing to the lowness of the water, and as a consequence prices are very firm; but as the domand for building lumber has not been very brisk, prices can hardly be said to be quotably higher. Shipments since the date of our last report have been very small, indeed they have almost ceased. To Cardiff 85,140 ft. have been shipped; to Liverpool, 23,314 pieces of deal boards and ends, and 155 pieces of oak : to Buenos Ayres, 539,148 ft. The total shipments to the River Platte since the opening of navigation to date were 8,567,623 ft., against 5,751,431 ft. for the same period of 1880, showing an increase of 2,636,189 ft. The quotations remain the same as in my last opistle.

Connwoon.—There have been some large contracts entered into for long maple, at \$7.50, delivered. The prices on the wharf, ex cartage, are long maple, \$7.00; short do., \$6.50; long birch, \$6.50; short do., \$5.50; tamarse, \$4.50. The demand for cordwood is better, and prices are very firm.

TORONTO.

From Our Own Correspondent.

OCTOBER Sth .- The block in lumber at this port continues much the same as when I last When passing over the dock yes tenday the writer estimated that nearly 3,000,000 feet of lumber, including that standing on the cars, was awaiting shipment, and at the time of writing this there is not one foot of available space left on any of the docks belonging to the H. & N. W. R. Co., and at the present time only one small vessel leading at the wharf. Lumbermen have had a hard time of it this scason; what with scarcity of cars, fighting bush fires, burning of mills, and difficulty experienced in getting the lumber away after its arrival here, their lot has not been a happy one, and the season being now so far advanced, the auxiety of shippers to forward their lumber to to destination is quito excusable.

During the last three weeks large quantities of cedar ties have arrived here for shipment. Messrs. Rathbun & Son have purchased largely in this line north of this city, and are now shipping them to the American market. Two years ago \$13.00 per hundred was the ruling price for ties leaded on the cars; \$18.00 per hundred is the price new being paid, so that owners of tracts of cedar are beginning to realize that they have quite a benauza. The contractors for the cedar block pavement in this city have now had to suspend work until spring, on account of the scarcity of cedar suitable for their purpose.

The scarcity in bill lumber still continues, and builders have frequently to visit all the yards in the city before procuring sufficient to meet their wants, and in many cases have found it impossible to get their orders filled, and yet in the face of this famine for dimension stuff, prices still hang at the old figures, and lumbermen are missing a good chance to raise their tariff of prices, simply for the want of a mutual understanding with each other on this and other matters equally important to the trade.

The 20 per cent. advance on R.R. freights has now become an established fact, and it is announced that the Railway Company repudiate special arrangements made prior to the advance in rates, but, to say the least, it is questionable if railway corporations have the power in their hands to grant special rates to certain individuals. It certainly seems unreasonable that one man or firm should have their lumber brought from any given point for three or four dollars per carless than some other men or firms, doing business at the same place. Yet such is, no doubt, the fact, but it is done in this way, in order to make it colorable, all bills for freight from all stations are made out at the same figure, and the favored ones get a rebate by applying at headquarters. This enables such persons to undersell their neighbors fifty cents per M., or else make that much higher profit. A more unjust method of doing business it would be hard to name. In such cases the smaller fry are at the mercy of the larger fish, as fifty cents per M. im times of close competition, and in sales devoid of risks, would be a fair living profit, especially if the sales were made in large quantities.

Shingles are somewhat more plentiful, and remain at the same figure retail, but considerably lower wholesale on rail or vessel, \$2.40 to \$2.45 being the ruling figures for 16-in, XXX shingles, F. O. B. vessel here. Sawn lath are in good demand, and less plentiful than formerly, and as the season's work comes nearer to its close, lath will likely advance in prices. Butternut is in excellent demand, and a good article will bring a good figure, especially if cut into 2, 3 and 4 in. plank, or 6×6 and 8×8, and any partice having dimension stuff, say 2 x 8, 2 x 10, 2 · 1 and 20 and 22 ft., will meet with ready sale, and at good prices, on this market, as ninetenth sof all shipments arriving here are comprised of mill cull, and shipping cull boards. Sound stock beards and good lumber find their way over the docks, leaving little but coarse boards for the local trade. Black ash lumber of good quality will command ready sale here at present Many people are now only beginning to find out the value of this wood for finishing purposes, and yet hitherto a building could be finished with this wood at less cost than when finished with good pine, and its appearance, when oiled, is much preferrable to pine when painted, and its lasting qualities, in dry situations, nearly

Building continues as briskly as ever, and it may serve to convey some idea of the large amount of lumber being used in this city when I state that the firm of J. & F. N. Tennant alone are reported to have sold about 1,000,000 ft. on the local market during the past month, and this amount sold mainly to consumers, and this would certainly not be more than the one-tenth of all the lumber sold to consumers during that same period.

