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## THE CANADA LUMBERMAN.



## loss from careless handling and piling

 of Lumber.
## wi A. b. Wrtzell.

PERHAPS there is no leaknge in the profits of the manufacturer or consumer of lumber so little noticed, as that whicla results from the careless piling and handling of lumber. This leakage is a silent and insidious enemy. Unless one be constantly on the guard, it finds its way into various places about the mill and yard where it can do danage. Only the most vigilant eye, the most watchful care, will keep it away: Most of its effective work is about the premises of the man of careless habits. The methodical, systematic and thorough business man will not harbor this enemy on his premises.
There are some men who seem to be naturally neat, precise, careful and nethodical in their business affairs and daily lif. Others are the opposite. The fieedom of outdoor life and the nature of the business of the lumberman, tends to break down and keep awny rigid rules and observances such as characterize other kinds of business. The average lumberman is free, open. hearted, and does not cultivate nor realize the value of small things. Herein lies the danger of waste in his busmess-the enemy that is insidoously sippine away at his profits.

When one goes into a lumber yard and sees every pile of lumber put up as if following out geometrical rules, o:ie may be safe in assuming that the owner is in a prosperous condition, or travelling in the right road to reach it. He has certain rules wheh must be observed, and which usually show that the details have been looked into. There miss possibly be such a thing as being ton exacing, too precise, spending too much time for appearance sake, but as a rule it doesn't take any lorger to pile lumber well than to pile it badly.
On the other hand if one will go into a lumber yard about a saw mill, planing mill, wholesale or retal yard, ot any establishment where lumber is worked up, and sees lumber lying carelessly around, a board or plank here and there out of place, some split, others warped and twisted, others badly weather-stained, it is sufficient evidence that the owner is carcless and is not making as much money as he should.
Wide lumber, especially thin stuff, requires careful handling to avoid splitting. Take an inch board 12 ft . long, 18 inches wide; it contains 18 ft . ot lumber, board measure. If $t$ be of a grade worth $\$ 30$ per thousand, the piece is worth 54 cents. By careless hanaling it may be split, either at one or both ends. That will reduce its grade and shipping value at least $\$$ to per thousand, or one-third its value. Here is a loss of 18 cents on that one piece. If a piece be split off diagonally on one end or side, causing a loss of say three feet or one-sixth, the grade will be reduced at least one-half in value. Then there would be but 15 ft . to sell, or use, and it would bring $221 / 2$ cents, or a loss of 63 per cent. Now if this kind of work stopped at this one piece, the loss would not be great, but the probabilties are that there will be many such pieces during the course of one day only, more than enough lost to have paid the wages of several workinen who handled the lumber.
In going into a lumber yard, nothing looks more unattractive than to see a board here, a plank there, out of place, thrown about like piles of rubbish, wagons or carts, or cars running over them; some split, others warped and twisted, some danaged from sun, rain, or other causes : in fact a loss of several per cent. of leak. age, which might have been a profit in the business if properly managed.

## LUMBERING IN BRITISH COLUMBIA.

$A^{N}$N OTIAWA gentieman who has been inspecting the lumber resources of Britush Columbia writes to a friend in Ontario as follows, regarding the products of the forest of his adopted home: "Fir is the staple wood of the country, next comes cedar, then spruce, alder, sot maple, cotton, yew; etc. Uur market for fir is China, Japan, cast and west coast of South America, Inda, South Africa, but proncipally Australia, and a few cargoes to the Sandwich islands. The latter country has a treaty with the Unted States which admits American woods free, while others have a duty.

We have not yet sawn any for export, but expect to saw a few cargoes during the summer. So far the local and northwest markets have kept us going, but we will have to look for a foreign outict for part of our production owing to the increased capacity of our new mill. Last season we cut with the old mill 3,000,000 feet and $6,000,000$ with the new. I think we will cut about $20,000,000$ this season. The mills here usually cut about reven months in the year. We have a sash and door factory in connection with our mill and will likely make 100,000 salmon cases this season. Milling is quite different here from Ottawa. There the average of the logs is 100 . fect, while here it is 1,200 feet, and 1 assure you, it requires strong machinery to break up these big logs. The largest log we have cut since 1 came here was 72 inches in diameter, and the longest 85 feet. The largest log that ever came to our mill was 5t inches in diameter and 115 feet loug, this was perfectly straight and without a knot or blemish for 100 fect up, in fact there was only one green limb on the log, and strange as it may scem, was put into the water by two men. The largest logs are put in by hand loggers, two of whom make a camp. They cut trees where the ground slants to the water and by batking tiem and raising them "ith jack sciews, get them started and they roll into the water, nothing will stop them When once they start. The quantity and size of cedar is surprising, and all sash and doors are made from that wood. The doors are all free from knots and blemishes. Our shingles which are cedar are the same. We make only first quality, and they are first quality running up to $t+$ inches wide, or as large as the machine "ill cut. Labor is high. Ordinary labor is $\$ 1.50$ to $\$ 2.00$ per day, and skilled $\$ 2.50$ to $\$ 3.50$, and we pay our head sawyer $\$ 4.00$, the man that runs our gang $\$ 3.50$, our edger man $\$ 2 . j 0$, filers get $\$ 3.00$ to $\$ 4.00$ and ten hours is a day. The fishing on the river, or rather salmon canning, is a large industry, and the Indians who do most of the fishing spend all their money here. About all the farming land on the coast is on the Fraser, the quantity is limited, and good lands bring $\$ 50,000$ to $\$ 200,000$ per acre, according to quality and location, $\$ 100,000$ being paid for farming lands partly improved. Four tons of hay and too bushels of oats per acre is not considered a remarkable crop here, it is the producing qualities of the land that gite it value as well as the scarcity on the lower Fraser. There is good land at Kamloops, Shuswap, the Okanorgen Valley, etc., etc., but those places are only accessible by railway, and of course the railway gets most of the profits. The bunch grass of British Columbia is said to produce the sweetest beef in the world. It is usually about the same price as in Ottawa, and of excellent quality. Our flour mosti; comes from the northwest and Manitoba. Every person in this country has money, and is not afraid to spend it. W'e have no beggars and no poor. Our store did a business of $\$ 35,000$ last year, and our mill, shingle mill and factory about $\$ 165, \infty$, , and $\$ 100$ corered our losses by bad and doubtiul debis."

## COLLINS AND THE BEAR.

DATRICK COLLINS is the forman of a wood-cutting camp on the Scott Road, B. C., and though he has had some experience in the management and culture of domestic animals, never until a few days since did he feel competent to shoulder the responsibility of running a menagere and keeping the nild beasts in hand smimly by the use of soft and persuasive language. He had strolled into the bush by himself to meditate and pick out'a nice clump of timber for the woodman's axe. A huge fallen tree obstructed his path, and, as he clumbed up at one end of it, a gigantic bear, weighing at least 1,000 lbs., made its appearance at the other. B th came to an upright position at the same time: Collins stood perfectly still, and the bear advanced three paces and stopped. The man and the bear eyed each other rather suspiciously for a few moments; what brun's thoughts were will never be learned, but Collins says he had never been so terribly affected since the last illness of his mother-in-law, when it was very doubtful whether she would pull through. Coming to the conclusion that something must be done, Collins made up his mind to trust to a little Irish blarney, and
the following chaff is reported by Mr. Collins himself. "Shure now, its a foime ligg we're on, an' there's enough for ourselves and sweral more. Its pleasant w.iking in the woods on Sunday, espectally whin we mate in this agrecable way; quite friendly isn't it?" The bear gave a grunt and moved forward a pace as if to embräce P'at and prove inis friendship, at least. "Hould on now, hould on," said Collins, "much as I admire ye. its better to kape our distance till we've come to an understanding. Sure you're a fome agreeable looking crnythure, and if you'll say 'peace,' begob l'll ratify the bargain and lave you alone, but if you say 'war,' why l'll climb a spalpeen of a tree and shout till Isill comes wid his gun and kills ye. D'ye moind that now, ye divil?" The bear took a look to the ryght and left as if expectung the formudable lill and hus gun to break in on the conversation at any moment ; and sure enough William's melodious voice was heard, about half a mite away, chanting a ditty about "The woodchuck climbed the big hemlock tree." "Now thin, listen to that will ye," said Collins, "and whisper, acushla, lave the log instantly; for if Bill gets sight of ye, ye're hide wouldn't hould enough fur to kape je're skin from the musquetes." Whether it was this dire prediction, or the remembrance of business matters elsewhere, can only be conjectured, but in an instant bruin turned, shot of the $\log$ and sailed away through the bush as if a hundred fiends were after hin. Collins also turned and made as rapid progress in the opposite direction, nor did he stop until he was safe under the protection of William's deadshot gun.

## TO SAW TOUGH TIMBER.

A L. tough timber, when the logs are being saved in. to lumber of any kind, whether scanting, boards or planks, will spring badly when a log is sawed to the usual manner, by commencing on one side and working toward the other. In order to avoid this it is only necessary to saw off a sliab or plank alternately, from each side, finishing in the middle of the log. Wc will suppose, for example, that a log of tough timber is to be sawed into scantling of uniform size. Let the sawing be done by working from one side of the log to the other, anc he end of the scantling will be of the desired size, while at the middle some of them will measure one inch broader than at the.ends. After the log has been spotted, sall off a slab from one side; then move the $\log$ over and cut a similar slab from the opposite side. Let calculations be made before the second is cut off, so that there will be just so many cuts-no more, no less, allowing for the kerf of every cut. If the log is to be cut into three-inch scantling, for example, saw a three-inch plank from each side untul there is a piece six and a quarter inches thick left in the middle. The kerf of the saw will remove about one-fourti of an inch. IV... n a timber-log is sawed in this way, the cuts will be of uniform thickness from end to end. Now turn the log down and saw the cuts the other way in the same manner, and the scantling will not only be straight, but of a uniorm size from one end to the other, if the saw be started correctly.

## A RAILROAD ON TREE TOPS.

T may not be known outside of the neighborhood in which it is situated, but it is nevertheless a fact that in Sonoma county; Cal., there exists an original and successful piece of railroad engineéring and building that is not to be found in the books.' In the upper part of the county named, near the coast, may be seen an actual railroad bed on the tree tops. Between the Clip. per Mills and Stuart Point, where the road crosses a deep $r$.ine, the trees are sawed off on a level with the surrounding hills, and the timbers and ties laid on the stumps. In the centre of the ravine mentioned two huge red wood trees, standing side by stde form a substantial support. These giants have been lopped off seventy-five fect above the bed of the creck. This natural bridge is considered one of the wonders of the Golden State and for safety and security far exceeds a bridge framed in the most scientific manner.

It is somewhat singular that lumbermen and loggers never talk about forests. Plain woods is enough for
them.

## SIR JOHN A. MACDONALD.

THE dead cheftan! 1 So much has been writen aud sadd of Sir John A. Macdomild, since lie was stricken with paralysis on 29ilh of May, resulung in death on Saturday, Gth june, that it seems almost a work of supererogation to add another line. And yet, where is the individual or institution, that does not desire, though it may be in the humblest fashion and fewest words, to pay a last tribute to the dead Premer?
Politics are nowhere at the grave of one, who labored for his country's wellare, through: a long life time, as dad the deceased statesman. Friend and foe are reads, to extend to him, that well earned praise and commendation, that has been his by adeeds.
John Alexander Macdonald was the second son of Hugh Mactonald, a Highland Scotsman, a natue of Sutherlandshure anid his wife Helen Shan, of Badenock, Invernesshire, who removed to Clasgow in early life, where their son, the future Canadian Prame Mliniste, was born, on Ith lan., 1815 .

In 1820 the father removed to Canada and settled at Kingston, Ontario. In four jears he lef Kingston for Adolphustown, on the Bay of Quinte, where he leased a sail and grist mill a short distance from the settlement The sun John remaned in Kingston allendin. the Grammar school. In 1836 the fathes returned to Kingston and engraged in busi ness Whell sititeen jears of age John lett schoul and entered the lats office of M , Cieorge Mackenze, and at 21 he was nil mited to the bat and commenced the practice of law in Kingston.

In his young dias he touk a lisely interes: in polticsp, and at the seneral electuon of $18 .+4$ he offered hmself as candudate for Kingston in the Cunsernative interests. The Limestone City was at that tume the seat of government He was elected over hiv opponent by a large majority, and ontinueit to represent that place for $3+$ rears aftet wards and then, after an interial of ikith years, for five years more
We shall make no attempt to trace the wareer of this foremust parliamentatian through these many years extending il most to half a century. With them is "ritten the bistory of Canada, and the senet al facts are krown to Canadians sowng, and wh. He scurcd mans wunderful suchesses, he had lits reverses He died, as he had desired, prarticalls in harness amit is he wh of the soiernment whose de-tines he hat controlled and shaped duriun a peeiod of yeara granted io few men
of his strong sorial nature cicr, one knows an element that stood him in ${ }^{\prime} \mathrm{rcat}$ stead in many a tioht enrner In his do mestir relations he was singularly happs. and time will never tell how much of his political success and to what extent his jears of life and powers of mental and physical endurance were due to the affectionate care and devotion of Lady Macdonald. He died in his $76 t h$ year, and was buried in his native city Kingston.

## COMING CHANGES.

$\mathrm{N}^{\mathrm{o}}$OT the earth but a good sized piece, is asked for by the new Massey-Harris Co., (Lt'd.,) whose application for letters patent of incorporatien are pubhshed in a late number of the Canada Gazeltc. Hitherto these concerns hate confined their efforts principally to the manufacture of agncultural implements of var!ous kinds, and on probably a more extensive scale than by any other company in the Dominion. The new combination docs not intend to confine ats energies to ally pent-up Utica. They ask ieave to do all they have been doing and in addition to have powers to manufacture waggons, velicles, household furniture, stoves and hardware goods; to deal in iron, steel, nickel, rope, cordage, twinc, oakuns, etc.; to carry on a printing, publishing and advertising business and to act as general traders, with power to amalgamate or absorb other enterprises.

The request ends here, so far as details are concerned. though the application in some particulars. for example. "to net as general traders," is broad enough to admit of almost any class of mercantile transactions In last mon'h's Miller we expressed ourselves somewhat fully on the question of combines. We had not before us at that writing the particulars given above. These em. phasize, in still stronger terms, the thought there expressed, that the whole tendenct of modern tading is towards a consolidation of kindred interests in one greater interest. But the movement goes beyond this. It is suggestive of the question : should a manufacturer be a manufacturer only? Or why should a dry hoods merchant sell silks aud cotrons and kindred goods and stop there? Why not extend the list to foot wear. gnoceries fancy goods, and if you like, butcher's meat?

Everyone is aware that trating to day is takng thes shape. We have dry good stores it this city that sell almost everyihing else that comes undes the head oi store keeping. The bazaar store, which is the general term for these places of trading. is a factor in all our


The Late Rt. Hon. sik John A. Macuonaid. cities, and their intuence is seriously felt by the business men in the outside communties. The chertp fares that are ever and anon oriered by our ralway companies, combined whb the perfectness of our postal and
 of the harger town to the shopper, eien in the remute sections of the country.
Now we have a freat manufacturins concern going into store-keping, at least anking the privilege tu do ou, and the valulalins prese of the perition that the) shall hase puncer "to allmitb-thate nad absurt other enterprises" is most subsestive. die we approath. ing the age of Bellam! or are ne getting allay from it? We are andoubte-lly on the cie of important chatises, both in the commerwial and sucoll world. The cluant days of the nincteenth century are frelighted wath many wonierful thoughts and wosement, bearing' in this direction.
This article is simpl! suggestanc. What dhought have you on the question dear reader? We shall be glad to aiear from you.-Camadiath Afiller.


There is a natural law relating to belting which is not generally known, but which is nevertheless oi value $m$ practice. The hug or athesion of a belt is as the square of the number of degrees whirh it eoners on the pulley: For example, a belt that covers tuo thitds of the circumference of a pulley requires four tumes the power to make it slip as it does when it covers only one-thurd of the same pulley.

Take one ounce of camphor, dissolve st in one pound of metal lard ; remore the scumand max as much fine black lead as will sive it iron color. Clean the machinerv and smear it with this mixture. dfertwenty: four hours, rub cleath with soft linen eloth. It is stated that this muxture will keep mithinery clean for months under ordmary circumstances.

The soaps used for cleaning metal woik usully consist of mixtures of sasalme, olesc acid a di fat, mined with a small guantity of roug. When freshIv prepared they leave nothing in be desired, but, unfortunately, such maxtures soon turn rancul, and become unfit for use. A new sonp for metal work, "hach is stited to be free from this objection, is maile from cocuanut butter ins the follnu ng: "A. $2 ;$ kiln. grams of the butter are melted in an iron uensel, together with a hate water, and to the masture is celded, "ith constant stirring,
 875 grammes of creann of tartar, and 87.5 grammes of white lead. This mixture is then poured into moulds and allowed to solidify. The soab so obtamed is made moto a paste with antco and rubbied wer the metal "on be I lemed, anil finall! remused by a dry ras or chamois leather
 "onderfull in sainins "ats $A$ French wher recommends the use of sawdust in place of the har usualle mined momortar He made a compositum of tilo parts saw
 rement, "hinh he lllege in ery firm and will not peal off the Terhinical Royal school at Charlottenhurg has been making a series of eaperments with sawdust, and has nut proved that "ran be used as huildink motering The aswlast is mused witla certina refuse maneral products. and compressed with a pressure of $1,500,000$


 mpervats in wet orf noterle unimflan mable. A slab of this substance was placed for tive hours in a wod fre and cane out of the sest intat

Oak tumber loses about one-fifth of us werght in ordatary seasoning, and, about une thatd of ats "ephti in becurning pertectly dr)
It is found that by arating layers of hair felt under the foundathoms of steata corsines and dyamos, notse and vilmations are materially deadened.
The use of rope transmission, says an exchange, is becoming more common every day and will continue so, but at such a contmatly increased rate that it is advisable for all enginecrs to become as thoroughls famuliar with the use and care of ropes as they are now with belts. When a belt breaks or requires taking up, the job is usually performed by a simple process of lacing or connecting with sume hitud of belt houh made espectially for the purpose, but wherc sopes are used, there is no patent fastener yet not the market by which the job of connecting them can be simplified. The task of splicing a rope is not more difficult than that of lacing a belt.

The uld story for wat of the nat the shoe was lost, pror want of the shoe the horse wa, lost," is parallected in the case of the oil rup, savs Roleri Grimslaw A poor cup can do much to rum an engme or machine ; a good one, much towards bringing it up to the highest standard of diut. In thos anatict do not try experments rashly fou may try one cup doanot anuther, il sume plare where heating will not doln serinus dammage ; but don't fit out all the way through with any untried cup. no matter what is promised for it. If the new cup is better than the old one, it may pay you to take off the old ones and put on new ones. If it is not better, there will be no adrantage to yout io tre the new ones. It never pays to take a rish, however slight, unless you are
patd to take it.

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Especial pains are taken to secure the latest and most trustworthy market quotatuons from various points throughoul the worlh, so as to affiral to the traile in Canala information upon which it can rely in its operations.

Specinal corre:pondents in localities of importance present an accurate repront not onls of prices and the cuncition of the market, but also of other matters specially interesting to our seaders. But correspondence is not only welcome, but is incited from all who have any information to communicate or sul). jects to discuss relating to the trade or in any way effecting it. Even when we may nut lie able to agree with the writert, Even when we may nut he able to agree with the writeri,
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portance individually, hey cunaluate to a fund of inhmation fortance individually, they coln. abute to a
rom which general results are olntainect.
Adsertisers will receive careful antention and liberal treat. ment. We need not point out that for many the Casadd Lusurpmas, with its special class of readers, is not only an exceptionally gool medium for secuting publicity hut is indis. pensable for those wiso would loring themselves lefure the notice of that elass Spectal attention :s directed to "Wasted" and "For Sale:" advertisments, which will be inserted in a conspicious position at the uniform price of 15 cents per line for each insertion announcements of this chanacter will be sub. ject to a discount of 25 per cent, if ordered for three successive issues or longer.
Subseribers will find the small anount they pay for the Cansada lumbramas: quite insigniticant as compared with its value to them There is not an individual in the trade or specially interested in it, who should not be on our lis?, thus ohtaining the present benefit and aiding and encouraging us to render it even more complete.