		QI	COLVATIONS.		
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•••	•••	•••	26 R	14 50 4	

В	Scantling and foist, up to 28 ft.	15	50
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,	" " 31 ft	ěň	፠
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1	Cutting up planks to dry	30	ж.
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۱(undressed	14	00
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LONDON, ONT.

From Our Own Correspondent.

OCTOBER, 10th.—There is a general talk of dullness in the lumber market here. It was at one time thought there would be agood demand spring up in the Fall, wood merchan's generally were confident of this result, but 'nas not yet been realized, and, since my last, ...sinces has fallen off instead of increasing, as expected; there is, however, no grumbling, as all dealers seem to have enough to do, ar ...ppear satisfied. Prices, however, remain unchanged, which is a healthy sign.

As the Fall comes upon us building in this city narrows down to small limits, and there is nothing particular to note in this direction.

The Messrs. Green, whose extensive premises were almost completely destroyed by fire some time ago, are rapidly rebuilding, and they will be in working order again in a very short time. These premises will be of a more modern construction than formerly, and built with a view to evade any sudden attack of fire.

Mr. G. C. Hargreaves has effected a compromise, and the estate is being wound up. Meanwhile Mr. Hargreaves himself is employed in this market by a large wholesale Toronto firm.

The lumber coming in here is principally by the G. W. R. There are great complaints of the G. T. R. not having sufficient car accommo dation for the requirements of the tride.

I must report the lumber market dull in this city, but prices rule about the same as given in my last.

QUOTATIONS.

Mill cull	boards:	and sca	ntling.				810	00
Shipping	cull bo	ards. m	romiscu	OUS Y	n Idth	9 .	11	00
-44	44	10	Cand 1:	2 in. s	stocks	1	11	60
Common	boards	, promis	scuous '	widti	18	. 	13	00
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ST. JOHN, N. B.

From Our Own Correspondent, DEALS.

Reference was made in our last report to the efforts being made to complete the leading of ships then in port, by the 1st inst., to secure their deck cargoes. Those efforts were quite successful, the result being to greatly reduce the dimensions of our fleet, as well as to exhaust our stock of deals. Probably the stock of deals here is less than it has been for more than a quarter of a century, and as the country mills are mostly idle, the prospect is that the quantity wintered

here will be scarcely worth counting.

The freight market is remarkably quiet; scarcely any tonnage offering, and but little wanted. The only recent transaction reported is the Champion, 799 tons, for Liverpool or Bristel Channel, at 57s. 6d., which may be considered about the market rate. Owners are talking of 60s., but considering the great scarcity of deals, it is doubtful if this can be obtained at present.

VESSELS IN PORT.

The following is a list of the versels in port, with their tennage and destinations:—
Anna P. Oddell, 379, Glasgow
W. D. Wallet, 1413, Melbourne.

Stanley, 542, Franco.
C. E. Robinson, 531, Cork Quay.
Eleanora, 1049, United Kingdom,
Adept, 1102, Liverpool or London.
Windward, 607, Rio Janeiro.
E. Sutton, 525, repairing.
Kilverdale, 1190, Liverpool or London.
Salacia, 707, —
W. Dickinson, (s), 1350, Liverpool, London, Fleetwood
or Bristol Channel
Champion, 709, L. — nool or Bristol Channel.
Laila, 301, —
Sovereign, 332, Wext. d.
Teddington, (s), 1310, Lischarging.
SHIPMENTS.
The shipments of deals and other sawn lumber

Malville, 924, Melbourne.

uo as follows:—

October 7th, 1881.

From Another Correspondent. SHIPPING.

" United States..... 3,106,000

October 8th.—The fleet has been considerably reduced since our last, as quite a number of vessels cleared on the 1st of October, in order to get away before the deek load law came into operation. Under this law no vessel clearing after the 1st of October can take more than three feet of a cargo on deek, which of course materially reduces the amount of freight.

English freights are not materially changed. We hear of one charter at 65s. 6d. to the Bristol Channel. Of the two steamers in port, one is unchartered at present, and the other has been taken for U. K. at private terms, said to be 55s.

Coastwise freights are about as before quoted, and \$2.25 can be readily obtained for Boston. We are aware of one charter for Boston of a load of sleepers, at 14½ cents, which is really better than \$3.00 per M., but this is an exceptional case.

OUR LUMBER EXPORTS.

The following is a statement of the clearances of lun ber at the port of St. John, N.B., for transatlantic ports for September, 1881. During the month 32 vessels, having a total of 22, 573 tons, were leaded with:

Deals, battens and ends 20,491,226 sup. feet

Deals, battens and ends 20,491,226 sup. feet
Boards and scantling 097,971
Pine timber 37 tons.
We also give the shipments of lumber at the

Logs are scarce and holders are not desirous of selling. About 300,000 feet of unmarked superior logs were sold in the boom at \$3.00.