## TRADE-RETROSPECTIVE AND PROSPECTIVE.

THE general managers of the Bank of Montreal, the Merchants Bank of Canada, and the Canadian Bank of Commerce, the three largest monetary institutions in the country, have each given to the public, the usually carefully considered address, that accompanies the annual financial statement of their respective institutions. No more able resume of the commercial conditions of the entire Dominion, and, to some extent, a iorecast of the future, can be found than that furnished in the annual utterances of these gentlemen.
It is perhaps not aluays wise for business men to accept the apse dia it of any une person, as a safe guide for the conduct oi therr individual business, but the op portunties, of the heads of these large monetary concerns, to guage the conditions of business at all pomis, both in our own Dominion and neighboting countries and across the sea, and from this data to prepare a careful d:agnosis of the enture stivation, is so exceptional, that we may take their utterances as exceptional too, and carcfully con and study them.

The address of the chef officer of the Bank of Mon. treal was taken up largely in answering the criticism of shatreholders, caused by the reduction of profits, during the last half year, to $13 / 2$ per cent., where $51 / 2$ per cent. had been the usual alerage for a sin months' period. His reply, we beheve, was satusfactory to those directly intelested, while the report of affiairs generally showed the bank to be in a thoroughly healthy condition. It was a case of a new manager, who felt it to be his duty and the wise course for the Bank, at the outset of entering office, to sharply scrutume all assets and make provision for possible losses, that had hitherto
been counted as more substantial properties. We want no better evirence, however, of the ensitive nature of commerce, than the flutter of excitement that was created, when the bank statement was first issued, and before the manager's explanations had been made. A strong pronuncianerto is made for the enactment of legislation by wheh insolvent estates can be more equmably divided than is the case at present. It is worthy of note that the Merchants' manager presses the same mater upon the commercial public.
The general manager of the Commerce referred with pleasure to the increase in deposits, whech in his bank had now reached the handsome figure. of fifteen millions, and which showed a permanent gain during the last five years of about five million collars. The failure of the Barings is made the subject of comment both by Mr. Walkerand Mr. Hague, the formerquoting the remark of a witty statesman, who classed this banking finn some years back, along with the five leading nations, as the sixth xreat power of the world. Mr. Hague makes the occasion one for readine the mercantile world, and bankers as well, a common sense lesson on the evils of over-trading. Men go into business without any capital and the outcome is purely speculative wth the odds terribly against them ; retailers strike out as wholesalers, with insufficient capital, and too often the end is only disaster ; and wholesalers, with a moderate capital, become ambittous to extend their borders, and get beyond their depth. A house worth eren a million, may over trade as well as any other, and "this affair of the Baring's," says Mr..Hague, "is a terrible lesson in this direction."
The special reference by the Commerce and Merchants managers to the lumber industries, we print in full in another column. The former points out that "there is still in sight more timber than the total product of any year since 1881 , although the amount made in the past year is only about one-fifth of that for 1889.90 ," and his argument is that the business can only be brought up to a healthy condition by manufacturing very little for another year. And the Merchants manager expresses the same thought in the sentence: "The lumber trade is gradually recovering itself through a heary decrease in productions."

Deposits in the Merchants have increased considerably. The total carnings, while equal to the average of recent years, have been affected in a measure through the necessity of taking from them a larger amount than usual to provide against losses and depreciations.
Mr. Hague does not consider that his bank has been sufficiently remunerated for much of the business that has been done, and attributes this to the severe competition which has shown itself in banking, as well as in other branches of trade. "Many mercantile failures in this country;" he says, have arisen from borrowing too freely," adding the sage remark, "I have never known any one to fail in Canada because he borrowed too lizte."
The present condition of business in the Dominion is pronounced prosperous in some relations and the reverse in others. In British Columbia and the Naritime Provinces business is reported to be in a flourishing condition, but this much cannot be s.ud of Ontario or Quebec. The practice in Canada of both retailers and "holesalers giving long credits, is deprecated in vigorous language and sensible logic.

Time alone will reveal the real efiec:s of the McKinley tarifi. No pessimistic view is taken of the situation, for we are cheerily told that if one market closes another will be opened.
What of the future? These bank managers wisely refrain from embarking as market prophets, considering the occupation as uncertain as that of weather prophets. But the foliowing closing words from the address of the veteran manager of the Merchants' will surely inspire hope and give courage to every true Canadian heart :
"As men are concerned just now about the position of the country, I may say that it is 35 years since 1 first entered a Canadian bank:. Thirty-five years is not a long time in the history of a country, but during this short period I have scen the deposits of Canada grow
from fifteen millinns to two hundred and twenty millions. This fact speaks volunes. In view of such a result in so short a dime, one would be pessimistic, indeed, to have and denbes nbout the future."

## LUMBER ON CREDIT.

Ir is only giving expression to a common place aphoism to say, that credit is an absolute essential to present day business. The commonwealth exists cominercially as a result of credit. The Budget speech, of every Finance Mmister, tells the story of borrowing to meet the requinements of government. Nor is this condition applicable to the older communitics alone. Their credit, it may be; stands higher than the newer countries, and thes may have occasion to exercise it less. They all do business on it. And just so soon as this credit becomes impaired, as much in the case of governments as individuats, as witness Portugal and the Argentine Republir to $\cdot l$ lay, then follows disaster, and possibly bankruptcy
This line of reasoning might be followed out, from the commonwealth down to the sinallest huckster who paces our streets or tramps our country roads. It is obrious to everyone. Credit is sood and necessary ; but its abuse, like that of every good thing is bad; and it is abused badly in this age. Every trade can make iss own application There are no exceptions, not even in the field of banking, as is pointed out elsewhere on this page.

Our reference is more directly to the lumber tradcs, and to our own country. In the Elt page in last month's Lumberman, the opinions of prominent dealers were given. This month Elt has talked with others, and their opinions are recorded. What is the credit given by jobbers to dealers? Never less than three months. The best firms expect it, as well as the weakest, and they will not be satisfied with anything less. The credit does not end here. Renewals are the rule and not the exception. One large firm tells Eli, that their renewals run not less than 40 per cent., and the opinion is expressed that the general average, throughout the trade, is higher than this.
We show elsewhere the small profits at which much lumber is sold, as a result of competition. Add to this the interest on the credit given, and it is hard to figure the margin of profit. be it ever so small, that should be behind every trade transaction.

There would seem to be an aggtavation of the matter that goes beyond anything yet stated. It is only local to Toronto, but this is the more reason, seeing that all partics concerned, buyers and sellers are here, that the remedy should be applied. A jobber receives an order from a local dealer for a certain quantity of lumber. It is sold at closest price, and is shipped direct from the mill to the dealer in the city. Probably the freight is $\$ 25$. Who pays it? The buyer, as is usual in commercial transactions? No! The jobber must pay out in cash the freight, add this disbursement to the customer's invoice, and take a three month's note for the whole. In some cases this will be extended on another three month's or even longer.
We write in the intereste of retailer, even more than jobber, when we say that these conditions are decidedly unhealthy:. Three months time on a product like lumber, which calls for continuous outlay, from the tree in the forest until the manufactured article is turned out, is not safe trading. No such credit is given on lumber sold to American firms. They do not expect 1t. Cash or 30 days at the ourside is the rulc. Who will say that these men are less successlul than our people? The contrary is the case. The long credits kill. "Numbers of our failures," says the manager of the Merchants Bank, "can be traced to it and a good proportion of our bank losses."
The eril cxists. What are you going to do about it ? It does seem to the Lumbermin that the jobbers have the remedy in their own hands. We would nc: say that the men engaged in this trade are so imbued with a spirit of jealousy, one towards the other, that they cannot be got close enough together to reach a conclusion, that would belp each one individually and that would be a boon to the entire lumber trade. And most of all to the men today, who think they cannot exist without 3,6 or 9 months time on their lumber. The very fact, that this time is needed, is the strongest evidence that at the best they are not more than existing.
-The Lomberman suggests a prompt, practical and common sense move on these lines.

## EDITORIAL



The statenent of imports and exports from May ist, 1889, to May 1st, 1890 , and from May 1st, 1890 , to May 1st, 1891, embodied in the refort of the Mimister of Customs and laid before the House at its present session, show the exports of the forest for 1890 to have been $\$ 21,529,828$, and for 1891, $\$ 19,736,193$, a reluction of $\$ 1,793,635$.

The annual consumption of ralroad uc; is placed at 73,000,000, which requites $365,000,000$ cubic feet of raw. material. The opinion generally held by ralload managers that voung wood is more destrable because it is young is erroncous. On the contrary, young wood, which contains a large amount of albuminates, the food of the fungi, is more apt to decay, other thungs being equal. Sound, mature, well grown trees yicld more timber than very young or very old trees. It has been found that hewed ties will last from one to three years longer than sawed, and the explamatuon is gwen that the saned face is more on less rough and collects the water and thus gis es opportunity for fungus growth, while the smoother face of the hewed the sheds the water.
"Tue timber and deal trade with England," says the Monetary Times, "has had its period of reverse too, and the heavy losses made by shippers of last year can now be somewhat fairly estimated. It was in some respects the most disastrous vear which the trade has experienced for a good while back. These disasters were not confined to the trade in Canada, in fact they only reflected the losses which had befallen the trade in the United Kingdom, where some old established and respectable firms have disappeared from the scene alogethet, while others have had to put up with hearily diminished returns on their capital, or no recurn at all, if not a depletion of capital itself. In Canada there has been only one failure of magnitude in the trade; but this failure has entailed considerable losses to the banks with whom the firm did busmess. These losses have largely been confined to exporters. The manufacturers in the interior, whether of deals or tumber, have escaped with litule or no loss. A heavy rurtailment of production is the only remedy for such a state of thungs as arose last year, and this curtalment his already taken place."

A resolution on the part of any branch of trade, to maintain prices, does not necessarily mean a "combine" to raise prices. Unfortunately the abuses of monopolies and combines have been so many, tha: when a body of business men form thenselves into an associatoon, the "cry" is generaily raised that "here's another trust." The case is illustrated just now by the action of the lumber manufacturers of South Georgia, who have recently resolved to unite in an effort to maintain a living price for their product, as against the demoralizing "cutting," that has been prevalent among the trade in that section of the country: Certain members of the trade have refused to join the association, on the ground that the movement is one to prevent legitimate competition. The Cinadi Lumberman is not in position to confirm or refute this statenient, further than the assurance of our esteemed contemporary The Southern Lumberman, that "if it is a combine it is in the defensive sense and not the offensive." We do know that there is an unfortunate disposition in nearly every section of country to cut prices, and that the real interests of many leading departments of business are discouragingly disorganized for this very reason. It is onlv common sense on the part of common sense bustness men to make any effort that will remedr this evil, and if this can be done by organization, who should object?

Is an age when "diamond cut diamond" is the ruling policy of too many engaged in business, and where
one man's disaster is utilized for the gain of some one else, it is pleasing to note the disposition of the people of Winona, Minn., towards Messrs. Schroth \& dimens, sash and door manufacturers of that city. This from were unfortunate enough last month to have their extensive plant destroyed by fire. The total loss was $\$ 00.000$, with an insurance of onl: $\$ 30,000$. How did the fellow citizens cf this firm show their regrets? At once, a voluntary act on their part, they went to work and subscribed $\$ 10,00$ to assist in the work of reluildung. dccompanying the donation was a letter in which are recorded these kindly words: "llhile this is in the form of subscription, we beg leave to assure you that that which particularly and especially intuences this action is the great respeet and friendship entertained for each of you indisidually and the desire to show you the ap. preciation in "hich you are held by your neeghbors. Were it not that business has for some tume been dull the sum would have been made much hogner." We hear more or less of "mans inhumanty to man; here is an evidence of that touch of nature that makes a whole world kin. The firm in question have proml season to be proud of the esteem of then neighbors.

Tue annual report of the Minister of the Interior just issued, shows the amouns collected from tumber dues in British Columbia and the northwest territonics to be langer than those of $18 S_{9}$ by $\$_{25}, 5 ; 8.799^{\circ}$ Uf the revenue from umber, $545,485.09$ was derived from bonuses, ground rents and royalties on timbet cut from lands in the railway belt in Bitish Columbia, being an increase of $\$ 27,4+0.32$ over the previnus year. din interesting statement of the report is that showing the decrease in the ave.age prices of lumber within the several crown agencies cluring the last six years. The crown tiaber agent at Winnipeg reports that fuel is somewhat cheaper than last year, roidwood on the railway car at lWimpeg being 5.25 to 54 a cord for poplar and sprure, respecmely; is is asked for American anthracite coal on car, and $\$ 6.75$ for nawe soft coal. The regulations of September 17,1888, governing the dispostion of tumber in Mantoba and the northwest territories, were, December iS, 1800 , amended, so that licensees have now the option of ether pasing the royalty of 3 per cent. provided for by the regulations on the value of the lumber in the log, or at the period at wheh the lumber, when manufactured, is sold, and if the dues are pald at the former period the royalty is to be on the average price recesced for lumber during the three months next prior to the date upon which the dues are paid. The reason for making this change was, that on British Columbia it was sound improssible for those persons holding licenses for Dominion and provincial lands, to separate the lumber manufactured from tumber cut upon Dominion lands from that manufactured from timber cut on provincial lands. "It was also thought advisable to cancel the provision for a rebate of one-half of the royalty, amounting to about 25 cents a thousand, paid upon timber limits of Canada, and the order-m-council of December is, 1890 , above quoted, repealing section 20 of the regulations of British Columbia provide for a rebate of 25 cents a thousand on timber exported, but that it was considered that the timber on Dominion lands was mure valuable than that on protincial lands, ouing 'o the fact that the towage from the nearest point on the latter to Vanccuver exceeds $6 ;$ cents a thousand, whereas from Dominion lands, it does not average 25 cents a thousand. It will thus be seen that the licenses of tunber berths on Dominion lands, even although not allowed a rebate, have the advantage over those holding licenses for timber berths on prolincial lands, "he are allowed a rebate of 25 cents a thousand."

THE five colonies collectively, comprising the continent of Australia, annually import timber from other parts of the world :o the value, at times, of over $\mathcal{f} 2,000,000$ sterling. This circumstance has set the Australians conning the problem of forest conservation. It is not alone the cost of present consumption that is considered, but the question is asked by the Director-General of Forests for the government of New South. Wales, "if such is the annual value of the
imported umber at this comparatively carly stage of our existence, as a nation, what will it be, sily fifty years hence?" "dnd, secondly, will the supplies from which we now draw remain always available?" Undoubtedly these are important and practical questions. The first carries its own answer, and the second, Mr. Brown, the officer asking the question, thinks may te answered in the negative. Then follows the further comundrum, "what are the natice timber resourees of these colonies," and are they being utilized in such a way as to make the most of them ?" It is understood that whilst woods, such as the tulip, cedar, blackwood, and mahogany are not as acceptable to the colomsts as the imported walnut, ash, elm, and hickory, that yet they are in every "Nay equal to the imported article. This argument faviors the conservation of the ingenious forests, and also the planting of exotir trees, which it is clamed can be successfully grown in Australia, both the soil and climate being suitable. We are not so sure that Mr. Brown is not a little Quinotic in some of his conclu sions. It is doubtful, if these amtipodal colonies can within themselies grow wonds that to day they are importing. In any case, if we know angithing of forest preservation in this part of the Empire, the contract to hold their own in native timber is large enough for present consideration. At the same tume, we are glad to see our colonist brethren from "dount belon" taking so lively an interest in the question of forestry: It is one of these subjects, that requires all the enthusiasm that is likely to be thrown into it.

Last year the Dominion government despatched William Ogilvie, the well-known explorer, to insestigate the resources of the upper Ottawa and the country lying contigunus to the Hudson bay. His report has been laid before parliament, now in session. With regard to the timber resources of the district traversed by him, Mr. Ogivic says: "It is needless in say anything of the timber resources of the upper Ottawa, they being well-known, but the country near the water shed we are not so familiar with. Here there is much red and white pine, with some fair spruce available, which will compare well in size and quality with a great deal that is now taken out. Timber on larrier lake, Lonely river and Long lake, and its affuent streams can be directly floated into the Ottawa. That beyond the water shed, around Island lake and its affluents, can with very little trouble be floated into the waters of the Ottawa as follows - I have already mentioned that in high water the water from Sumbit lake flows both to the Ottawa and Abitibi. Now it appears to me that a few hundred dollars judicinusly applied would make this exit to the Oltanr available for the passage of timber through it down to Leng lake. By decepening and straightening Snake creek, which could be ersily done, and placing a tug, such as is on Quinze lake, on Summit and Island lakes, all the timber around there could readily be placed at this exit and thence easily brought to the Ottawa by the aid of a tug on Long lake, Lonely river and Lake Barrier. As we approarh Lake Abitibi the pinc gradually thins out, untii six miles below it, on Abitibi river, the last white pine is seen, and thenceforward we have only spruce, poplar and some birch and tamarack, of which only the first named is large ennugh to be of any commercial value. On the Moose river there are many spruce trees fifteen inches and upwards in diameter, and some balsam and popiar which could be utilized for many purposes. Very few trees were seen around James bay of large enough size for other use than fuel. In the vicinity of Rupert's houce some building timber might be found. but not much suitable for any other purposes, the same temark applies to East main and all intervening country. If the timber on all the other rivers flowing into the bay is no more important than that I saw on the Abitibi, I would hesitate to call the timber resources of that district valuable, for though it is all thickly wooded only a percentage of it , along the river at least, is large enough for merchantabie lumber. Yet the time is coming when it will have to be resorted to, and when this time comes we shall find ample water power on the ground for the cheap manufactuing of all the available lumber there, so that the consumer here or elsewhere will not there, so that the consuncr here or clsewhere will not
be burdened with the cost of transport of the refuse part of it"


G/HERE is really a vast diference," said Mr. Geo. Hastings, of this city, "between selling lumber to American dealers and to those in our own country. Here we sell everything on three months' time, and do a large amount of renewing fur custumers. An American firm never dreams of asking such terms. It is net an uncommon thing to receive back a cheque before the stock has actually reached the customer. There is a pleasure in cultivating a busincss of this character. But remember this, when you sell an American a certain class of goods, he wants that and nothing else. He is prompt and exact all around, and this is as it should be." In answer to the query, how is trade, Mr. Hastings reported it "quiet, though the outlook for the fall is fair, if the harvest turns out well."
"Lumber trade in New Brunswich;", remarked Mr. R. B. Joyce, a former lumberer of that Province, and now located in Toronto, "is seriously affected by the competition of the Baltic. It is an export trade that the Province depends upon, and the cost of production has increased te that extent of late years, through increase of stunpage and other causes, that they cannot profitably cope with this outside rival. I wish it were otherwise, but 1 sometimes fear the best days of my old province have gone by."

I have heard of a Nichigan lumberman, who has written to a friend in Canada, asking: "What in the old Harry the Cinada Luaberman means by agiating this $\log$ question?" This hits mv devoted head, and I wish my Anıerican friend to know that my hair is getting very thin about there. I have not done any agitating. My province is to give every one a show, and I have been letting the folks on both sides do their own talking. 1 must try and catch you, and get in your say, too. Eul is a free and independent elector, with no axe to grind; but he is dead anxious to further the interests of every lumberman.