The English market remains fairly satisfactory, and at the present time the stock in Liverpool is not excessive, so that dealers can command good prices.

The American market is also tolerably remunerative. In Boston we can quote \$13.00 to \$14.00 for good wide spruce boards; laths at \$1.75 to \$1.87\frac{1}{2}\$. In New York laths have in some cases reached \$2.00, but the majority of sales have been at \$1.90.

Oct. 8th, 1881.

ALBANY.

Octoner 4 .- The Argus says the demand for the past week has been largely in excess of the preceding, and the attendance of buyers better. A sale of a million and three-quarters to a Brooklyn firm is among some of the purchases we hear of. The scarcity of certain pine grades specially sought after for manufacturing purposes is being felt, and it is apparent the "cry of wolf" is not without reason, as we hear of a prominent Michigan manufacturer shipping Lax direct from the saws to vessel. The lower grades of pine lumber have been sold, no doubt, too low, considering the yearly decreasing percentago of the better grades, and we see lighter stock here to-day than for years past, which no doubt will produce an effect on prices during the short business reason that remains. Vessels from Canadian ports are difficult to get, and the rates asked very high. The northern mills are working with a fair supply of water.

The receipts of lumber by lake at Buffale for the week ending Oct. 3rd were 8,660,000 feet and by rail 80 cars. The receipts by lake at Oswego for the week, as far as reported, were 6,266,480 feet.

The receipts by canal at Albany from the opening of navigation to the 1st Oct. were:-

Freights from Bay City to Buffalo and Tonawands, \$3.00 tf M.; from Saginaw, \$3.25. From Tonawanda to Albany, \$2.65. From Oswego to Albany \$1.75. From Port Hope to Oswego, \$1.25. From Ottawa to Albany, by boats, \$3.00 tf M. feet.

River freights are steady: :

@1 00
@1 374
(d1 37)
00@t2 25
25(42 50
25ct1 30
(d2 00
6(2 00
G(1 75
ut1 75
@2 00

To Philadelphia	•	. હ	3 0	Ю
Quotations at the yards are as follo	W	:		
Pine, clear, P M	153	6030	:3	00
l'ine. fourths	48	OU(#:	33	O
l'ine, selects.	43	00kg	វន្ត	00
Pine, good box	10	wg:	SN.	W
Pine, 10-in, plank, each	×	88@K	~	94
Pine boards 10-in	õ	28(4)		
	Õ	1800	Ñ	19
Pine, 10-in. boards, 16 ft., & M	25	00(43	30	00
Pine, 12-in. boards, 10 ft		00@S		
Pine, 12-in. boards, 13ft		00@s		
		00/64		
Pine, 14-in. siding, common Pine, 1-in. siding, select		00@1		
Pine, inch siding, common		000		
Suprece, hoards, each		00000		
Spruce, plank, 14-in., each		000		
Spruce, plank, 2-in., each		00000		
		1160		
		00(30		
		00(d) 00(d)		
		00000		
Ash, good, V M		0064		
Ash, second quality, & M		00@3		
		00(47		
		00@3		
Oak, good, V M		00(†4 00(†2		
Oak, second quality, & M		00(32 00(42		
		00(44		
Maple, Canada, & M		00/d3		
Maple, American, per M		00@2		
		00G4		
Shingles, shaved, pine, 9 M		000		
2nd quality		00@ 1900		
clear, sanca, pine	ň	000	•	40 90
ctm, sanod, pine		6000		
" cedar, XXX	0	લ્લે છ	4	œ
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CHICAGO.

OCTOBER 5 .- The Northwestern Lumberman says the Franklin street market since the date of our last report has been a very dull one, the dullest by all odds of anything which has been seen this year at that place. As will be seen by the figures below, the arrivals of lumber at this port have been very heavy during the week. and this presupposes a large supply of lumber upon the market. With the receiving docks crowded still, almost, or quite to their full capacity, with lumber purchased at the mills, which on its arrival went at once to the yard of the purchaser, it was a foregone conclusion that dealers would not exert themselves to any great extent to purchase lumber seeking a market, at least unless some inducement was offered them to do so. The inducement was accordingly offered, and from a weakness such as we chronicled last week, a decided decline must be noted at this time.

CARGO QUOTATIONS.

Joist and scantling, green, ordinary lengths 10	60211	00
Joist and scantling, green, 20 feet and over 12	OC4415	00
Mill run, choloo green	50(421	00
Mill run, medium, green 13	: 00æ16	50
Mill run common. "	756713	OU
Shingles, standard 2	3540 2	45
Shingles, extra A 2	4500 2	65
Lath	SSG 1	90

LAKE FREIGHTS.