I had a tew words with Mr. Tennant, in his office on the esplanade, a week ago. He had just returned from the west, and reports a farrly active trade on the other side of the lines. "Yes," sald he, "they have got over the labor troubles that threatened such dire disaster in the early spring. Prices are somewhat stuff. Good inch and half and two inch Canadian lumber is bringing $\$ 3$ a thousand more than a year ago." Mr. Tennant expressed the opinion that the reduction of the duty to $\$ 1$ a thousand had helped slipment; to the States. One effect of the change, however, was to product a scarcity of lumber here. Stocks just now were very tow.

1 have noticed in reading the news tems of the Lumbersas tiat with few, if any exceptions, the shingle mills of this country are reported to be working day and night. Meeting a leading lumber merchant a few days since, I asked him to account for this. "It is owng" he sadd, "to the strong American demand for shingles. These people for some years past have been, to a large extent, using un and galvanized roofs. Experience has proven to them, that these will not stand the weather, and they ate now goong back to shingles agan a it mch shangle is being used in most cases. Many lumbernen are cutting therr rough logs into shingles and as they can sell them as fast as made, they get their money out of them at once. Prices I am glad to say are up a little."
"The flattenung out of tie real estate boom in the city, remarhed Mr. Cailneii, manarker for Messos. Tennant \& -o., lumber merthants, "has made local trade quict. Real estate has tued up a good many people. Vers little speculatioc building is goong on today. The erection of small houses, such as was gone
into so largely n few years ago, is what created the demand for lumber. Iron and stone are chiefly used in the large buildings that are now going up in the city. Trade in the country is quict, but we are looking for a good fill trade. Eierything depends on the harvest. The farmers are the mainstay of our country towns. One bane of trade in Canada is the long credits. I have been trying for some time to get the lumbermen together in orier that some arrangement could be effected that would end this kind of business. Thunk of such nonsense as the jobber paying out in cash freights on lumber shipped from the mills to some local customer here, and then taking the man's note for that which has been a straght disbursemerat on his part. And that kind of thing we are doing every day. The practice was started by a firm, who are to-day out of business, but it seems imp,ossible to get any one back to sensible principles agnin." Mr. Caldwell reports that his frm are finding an increased demand for dressed lumber, and that they' are having this work dore at home, and to the satisfaction of customers, both as regards prices and character of work.
"Why should not the duty on hardwoods, as well as pine, be reduced to one dollar? asked the manager of McEachren Bros.. lumber dealers of this city. "Our trade is nearly altogether in hardwoods and we find ourselves a good deal handicapped by the duty. We pay it of course and not the corsumer. It comes out of our price."
You have been through the States lately was the suggestive enquiry of the interviewer.
"Yes" said he, "I was all through Fir rida, Tennessee, Virginia and other southern States the early part of the year. To me the weather was delightrul. I saw lots of yellow pine and I can believe all I hear about its growing popularity. It is a handsome wood, and of great length. But about that duty on hardwood. There should be free trade in lumber of all kinds."

Doctors will differ and so will lumbermen. We may have before us the same data, but it does not follow that we will reach the same conclusions from that data. I tell elsewhere on this page of a consignment of twenty-five carloads of lumber to a real estate dealer in the city. A well-known lumberman relates how the circumstance struck him. We give his story. I mentioned the fact to lumb ,man John Donagh. His impression was that $t$. possession of so large a quantity of lumber by one o ide of the lumbering business, told of a real estate disei $r$, rather than its usefor building operations by or for the owner. "There is a good deal of trading in real estate these days," said Mr. Donagh, "and I have known men in the city to acquire quantities of lumber taken in a real estate deal with some one in the country, who owned, or found it to his interest to control, some lumber." Either interpretation may be correct, and both are probably typical of actual transactions occurring at times. There is very littlc, from a jack knife to a lond of lumber, that cannot be concerned in real estate these days. I know of teas, sugars, pictures, printing due bills, and the dear knows what else, that have played a part in the sale of a piece of property. Anything will count, if only the properts can be influenced to change hands. So much for real estate.
1 have seen a letter, addressed to the publisher of The Lumberman, from a wholesale lumber dealer across the border, asking, "how to get the address of lumber dealers or manufacturers in Montreal and Otawa." The parties writing the letter are subscribers to The Lumberman, and an announcement from dealers in these places would, of course, come before their notice. Others would also see it, for I am informed, that the request is not an unusual one. The leter is naturally suggestive of advertising. The lumberman has no cause to complain in this department -at least, as an onlooker, it strikes one this way; the fact that so many of the best finms in the couniry; espectally those engaged in manufacturng, use its advertising pages regularly, and some most liberally, is an unmistakable compliment to the merits of the journal as an advertising medium. I have been struck,
however, with the paucity of advertising from lumber dealers themselves. They have lumber to sell. The Canada Lumaerman covers the whole field in Canada, of value to those who sell lumber, and it has alsn n wide constituency across the border. How many cartoads of lumber would a dealer require to sell to cover the cost of an atractive busmess amnouncement in these pages? It is evident from letters such as wo have quoted above-and it is no single instance-that there are new customers to be had, if our dealers will only let them know that they are doms business. A nod to a blind horse ctc.
"A large amount of propert) in this cit,", said Mr. Meanes; manager for R. Thompson \& Co., lumber merchants, of Bay St., "is not paying more than 2 or 3 per cent. on the amount invested. Toronto wants about 50,000 more people to drop in here-and to do so at once. Building las been overdone, and it is because so many people are loaded up with real estate to-day, that col. lections are slow Have you noticed in the case of recent failures, what a large part of the assets of many insolvents is made up of real estate? We are forced in settling up with custoners very often, in order to protect ourselves, to take over property of one class and another. I suppose it is better to do this than to make a clean loss, but in most cases we will have to "hold on" for sometime before we get our own back."
"I will tell you a funny thing that came under my notice a few days ago," continued Mr. Meansy. "I was signing the G T.R. book in acknowledgment of an advice of a car load of lumber for our firm. I noticed the names of scveral other local firms for a carload each. Scanning the listmoreclosely; I found acertain real estate dealer down for 25 car loads. We poor mortals could only buy one car load at a time; he bought in lots of twenty-five."
What significance do you attach to this? was the query. "It just means that speculative building in the city has reached a point where holders of real estate, who can manage it, find it necessary to hold even the lumberin theirown hands, forthe speculative buildersare not in a position to command any credit. The owner of the land may be able to unload himself in part this way. If the builder can make anything beyond his wages all well and good. If not the other man takes no chances."
1 found Mr. Micaney as 1 have found the lumber dealers generally loaded up on the question of long credits. "Take in the real facts," said he. "The lumberman starts into the woods with a lot of men. For cutting, logging, drives etc. he has got to put up spot cash, from the start. When the lumber is actually manufactured, it is a mistake and means a loss to sell it at once. Nearrly wo years go by from the time he starts to expend capital in its preparation for the market, before it is actually ready to sell. Then when it should be converted into cash, it is sold on three months time, and this credit is extended to the amount of one half hy renewals."
Well remarked Ely no doubt you allow for all this in the profits.
"Yes we do" said Mr. Meaney with a quzzical smile. "Take bill stuff. It costs $\$ 9$ at the mill. The freight is $\$ 2.75$. We sell it for $\$ 12$ on time. Big profit, isn't it? And lots of margin for an occasional loss during the year. The Lumberban would be conferring a great boon on the trade, if it could do anything to get the dealers in this city together to talk over these matters in a common sense, business manner, as business men should always be able to do."
The venerable Elu, having his subject well in hand, was cruel enough to torture him with one more question before the interview closed. What about the duty that some folks are making a good deal of noise about?
"It has been a good thing for this section of country" was the response. "Our good lumber is worth \$5.a thousand more than it was a year ago. We can't credit all this to the duty, bu: it has had the effect of bringing the Ainericans over here and letting them see just what we have got, and in this way new trade has been created, and as a result of the increased demand has come increased precs They have found that they can do better here than in Michigan."

## A BRITISH COLU\&BIA SPECIMEN.

THE illustration on page five of this month's Lem. uerman is a representation of an enormous tree to be scen in Stanley Park, Vancouver. B. C. Unless one has seen these giants of the forest it is hard to realize their enormous size. They constitute, as every lumberman knows, one of the main sources of tae natural wealth of the Province. The great size attained by these trees has been attributed by so high an authority as Dr. Dawson to the mildness and humidity of the climate. The Dourlas pine frequently exceeds 300 feet in height and is remarkably strong and straight.

FASHIONS ARD FADS IN THE LUMBER:TRADE.

THERE is one thing that defies' hiiman foresight or predict ary all human laws and efforts to contro. It is fashion. No human foresight can predict when, where, or in what shape it will start up, or in what direction it will trend. It is essentially a child of Civilization and its wildest modern vagaries mark but successive steps from barbanc splendor to the heighs of culture. It is the one omnipotent power that rules modern civilization and culture with a tyranic despotism more inflexible than the barbaric:ages ever knew.
It would seem that, in this utilitarian and practical age, if there is any industrial interest that would be entirely free from all infuence of the tyrant fashion it would be the lumber trade. But it is not. Fortunes have been made and lost in the luniber trade upon a whim of Fashion. Some years ago Fashion issued a decree that all the world should skate, regardless of climate, weather, and thermal conditions. Lumbermen made fortunes building rinks to supersede frozen water, and the world was ransacked to find suitable timber to makerollers for skates. Millions of money were $n$ nested in the manufacture of roller skates, rinks, and the patents that covered their mode of construction. The forests of Asia Minor were "denuded" to some extent of boxwood timber to make the rollers, and that wood, at one time, was worth almost its weight in silver, and figured largely in the national tariff revenues. Suddenly Dame Fashon issued a decree of disapproval of the sport, and as suddenly half made. fortunes crumbled into bankruptcy.