Manistro	2 37]@2 60
Muskecon	2 00
Ludimeton	2 12}@2 25
Grand Haven	2 00
Menominee	2 25
Sturgeon Bay	2 25 @2 37}
White lake.	2 123
Ford River	2 12 @2 25

Receipts and shipments of lumber and shingles for the week ending October 4:—

RECK	iris.	SHIPMENTS.			
Lumber.	Shingles.	Lumber.	Shingles.		
1\$8167,021,000 158062,643,000	25,370,000 21,064,000	45,430,000 41,307,000	\$5,665,000 20,030,000		
Increase., 4.378,000	3,712,000	4,123,000	14,979,000		

Receipts and shipments of lumber and shingles from January 1 to, and including, October 4:---

	, ne	CEIPTS,	Shipments.			
	Lumber.	Shingles.	Lumber.	Shingles.		
1831	1.1,403,7 39,0 00).1,147,377,000	611,831,000	1,305,813,000	640,940,000		
1820).1,147,377,000	497,921,000	1,120,209,000	533,783,000		

In...229,302,000 113,910,000 239,704,000 102,152,000

	1351.	1880.	1879.
Lumber	481.154.279	407,900,615	373,468,900
Shingles		173,763,000	168,207,000
lath	37,550,000	49,765,691	20,770,495
Pickets		2,193,317	1,140,032
Cedar posts	256,235	07,000	463,939

OSWEGOANAY.

There is nd change in quotations. Prices are firm, and the demand good. All lumber arriving in good condition finds ready sale. The docks lately stripped of stocks by the fire are rapidly filling up with newly cut lumber. The prospect for a good fall and winter trade never looked more promising than it does now. The receipts to date for the years named are as follows:—1880, 143,000,000 feet; 1831, 124,000,000 feet. Lake freights from Lahe Ontario ports is \$1.25; canal freights to Albany is \$1.75, and to New York is \$2,35. The following are the quotations:—

)	Three uppers
)	Three uppers
1	Fine, common 20 00@25 00
í	Common 14 00ct18 00
í	Cominon
(Mill run lots
1	Sidings, selected, 1 inch
	1} inch
1	Mill run, 1x10, 13 to 16 feet
1	selected
1	36 00:417 00
	shippers
1	Strips, 1 and 11 inch mill run 15 00(122 00
J	Culls, selected
1	Culls 13 00/g15 00
1	1x6 selected for clapboards 25 00/r40 00
1	Shingles, XXX, 18 inch, plue
П	XX. " " 3 000¢ 3 25
1	XXX. 18 inch. collar
•	27, 11 11 3 35(4) 5 40
П	XXX, 18 inch, cedar
ı	Latiness I Toy I ov
1	

BOSTON.

October 8.—The Journal of Commerce says advices from every hand show business to be fully up to expectations. For all classes of stock there is a good call, and values are very steady. Dealers report that some outside parties are endeavoring to cry down the market for the purpose of lowering prices. Holders are strong, however, and refuse concessions on regular grades in view of the healthy condition of the market and the prospects ahead. Cherry has improved considerably, during the week, in the way of demand. Ash has shown a better position than for some time past. Whitewoods are looking up. Prices on lumber generally are the same as last week.

CANADA PINE.

Selects, Dressed	00/750	00
Shelving, Dressed, 1sts 40	00//42	00
" " 2nds	60,435	00
Dressed Shippers 27	City(29	œ
Dressed Box 18	00(420	00
Sheathing, 1st quality 42	00(445	00
2nd ** 34	00 ₂ r35	00

TONAWANDA.

CARGO LOTS-SAGINAW INSPECTION.

Three uppers	00:445 00
Common	50//20 00
Three uppers	60:e12 60

LIVERPOCL

The Timber Trades Journal, of Sept. 24, says The import still continues moderate, and, as there is a fair and steady demand, prices continue firm, although it most be confessed that it is only by dint of hard work that sales are effected at the present rates. Consumers are loath to believe in reports of short supplies and high cost of production, and are inclined to withhold from making purchases, at any rate for the present, in the hopes that later on rates will be easier. Seeing that the import season is within a comparatively short distance of closing, with the consequent increased cost of freight and higher rates of insurance, it is difficult to understand by what mode of reasoning such an idea can be arrived at.

That this view is well developed was shown at Messrs. A. F. & D. Mackay's sale last Friday, where the attendance was limited in a marked degree and the competition tame and spiritless. One cargo of spruce deals offered at auction was withdrawn from the sale, owing to no bids being obtainable sufficiently high to

warrant the nuctioneer in proceeding, and it has since been sold in one line by private treaty at a good price. Of one cargo of St. John, N.B., deals only about one-half was sold, the remainder being withdrawn, sellers being very firm, and no doubt being strongthened in their posiposition by the fact that the prospect of anything beyond a very moderate import being available for this year is becoming more evident every day.

Birch timber appeared in fair demand, and all that was offered was readily purchased.

The supply of this timber is likely to be small, especially for the better qualities, and should any of this description come down to the shipping ports it will probably be engerly sought after. The sales by anction were as follow:—

Spruce deals, St. John, N.B.—

E. s. d. & s. d.

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Deal ends-					5	15	0			
Spruce deal	s. St.	Ma	n	aret'	8 B	av.	NS	i. —		
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	9 "	21	44	3×8	G	10	Ü			
	10 "			3×7	6	17	6			
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	9 "	11	• •	3×7	6	12	6			- 1
Deal ends—					5	17	5			
Birch timbe	r. St.	Ma	ın	zaret'	s 13	av.	N.S	; -		- 1
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				13 te	n 13	3	134	l. t	0 13 0 17	d.
				1'nd	r 1:	ž **	12	3. te	0 17	13. I

LASGOW.

The Timber Trades Journal, of Sept. 24, says:

There has been a very light import during the past week. The arrivals at Glasgow include a cargo of pitch pine planks, which goes into consumers' hands direct, being forwarded from ship's side per rail. There has been no import of wood at Greenock during the week. Several public sales have been held here, results of which are noted below.

On Tuesday, September 20th, a cargo of Tabasco mahogany was offered, the first direct import here since October last. A parcel of Italian walnut planks was exposed on the same day.

day.

These sales were well attended and the bidding spirited. The Tabasco mahogany, a cargo of ordinary quality, was rapidly cleared off, the market evidently not fully supplied with mahogany.

On Sept. 21st. Messrs. Singleton, Punn & Co. held a public sale of deals, &c., prices as undernoted. There was a good attendance, but buyers were evidently disposed to purchase sparingly for immediate wants, the demand by consumers meantime being rather languid.

Only a portion of the catalogue was sold; prices, however, were fairly maintained. The birch and ash logs were withdrawn, offers not coming up to broker's views.

AUCTION SALES.

On Sept. 20th, at Glasgow, Mesars. Farnworth & Jardine, of Liverpool, brokers:—A cargo of Tabasco nahogany from Chiltepee and Santa Ana, consisting of 230 logs (96,000 sale feet), sold at 5½d. to 10d. per foot, averaging

Messis. W. Connal & Co. thereafter sold by auction a parcel of 155 planks of Italian walnut, at prices ranging from 41d, to 61d, per frot.

foot.
On Sept. 21st., at Glasgow, Messrs. Singleton,
Dunn & C., brokers:—
St John N B, spruce deals—

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| Ohn, N B, spruce deals=
| 16 '24 '' | 13 \ 3 | 104d, cub. ft. | | |
| 16 '24 '' | 13 \ 3 | 104d, cub. ft. |
| 16 '24 '' | 13 \ 3 | 104d, cub. ft. |
| 16 '16 '' | 13 \ 3 | 104d, cub. ft. |
| 17 '16 '' | 13 \ 3 | 104d, cub. ft. |
| 17 '16 '' | 13 \ 3 | 104d, cub. ft. |
| 17 '16 '' | 11 \ 3 | 11 \ 3 | 11 \ 4 | cub. ft. |
| 17 '18 '' | 11 \ 3 | 11 \ 3 | 11 \ 4 | cub. ft. |
| 18 '16 '' | 23 '' | 9 \ 3 | 11 \ 3 | cub. ft. |
| 18 '16 '' | 18 \ 3 | 104, cub. ft. |
| 18 '16 '' | 18 \ 3 | 104, cub. ft. |
| 19 '17 '' | 19 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \ 3 | 10 \
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UNION FOUNDRY

Union Street, - - - Carleton. Warercoms, Water Street,

ST. JOHN, N. B.

Allan Brothers

(Late of Harris & Allen)

MANUFACTURERS OF ALL KINDS OF

Steam Engines

AND

MILL MACHINERY.

Ships Windlasses, Iron Capstans

and Shipe CASTINGS of all kinds.

Ships Cambooses & Jabin Stoves

STOVES,

Shop, Office and Parlor Stoves, and Franklins.

Agriculural Implemens.

BRASS CASTINGS.

Tin, Sheet Iron and Copper Ware for SHIP and 122-1y HOUSE use.



A. MORNIANI ELECTRICIAN,

4 QUEEN STREET EAST, TORONTO, ONTARIO.

Trusses for HERNIA, Rupture,

Stock, and fitted to the Body at Reasonable Prices.