About, or soon after, that tume Fashion decreed that the sportung and pleasure seeking world should devote its attention to another athletic sport-base ball. As usual, the lumberman were called upon to furnish their part of the outfit, and it proved a small bonanza to some of them. One obscure hamlet in Tennessee furnished as many as one hundred cars of ash tase ball bats in a single year. Recently the demand for this kind of wood work has fallen off to almost nothing, and there are some anxious inquirers among the lumber fraternty who want to know what Fashion is going to do about the game. This is a question no une can answer positively. Under the league system of professionals the business was overdone. It requires no special mental training, no moral characier, or other trait except physical vigor and practice, but experts soon commanded salaries exceeding those paid our high judicial and executive eficers, or the most eminent divines and scholars. If Fashion were governed by sense or any known law of reason we should think the professional game is "out of fashion." As a college game, among non-salaried ama!eurs, it is well enough, and will probably always be in fashion, but the tribute it will pay to the lumbermen will be comparatively small. Those who are now discussing whether the present condition of the game is only a temporary depression or a permanent decadence, refer to the English national game of cricket as a hopeful example. They say that game has been played in England for centuries and is sull popular, and many think base ball will revive. May be so. No one can tell, but this is not a good time to invest money in machinery, plant, or timber for the manufacture of base ball supplies.

THE forest fires where damage has been done to live timber are likely to result in considerable summer log. ging being done. The timber will be cut to save it from destruction by the worms and the elements.

## bRITISH COLUMBIA LETTER.

A Brisk Import and Export Trade-B. C. Firve Ore gon Pine-Parsonal and News mention.
[Regular Cortespondence Canada Lumazrman]

ALL the nills in British Columbia are taxed to their fullest enpacity to fill orders for local trade and export. The great scarcity of bottoms still continues and the amouna exported is curtailed for this reason. It is a surprise and cause of wonder to many that the export mills in British Columbia have more orders than they can fill, for the above reasons, while the mills on Puget Sound are either closed down entirely, or only running lalf time, from want of orders. The explanation seems to be that the timber from B. C. finds more rendy sales.
The Boards of Trade of New "estminster, Vancouver and Victoria are trying to have 13. C. lumber and timber quoted and separated from "Oregon Pine" in the circulars and trade reports of Australia. Now it all goes in as "Oregon Pine" which is unfair to B. C. Fir.

The Canadian Pacific Lumber Co. have concluded the purchase of five acres of land near the head of Lulu Island from Mr. D. McGillivray on which they will build their mill. The purchase price was $\$ 5,00$. Work on the mill has been commenced. The machinery has been ordered and is expected here shortly. A rumor is abroad that a well known manufacturing firm will amalgamate with the Canadian Pacific Co., but at this writing it lacks confirmation.

Messrs. Muriay Bros. have opened a retail lumber yard at Mission City and are now ready to fill all orders for building and finishing lumber.

Morton Bros., mill on the Nicomeckl River is kept busy at local work.

The R. C. P. mills Co. daily ship from 3 to 5 cars of lumber east per C. P. R. and the Brunette Saw Mill Co. is increasing their trade east of the Mountains, every mail bringing in orders. The new mill is work. ing to the satisfaction of the management. Mr. John Wilson, late of Ottawa, is now manager and H. L. Debeck, secretary. This change was made at the last general meeting of the Co. held in New Westminster last March.
T. S. Higginson Esq, crown timber agent, is still very unwell and feels the effects of his accident received in the C. P. R. accident at Schreiber, some time since. The output of the Westminster mills tor the year ending May ist is placed at one hundred and fifty million feet of lumber, the value of which would be about $\$ 1,875,000$. Th's is exclusive of laihs and shingles. It is estimated that forty five millior shingles were also turned out, which would mean at leau: $\$ 135,000$. There were fifteen millionlaths, which would aggregate 537,500 . Of the above production it is estimated that at least one-half was exported to foreign countries, such as China, Japan, India, Australia and the United Kingdom, while the other half was utilized at home.
The genial and capable manager of the Maclaren Ross Lumber Co. Mr. R. H. O'Hara, has resigned. He left for the east on 24th inst.
H. G. R.

New Westminster, B. C. June 25 th 1891.

## LUMBERINQ-THROUGH WOMAN'S GLASSES.

THE following sprightly sketch of the Longford Saw Mills is written by "Madge Merton," editor of the woman's department of the Daily Globe. It is read. able, because of its brightness, as well as presenting an interesting picture of life in the lumbering regions, as seen by a woman. She says :-
"Five miles from Orillia across the Lake Couchiching is the little lumbering settlement of Longford, owned by Thompson Bros. The three-fourths of a mile from the dock to the large mill is a pretty drive past fullfoliaged woods, stony, rolling ground and the ruins of an old tramway, which has fallen into disuse since the entrance of the railway.
"Alongside the mill is Lake St. John, a pretty, glassysurfaced sheet of water four miles long. Near the shore the logs were lying ready for their quick passage through the noisy mill, with its executive commatte of saws and men. How the saw dust, splinters, blocks and chips come umbling down the shafts, for the waste
feeds the furnace. The two great engines hissed, the floor shook as they trod their measured way and I could easily believe they were doing the work of a hundred and twenty horses. Up alove we salw the "et logs come up and watched the saws bite into the pine, casting to one side the tough brown bark. The bands and pulleys seem to whistle as they spun around and tae men straned every muscle, for the whathing machinery wasted for no slow hands or wearsed bodies. The circular saws hissed spitefully as they cut the till. ber even and the norse of the planks falling upon the pile was lost in the commotion.
"Standing near the lath machine we watched the slender sticks come out ready to be sirted into bundles. The hiss of the saw was of shorter duration, but further over the busy, larger one filled the secondis interval with its monotonous buzzing.
"We clambed up to tise door of the big sheet-iron burner, in which the useless saw dust fell to the consumed, and stared with horror-startled eyes down mio the fames. They leaped towards us woth a roar. The hot smeke rose in clouds and the sparks danced in them like shooting stars.
"At the smaller mill 1 was much interested in the emery wheel which sharpens in an hour a big, wecked looking saw which by hand required a-half day's labor. How if yround against the metal, flinging sparks out into the air, $t$-muding one of pin-wheel fireworks on Dominion Days !
"A store, telegraph office, post office, church, school and free library are the town part of the setlement, and the little cottages for the married workmen are prettily stuated away fre a the mills, with two large boarding-houses for the uninarried ones.
"In passing a stone quarry I learned that stone was being shipped from it for the new Toronto City Hall building. To the north the bush fires were raging and the smoke drew the horizon close abrut eyes which were aching to louk beyond it.
"High piles of lumber rose above our heads till it seemed as if pigmy horses and dwarfed people were mowng along the winding road. "Ten millions shipped since January and 120 M cut in the big mill in a day." was the owner's answer to my queries.
"The air was spicy "ith the odor of the fresh-cut pine, and the sun was red in the smoky atmosphere as we boarded the little steamer on our return journey. All the way along a band of sunset-light stretched between us and the west, startied into sparks as the disturbed water flowed away from the path cut by the prow. Grey-hued in the smoke lay Orillia with its tuers of tree-crowned terraces stretching above the water front of the calm little ssland-dotted Lake Couchiching

## TRADE NOTES.

The firm of Burns \& Thomas, saw manufacturers, of this city, has become the E. R. Burns Saw Co., Mr. Thomas retiring. The saws of this company, of whatever kind, have ever taken a first position. Circular and long saws of all kinds can always be had from them.
It w:ll be of interest to our readers to know that the Waterous Engine Works Co., of Brantford, have a band saw mill expert from the States in their employ, who, they will be glad to send out of any mills requiring the: service of a man to put their saws in order and give them instructions in running band saws.

The Cant Bros. Co., of Galt, have just brought out a new and improved hub boring machine with a selfcentering chuck, capable of receiving blocks from 3 inches to 22 inches diameter, and of boring or rean ing either straight or taper holes from $/ 2 /$ of an inch to 5 inches diameter. The hole is bored in the block complete at one operation to the proper size and taper, so as to fit the hub lathe mandrel on which the block is turned and finished. The carriage is mounted on and gibbed to a stout wooden frame, and will neither leave its bearings nor spring even when performing the heasiest class of work, and it slides to and from the boring tool easily and accurately by means of a large hand wheel When the carriage is moved to the back end of the machine, the block can be readily placed in and taken out of the jaws, which are operated by hand wheel and gearing.

## THE NEWS.

## ontario

-Ottawa river is now at its numinal height.

- The saw mills at Burk's Falls are busy cutting
-Trenton notes their first drive of logs last week. -Mcalillan's saw mill at Murris, is ranning full blast.
- What about the news of your distuct? Send it along.
-Messss. Elliott S: Co., builders, Torunto, have assigned. -Business is rushing at Donaldson and Perdue's at Bayfield.
-The planing mill of arr. Eaton of Orillia is being en. barged.
-Robert Sampson's nill at Pr. Alma has started for the season.
-Wages in the lumber industries of the Ottawa lave been reduced.
-Deals for England are being shipped by Mr. J. R. Booth of Ottawa.
-The E. B. Edd; Co. are converting their saw mill into a paper mill.
-A saw mill is being ereeted at O:terville by Mesrs. Kay and Smiles:
-Potter's saw mill at Litlle Current is being run to its fullest capacity.
-A drise of 40,000 logs of the Rathbun Cr. passed through Yarker a week since.
-A large quantity of valuable lumber is beiag cut this season at Sturgeon Bay:
-The Rathjun Company have purchased 200 carloads of timber at the Mississippi.
-Erery lumber firm on the Ottave, it is said, wiil work limits next fall and winter.
-Mr. Jaymer. of Sturgeon Bay, has been perfecting the machinery, shingle mill.
-The saw mill of Mickle and Dyment at Bradford gires employment to about 50 men.
-Pierce $\dot{\&}$ Cu's. mill oa the Ottaw-, which is at present ide, is to be sold next month.
-Actirc preparations are being made for the building of a saw mill at Saliford, Huron Co .
-The Buel, Hurdman \& Co mills at Ottawa will iun day and night during the season.
-W. B. Fotheringham, saw mill man, at Raing River, Ont., has assigned to Campbell \& Mas.
-The big saw mill at Braiford commenced operations on 2nd ult., and will run about four months.
-The steamer "Rush" is loading lumber at Ottawa for the Bronson \& Weston Lumber Co. at Rockliffe.
-The Parry Sound Lumber Co's shingle mill is runaiag day and night to meet the demand for shingles.
-Logs in large quantities are being shipped by Messrs. Broxion'and O'Connor to the Chatham Mif. Co.
-The tail of the first drive of saw logs doun the Moira passed throagh the boom at belleville oa izth uit.
-The S. S. Africa and her tow cleared Collingwood las: weet with aboct a million feet oflumber for Tonawanda, N. Y.
-Mr. E. B. Eddy has eiected a nex: blach-smith shop next to Hatcman's mill, Ottanz, the dimensions being abor: $30: 40$ fect.
-Rivermen from up the Gaxineau repors that the leg drive on the Blanehe, which is making its uary down, will be 2 n tausually large ore.
-Long tains laden with loans come into Deseronto every night orer the $K \mathrm{~N}$. \&N. Kiy from the Miscissippi Kiver via Harrousmith
-Earnalific, Oltama, the laic bome of Sir John A. Alacdonald, was lormerly the propetty of Mr. Jas. McLasen the well-known Ottawa Jumuerman.
- Hoth Booths and fiurdman's piling kroands on the Hall side of the Ottawa present a descred appearance, most of the lamber haring been disposed of.
-The new card beard factory of the E. B. Eddy Co., Ontame, suned operations on the 20:th als. The card board is made entively from sprece palp
-The Export Lomber ra hare beil: a track from the Chasdiere branch of the C. A. R on the liae betweat theiz pilitig kroonds and those of J. R. Booik.
-The Capital planing mill companj's ner facoss at Stewarton, neas Oitawa, is now sonning ard a hase amocra! of planed lember is being tarned oat dails.
-The Fied mill stuht uflumber at Litle Current, alow Meesrs. J. T. Conlun's cut for this year, has been purchased lis Mr. W. H. Bellinger of Tonawanda, N. Y.
-Messrs. Mitchel Bros. of Owen Sound and Lucknow are doing a large export trade in hardwood, principall; maple, to England. Therr mill is running day and magh.
-Fishery Inspector Rannsay has caused Messrs. Gall, Anderson di Co. and haight Bros. of Burt's. Falls, to le fined $\$$ to each for allowing saw dust to ge: into the river.
-A fine class of logs is reported as coming down the Severn and whech are being converted by Mir Rowland and his m:n into lumber at the rate of over thisty thousand a day:
-Deals and boards for the Glasgow market are being shipfed from 1. R. Booth's mill, Ottawa. Already eight barges have left, each carrying over 300,000 feet of lumber.
-The Kathbun Company's mill at Rossmure has been abandoned and is in course of dismantlement. The boilers are out and the order fer the removal of the smoke stacks bas been issued.
-Only Bronson \& Werton's and Perle; \& Pattee's of all the mills on the Chaudiere are running on full time. An army of workmen walked the streets of the Chaudiere through lack of eniployment.
-Twenty-five thousend ties for the Grand Trupk Railway and 1,000 curds of wood for the Siapanee Cement Works and Deseronto chemical works will be taken out of the Niapanee mills this season.
-Bronson and Westor's and Perler and Patters' mills on the Chaidiese are runaing with large gangs. J. R. Booth's lerge mill is not yet running. $A$ dearth of employment for workingmed is seforted.
-The Rathbun Co's mill at Lindsay, which wasthoroughly orertauled this season, and a number of improrements introduced, gives employment to about thitty bands. The season's cut will be a reng large one.
- Beatly Hurley who presented a false invoice when be entered some lumber at Pr. Lambron and then had the lumber seized by Customs Officer Deming has paid up and taken tiee lumber. It cost Hurley only $\$ 150$.
-Trouble is reponted in connection with she timber cut on the Indian reseric at Manitowaniag. The department bare put on men to seale the lumber orer again and Burton Bros have leen forced to more tue logs untill the senle is completed.
-The first drive of the season passed through Young's Point on ist ult. The Lakefield Lember Co, Dicken Co.and the Messrs. Gilmour will each follow along with drires. These are expected to make the surn total of dixites for the seasor.
-The sug Peter Smuth passed through Litile Current on the evening 15ith ult. bound for Freach Rurer. This is one of the large Amerion sugs which beloag to the compary which have contracted for the soming of Howrs \& Co's. logs
-The piling groands of T. R Booth, in Rochesterville, are leing improred by workmen. On both sides of the Cedas street school the groend is being lerelled, and aext a stenm shovel is to be pat in to remore the large bill below the school.
-Mesrs. Heath, Tait and Tumboll, of Huntrille, are cutsing shingles at the rate of $5,000,000$ per moath and arelikely to make a tn:al cat for the seasen of at least $30,000,000$. The Edison electric light is ased in the maill and the frem are saw. ing shingles day aind night.
-The Parkiale Lumber, Blanufacturing and Beilding Company have decided to discrastinue as a joint sioch company, and, ing a recent arrangemeat, Messs. Coxibad and Inghan will operate the planing mill and Gac:ors, and Mir. James Sterart will take orer the lemher trasiness.
-T. H. DeCew, of Essex in company with Mr. Scoll, of Portand. Ore., frurehased 8,600 actes of fine timpler hand ia Orexon. Mir. DeCew zeports it as trenaf the finess timber he erer saw; says he has heard of sech riees lu: nerer expected to ses shem. On one acre he coanted 26 which unald average 10.000 fect of timber cach. The average here would be aboat 1,500 feet. Oae large tree they estimated woald measure 35,000 fect. Alay nember of them woald gield straight logs $=00$ fees long. Mir. DeCere is thinking of seturning this moath and beying another section of 640 acres in the same iocalits as the other.
-Juae 29:h recorded the amroral of the gins raft of the seasoa at the foot of Paslimment hill, Oitawe after a rojage oi sereateca days from Des Joochimes. It consisted of some rizs cribs of fine, clear. square timber, belviging to the coneen of Thisile, Carswell \& Francis, and mas laken oct las: niater os th- Pelewawa river. The raft was in charge of Francis Pael, the veteran rives.mana, who in the past forff-six jears
has Lioughia tutal of 112 safts frum the $\mathrm{C}_{\text {pipet }}$ Ollana diena to the Quelve nuarker. Nut mote than a dozen rafts of square simber will be brought down this season, as compared to nearly a bundred last sezson.
-The case of C. P.R. v. I. K. Lawton and Blind River Lumber Company has been concluded in Court of Appeat, judgment being reserved. The C. P. R. and lumber company had mills some two miles apart, and to avoid the expense of moving logs through Lake liuron an agreement of exchange was arrived at. After exchange had been made toth plaintiff and defendant complained ofinjustice, and Peter C. Campbell, the Crown Timber Inspector for Algoma was called in as an arbitrator. After hearing the evidence Camplell ordered the C. P. R. 10 ply Lawton $\$ 5,861.71$ and costs. The C. P. R. appealed and Judge Falconlridge refused to set aside award, and litigation was the outcome of the C. P. R's. second appeal apainst the decision of fudge Falconliridge. The plaintiffs claim that Camplell, being a servant of the Ontario Government, was liass:d against them, and again that fraud was used to grin the award.


## QUEBEC.

-Mr. G.N. Var mor St. Iohn, has changed his property at this point for lax., and mills in Lawrenceville.

Ross Bros, of Buchingbam, are besp repairing the ravages to their lumber slide caused by the great land slip back of the Presigterian church lately.
-"One thing that has contributed in some measure to the falling off in business at this port is the fact that no lumber is being sent to South America," said a steamehip man to a Star reporter at Montreal. "Last jear, not a single deal was sent, but this scason not a single cargo bas- gone to the River Platte, and what is more, there is no lumber eren on the whares."

## SEW RRUNSWICK AND NOVA SCOTIA.

-The exports of St. John, for May, were valued at $\$ 4 \$ 5$, 49725 compared with $\$ 316,492$ in M1ay, 1890 . About $\$=93$,$\infty 0$ of this consisted of proderts of the forest.
-The St. John schools hare had a voting contest for the most popular natice t:ee and flower. For the tree 4,492 votes were cast. of which the maple receired 2,934 . The elm was sevond. For the fewer 4,635 votes were cast, the rose getting 2,691. The lity was second.
-The Tracadie riter steam saw mill, with 200 acres of Lnd hare been sold, to the Bank of Mortreal. The mill formerly belonged to the Sweener estate, but was mortgaged to Messrs. Stewat, and oa their, failure the mortgage was banded orer to the Bank of Monateal. 3lr. C, W. Weldon bought the property for the bank $=t \$ 7,000$.
-Two more safis of rimber, con:aining 8,000 sticks each, are sooa to be started from the St. Jobn rirer, to New York, by the irrepressible John D. Lears. They are to be made up into $=$ series of short rafts, competed like $2 \operatorname{srain}$ of cars and the work of remoral will be berren 25 soon 2 freshe: octers in the St. John rirer. Before reaching marigable mater 'he great zibs rill be taken in tow by two porerfol ocep turs and tomed to New York.
-The Fredericion Boon Company has about comple:ed an ingenious contrivance to be used for the purpose of expeciting the loading of rafts, which ordinarily is a work of mach labor, and emplojs'sereral basds in zakiag the boon poics, used in bracketing, from the water. This machine is intended to do ithat mork. It was designed and is being built undet the superision of Charles H. MeClesky. A frame is placed on a rali beariag a horizcasal shaft. On iths shaft are two toothed wheels abor: 12 feet apart. Orer cach nfiese wheels pases an endless slot chain, with ciams fasiened to the lisks az interrals of 1 wo feet. These chains work orer pallegs at the ena of ineliaed planes ender kater. The boom poles are floated to the side of the zall, and come directls ores the chains, which as the wieels reraire carry the poles up on ite raft. It is a new sigle of clerato: and pretis cosity, be: will very mach lexsin the $\pi$ mi in labor and expense. All of the booms nill ke foraished with the raachines.