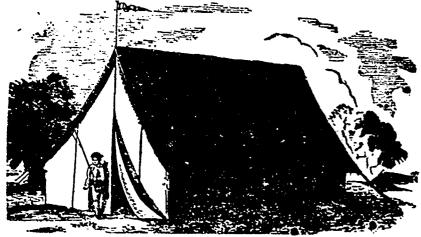
BATTERIES FOR BATHS,

Of Special Sizes, made to order, both for Public and Private Use; and FARADIC BATTERIES always on hand. PRICES LOW.



National Manufacturing Company

202 SPARKS STREET, OTTAWA.



of Tents for Lumbermen, Sportsmen, Camp Meetings, Photographers, Lawn and ary Encampments, with or without extra roofs, all sizes and styles, white or fancy striped, ow proof or plain. Prices from St, upwards, Flags of all descriptions, (regulation sixes) minds of the best of silk-finish buniting. CAMP in the best best ever invented; size whom folded 2 x 6 in.; 3 feet long, weighing only 11 pounds, but strong enough to bear the weight of any man. Water roof wagon and horse-covers, tarpaulins sheets, coats and leggings of every description made to order on the premises.

NATIONAL MANUPACTURINGSCO.,

202 Sparks Street, Ottawa

The Best Axes in the World!



Warranted Good or Exchanged



And Burrell's, Warnock's, and Dundas Axes, made specially for the Lumber Trade, repacked any weights without extra charge. Lindsay Pattern of Broad and Blocking Axes. LANCE TOOTH SAWS, warranted good. P. Jewill & Sons (Hartford, Conn.) LEATHER BELTING. 2d OUT FILES. LATE YARN. Mill and Shanty Hardwars. No. 1 LARD OIL. Heavy HAMES, BUCKLES and HARNESS TRIMMINGS. Ballard and other RIFLES, from \$10 each. Large assortment of CARTRIDGES.

Fire-Engine GEORGE STETHEM, Peterborough, Ont.

Importer, Jobber and Retail Dealer in Hardware.

Wrought Iron Shanty Cook Stoves

The Best Article ever offered to the Trade.

I have much pleasure in drawing attention to my WROUGHT IRON COOKING STOVE. for Shanty, Hotel and Boarding House use. These Stoves are made of Heavy Sheet Iron, the top and lining of the fire-box being of Heavy Cast Metal and all the connecting parts of substantial Wrought Iron Work. The dimensions of these Stores are as follows:-

SINGLE OVEN STOVE

Top surface contains six 10-inch holes, with ample room between, and one oven 18 x 21 x 26.

DOUBLE OVEN STOVE

The Double Oven has a top surface containing twelve 10-inch pot holes, with two ovens, each 18 x 24 x 26. One fire-box of suitable size for area to be heated. Below will be found Testimoniats from some of the leading Lumbermen, who have used my Wrought Iron Cook Stoves since I ommenced manufacturing them. They are the names of gentlemen who are well known and eliable, and will carry more weight than any recommendation of my own could do.

The Best Steve I have ever Used.

PRINCEOROUGH, May 31, 1880. ADAM Hatt, Esq., Peterborough. Dear Sir.—I have used your Wrought Iron Cooking Stove in our lumboring operations since its introduction here, and have no hesitation in saying that I prefer it to any other. For durability, economy and efficiency, where a large number of men are employed, it is the best stove I have ever used. You can, with confidence, offer it to hotels, boarding houses and lumbermen.

Yours truly, THOS. GEO. HAZLITT. The Steve for Lumbermen, Paramonous, June 1st, 1880.

Aban Hall, Esq., Peterborough. My Dear Sir,—We have used your Wrought Iron Cooking Store and find it is very satisfactory for lumber operations, especially so on drives. We can recommend it highly.

Yours truly, IRWIN & BOYD,

Gives the Greatest Satisfaction.

Paramonovou, June 3rd, 1880.

A. Hall, Peterborough. Dear Sir, -- I have had the Wrought Iron Cook Stove, purchased from you, in constant use ever since hat fall, and it gives the greatest satisfaction in every respect. I can recommend them highly to any one who is in the lumber business.

Very truly yours, GEO. HILLIARD, M.P.

EVERY STOVE GUARANTEED

All the necessary TINWARE and CUTLERY for Shanties supplied at the Lowest Prices.

ADAM HALL, Peterborough.

HART EMERY WHEEL COMPANY, Limited

HAMILTON, CANADA.

GILBERT HART, Detroit,

JAMES T. BARNARD, Hamilton, Secretary-Treasurer. SAMUEL BRIGGS, Hamilton, Superintendent.

MANUFACTURERS OF CELEBRATED

DETENE

EMERY and CORUNDUM WHEELS

These Wheels a

and the state of t



And Specially Adapted For Saw Gumming

to in smill one object the Neither Animal nor Vegetable Glue or Gum being used in their composition, they are NOT LIABLE TO HEAT, and give out no Odors, while

They Surpass All Other Wheels for Free Cutting and Durability.

We refer to the following well known Saw Manufacturers for Opinions as to the Quality of our Wheels:

Messrs. SHURLEY & DIETRICH,

Messrs. R. H. SMITH & CO., ST. CATHARINES."

Messrs. JAMES ROBERTSON & CO., TORONTO.

WE ALSO REFER TO

WILLIAM HAMILTON, ESO,

PETERBOROUGH, Manufacturer of the Covell Baw Sharpeners. Messrs. H. B. RATHBUN & SON, DESERONTO, Lumber Merchants,

lytil

engineers and founders,

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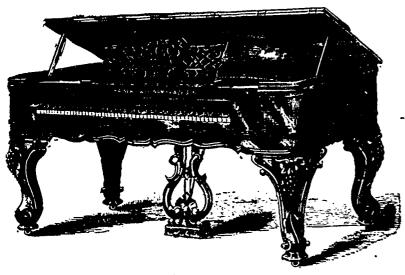
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Best Cast Steel, Warranted.

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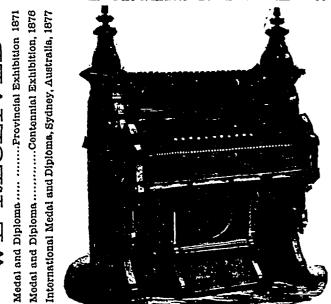
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The Bell Organs have just received the HIGHEST AWARD and SPECIAL PRIZE (Gold Medal) at the International Exhibition, Sydney, Australia, this year for their Organs over all the English and American makers. This, along with the unlimited awards, prove that

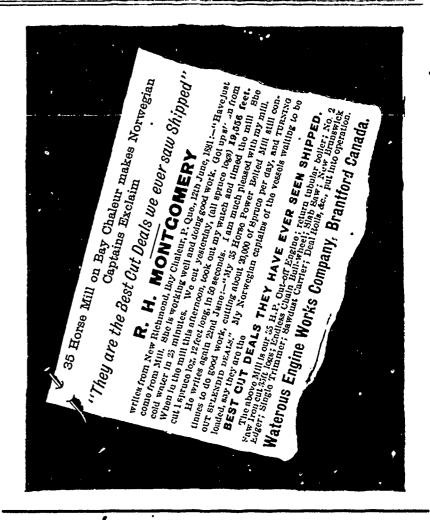
BELL ORGANS LEAD THE WORLD.



Only Medal for Parlor Organ, Industrial Exhibition, Model for Parlor Organ, Provincial は田の田

The Bell Organ Manufactory is the Largest and Oldest in the British Empire, and the fact that the have sold nearly 15,000 proves that they are the best in the market. We GUARANTEE ALL OUR ORGANS for five years. Correspondence invited. Illustrated Catologue mailed free.

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At LOWEST Mill Price, at

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Send Sample Order for our LINED SHAPED HORSE RUG, a Specialty, highly recommended for

EMERY WHEELS FOR SAW GUMMING!



Solid Emery Wheels are now almost in universal use for the purpose of guiletting and gamming saws. Statistics show from Solid Emery Wheels are now almost in universaline for the purpose of guiletting and guinning saws. Statistics show from 25,000 saw-mills in the United States. Many of these run only a single saw each. A one-saw mill would use one or two wheels a year, costing 53 to 51 each, and when such small mills order sough Lintery. Wheels from the factory, the express charges often equal the cost of the wheel. There was a time when the quality of Lintery. Wheels was a uncertain, and the domand so fickle, that storekeepers could not milited to carry them in sweek. Now, however, Saw Gumining Wheels have become as staple no article as Files, and every dealer in saws, flordware and Mill Supplies can afford to carry a few dozen etandard sizes in stock, large dealers order stocks of \$500 to \$750 worth at a time. Faw Gumining Wheels are used with the edge (or face) square, round or bevoled. Probably seven-eights of all in use are bevoled.

The principal sizes are:

Probably more wheels 12xi, 12xi and 12xi are used than all the other sizes together. Saw Gumming Wheels are used. however, of all sizes up to 21x1). The most frequent complaint is that Enery Wheels harden the new so that a file won't touch it. The masser is that you don't want a file to touch it. An expert workman will shape and sharpen the teeth with an Emery Wheel, leaving the teeth case hardened, in which condition the saw will cut about 33; per cent, more lumber than a soft saw will. Those who want to use the file, however, have only to touch the saw lightly a second time (after going all over it once), and this second touch will cut through the case-hardened scale.

A QUESTION OF QUALITY.

Thirteen years of experience as mal ors of, dealers in, and actual titers of Fracry Wheels, have led us to a decided opinion as to what quality is the best. We prefer for almost every use an "Extra Soft" wheel like the 'Pocono.' We believe that money lost through the mpld wear of the whicel is more than made up by the money saved on wages. As we cannot get every one to adopt our views, we make several qualities, so as to meet their views. We say to those who think they can only be satisfied with some other make of wheels (not Tanite), that we can furnish qualities to match any and every other make. If you have get used to some special quality of wheel, let us know what it is, and we can send you a Tanite Wheel of similar quality. Our regular classification of Saw Gumming Wheels is as follows:

CLASS 2. MEDIUM-HABD,-This Wheel is THE STANDARD Saw Gumming Wheel all over the world. Probably seven-eighths of all the Saw Gumming Wheels used are "Class 2. It cuts fast and keeps its shape well. Some think it too hard, some too soft. We prefer the "Pocono."

CLASS 3. MEDIUM-SOFT.-The same as to coarseness and flucuess as "Class 2," but a softer, and therefor freer cutting wheel.

CLASS "POCONO." EXTRA SOFT.—This Wheel we prefer to all others. It is both finer in grain and refer than either of the above. As a Sew Gumming Wheel, Class "Pocono" is specially suited to those practical and experienced Sawyers who know how to grind with a light touch, and who wants free cutting wheel that will not create much heat.

Illustrated Circulars and Catalugue, showing Cuts of Saw Gumming Machines, and Shapes, Sizes and Prices of Wheels, sent free on application

The Tanite Co. Stroudsburg, Monroe Co. Pennsylvania

CANADIAN TRADE SPECIALLY SOLICITED.

M. Covel's Latest Improved Automatic Saw Sharpener!

Is the Most Perfect Machine that has ever been Introduced into Mills for that purpose.

CIRCULAR SAW STEAM FEED! I would also call special attention to my

Heavy Circular Saw Mills

and for STEAM MILLS, would recommend the Brain Feed, having put inseveral which are giving the best of sat isfaction, as will be seen by the following testimonials:-

GRAVENHURST, August 20th, 1880.

GRAVENHURST, August 20th, 1880.

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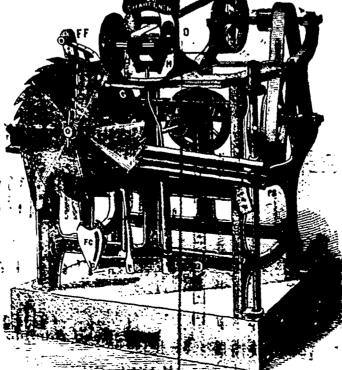
Dain firm—I have used your fitting freed for sens force months, and it may be med your fitting freed for sens force way; it is simpled by overy paison who has somethis work way; it is sampled over invented. Shue'd I pait then my mill. I have not lost ten minutes time fixing anything belonging to it. I can cut 18 boards 13 ft. long in one minute it can do much smoother and better work than the phinute feed. It is easily governed and reverses the carriages instabily. I am thoroughly satisfied with it and can recommend it to any person who has a Circular Paw Mill for cutting long or what logs. I consider I have cut more lumber than with pay for the Steam Feed since I got it your respectfully,

Yours respectfully,
WILLIAM TAIT,
Lumberman, Gravenhurst.

th the Toronto, August 11th, 1800.

DRAB SIR-The Steam Feed you put in is working spien didly.

121111 THOMBONIS AVILLY & SOM



sizes of Gang or Circular Mills, Span or Double Circulars for Blabling Small Logs. My Patent Jack Chain for drawing logs into Saw Mills, acknowledged by all to be the Cheaper, and best ever got up; also, my Patent Lumber Markers, different sizes of Edgers, Gang Lath Mills, Trimmers, Power Gummers, and all Machinery used in a fini class Gang or Circular Saw Mill; also, small Hand Gummers for use in the woods, for Cross-cut Saws. Rotary Pumps of different sizes, for Fire Protection in Mills, &c.

Horizontal Engines and Boilers



Where economy of the its the great consideration, along with uniformity of speed, such as is required in Grist and Flouring Mills. Wohler said Coulon Factories, or large Factories of any kind, I supply the Corlies Engine. I red justified it is a just that our Bayle, Workmanship and Finish out this Lague. This is the control of the country for contomy of the latter than squalled in this country for contomy of the latter than squalled in this country for contomy of the country for th I have them working at 21 younds of coal per horse-power

PETERBOROU