## RANIITOBA AND THE NORHWEST.

-M. S. Rgan, lamber and mills, Milllille, is dead.
-Mescrs. Alana St Durham, of Beacion, las claim to the only corered lamber yard in Manisobo.
-Brazdoa ismber dealerr, a locil exchange safr, are catling rates with a reageance. Foolish fellows.
-Kablis Deary's drive reached Rainy Rirer a week since. Tber brough: are million feei of logs for the Keewatin $\lambda$ fill. ias Compass.
-I. H. Hughes, of Rat Portage, bas got his mill reanisg. =ad sags that be will coll and brias :o Bracton, 3,000,000 fees of white pine lomber this seakon.

C'pwards of 20,000 juung furest wees have leen sent from the Central Experimental farm at Ottawa thas seasun io the Northwest Terri:acies and Manitoha.
: -A. H. VanEuten has sold his lumiker gard at Winnipeg, to ibe Western Lumber Co., Lud., of tat Portage, Ont. Mr. VanEtten will remain in chauge of the thasiness as agent for the Western Lumber Compans:
-August Pufal is the champion poplar peeler of Manitula. He peeled 42 cords of poplar in secen days, inc the buch of Hugh $F$. Coburn. Two dollars and fifty cents is being paid for poplar ing Mr. J. H. Bromley, and he has already bought 4,000 cords, and it is nut unlikely that he will run his pur. chases for the season up to 10,000 corts.

## BRITISH COLUMBIA.

- Uiard's shingle mill, on the North Amm, is very busp shipping to the interior.
-The barque Ordovicis loaling luniber at the Hastings mill, Vancourer; for Callao, Peru.
-The Brunette millsat Sapperton are running overtime. They are shipping daily to the eastern markets.
-Mrrray Bros, local lumber dealers at Afission City, have just received a shípment of 200,000 feet of tumber.
-The Canadian Pacifis Timber and Lumber Co., have concluded a contract for the getting out of two million feet of luniber near Sechelt.
-Mclaren \& Co.'s new circular saw mill at New Ediaburgh, has commenced sunning. This firm carry heary ordegs at present for supplying dimension timber.
-The residents of Moodyrille are talking of starsing 2 shingle mill. the stock to be owned by the residents of the - Port. One bundred thousind feet a day is to be the output.
-The Shawnigan Lake Lumber Co. are going to increase the capacity of their mill and are puting in additional machinery; which will increase the cut to 40,000 feet per day: This is consequent upon the increasing demand the company have found for their fresh water lumber.
- Mir. John Patieson, of New Westminster, is credited with the "find " of a splendid stretch of the finst timber, some 45 miles from the Squamish. It exiends for upwaids of 100 miles and is composed of fir and cedar-some of the latter measuring 18 feet in diameter, six feet from the gruand.
-The largest cargo of lamher yet exported from the mills on Burrard Inlet was that of the steamship Eton consisting of 1,765,714 fees. The steamship Remus cleared Niorember 19 with $1,591,3$ aid fee: lumber and 6,1,3 bundles of laths; both of there ressels were loaded at the Aloodywille saw mill.
-Johnaton Bree are rapidly strpassing the estimate of the quantity of lumber they expected to get from their camp at Pore Moods. It has been said by those qualiGed to speak on the subject, who hare risited the camp, that the quality of the cectar they are getting out is unsurpassed in British Colambia for making shingle bolts.
-It is reported that Mir. J. A. Carthew, the well-known cepitalist, has parchased the Gamble saw mill and canners site ua the Skeena, midwas letween the Standaril canners and Port Essington, and will at onec proceed so erect thereon 2 siwe mill, the power being derired from two turbine wheels, of 150 horse power cach. The location is canceded to be the fines: for the parpose on the Skeena, and Mr. Carthew has already orders caough in riew to keep his mill renaing is its fall eapacity all through the seasor.
-The sale of the Mloodyrille Saw arill Co's property to $a$ foreign spodicate of wealthy capitalists bas been finally complesed, asd 2 hears despasit made as refresearing the bois fides of the parties who hare made the parchase. The transfer ialics place on the 1st of July whea the new owners, in addition to aseming control of this very valeahle properts, will ealarge the cationg eqpacity of the mill to more than donble the present octput. The properts will be cleared and Laid oert into city lois, sof zient, howerer, will be retamed for the actial requitements of the company in connection, with its manefaeturiag and stipfing besiness. Oibez indestitics besides the saw mails are to le located there, of which faller particulars will be made known hereafter. Thè coasider-ion peid for the property is one millioa dollars. is embrac, the mills and some 400 acres serronading the riliage, about 6,000三cres of tionber and praifer land oa Med Bas; sercral braded acres of land =cross the Ialet from this ciry and leases covering timber limits which will supply the mails with loci for the next 50 jears, if donble its prosent apacits. The properts has a foreshore froatage on the Inle: of about forts mitiex, afiordien uarivalled shipping adrantages Amongtt the cemes of the parchasers are ibose of Roibschinds and other well-known Loadoa capitalists, who are deictrined to make the elate 2 raleable ase by cazblishing indestion baildias surects, operaling clectric sramkajr, fenter and milwayt in ibat localits.

fires
S. \& R. Nixon's saw mill, Nictaux, N.S., has been burned out.

Fires have treen raging on the limits of the Pembruhe Lumlering Co.

James Calder's saw mill at Clayton, Ont., has been destrojed by fire.
The portalile mill of Harves; Bros., of Udora, was destroj* ed by fire a week since.
Bir. James Playfair's mills at Sturgeon Bay, Ont., were destrojed by fire on the 12 th ult.
Rolinson \&: Co.'s planing mill at West Selhisk, Man., was slightly damaged by firc on the Sth ult.
Graham's shingle mill at North Chaffey, Muskokia, was bunneri down the first week in the month.
Higgins' mills at McGregor, Ont., were destroyed by fire a week since The entire village was netrly wiped out.

Contractor Donald Grant says he lost 15,000 railroad ties bب: the recent fires along the Duluth and Winnipes railroad in Minnesota.
Forest fires are reported to be raging on the south shore of the St. Lawrence east of Father Poist, which are exceedingly bright at night.
Bush fires have been raging in nonkern New Brunswich, destroying much valuable timier and other property. Orer 100 miles of country has been derastated.
The saw mill of Paul \& IViseman at Harelock, Ont., was destroyed by fire the first week in June. Loss \$2,000. Insurance $\$ 1,000$. Thes will rebuild immediately.

On morning of 2sth ult., the beading and stave factory, Grey, Yiming $\mathcal{S}$ Sparling $C$., Seaforth, Ont., tras seriously drmaged by sire Protable loss $\$ 4, \infty 0$. Insurance $\$ 2,00$.

On $4^{\text {th }}$ uit. the mill belonging io Mr. Alex. Alres, on the shotes-of Par.y Sound, tras destroyed lr; fire, together with a quantiry of hardwood lumber. Loss $\$ 2,000$. No insurance.
The mill of D. Brown, Forresters' Falls, Ont., was barned dorn on morning 2nd ult. Inciuded in the conflagration was 75,000 shingles belonging to Mr. Jas. Darison, of Bench. burs.
Jackson's pulf mill at St. Raymond, Que., was totalls consumed by fire oo night q $^{\text {th }}$ ult The mill cost Si9,000. In surance abust one-i iird. About 40 hateds are thrown out of मosk:
Firegot into Whiteside's tent, at Huntsrille, used by his men driving logs on the river, while the men we:e away at work and consumed the tens, lankets, grub and the whole business.

The saw mills nithe Casselman Lumber Company, in the village of Casselman, on the line of the Canada Athatic railway; were completels destroyed by fire or night igth uit., 10 gether with a quanstity of lumber the property of the company. Eully insared.
The wareionses and dock: property of the Rathbun ageng. Belleville, Ont., had a narrow escape from destraction try fire os Sth ult. - A spark from the Firro, which had been lying in pors orer Sandas, lodiced in a pile of cti wood and the beary wind fanned it into a fame The steamer hands wete foriunately "on drck" and pretented what migh: hare benn a digastrors conflagration.
Oa 15 :h ult., a fire in the moods to the north-east of North Bay. Ont., fanned by a siroing breeac, thresteand diszsier to the tom, bat hy gersisten: =tionts of the townspeople, who wete rery ajy assisted by the Camadian Bacific railray cmployees, the bose was soon laid from the company's watis and jin siream poared into the fire, which with the pail brigade soon broeght the fire ender control withoat she lcos of a single brilding.
-The depol of MeIachlin Bros, Aylen lake, near Ring stoa, Onh, was burnad on sitin ult. The buildings sooli site from bresh sites raging in that section. As this is the prince. pal depoi on the Nadiawaska limits of itat firm, ibe loss will be rerf great-saidito-2mount to fylly 575,000 Nothing was sared except same barrels of form and prost, rolled to the sbore of the laic. The loss inelvdes over 6,000 leschels of oats, 100 toms of hat, slerghts, harness, fioms, pork and shanis material. Some of the setilers hare also swifered. Asiles of covatry are in flames, and ibe loss of ralmaie umber nata be creat. AicLachlin Eros, have sent a large number of men 10 figit the fres on cheir limite. Alea hare also been sent up
iu) J. F. boultive has hanas un the Madawasha, where the fites ate are aimotagity. It is teiniticil diat liveth s deput at Egan Estate, on the Madawasha, has been turned with all its contents.

## casualties

Mardinh Canuplell, uf Scalurth, Ont., lusi a finger in Broodfoot's planing mill on 26 th ult.
A man named Kemun, aged 63 years, uas druwned at Perlej $\mathcal{E}$ Pattec's lwom, Ottawa, un Gth ult
A tumor weighing six pounds was successfully remored from a horse belonging to the McI-aren-Kois Lumber Co., New Westminster, B.C.
John Sabiston, one of the employees of Mrartinur's mills, Faitford, Ont. was caught in the milling machinery and almost instantly killed.

A young man named Marcus, lost an eye at Watson Bros.' mill in Nidgetorn a few dajs since, from being struck by a piece of heading.
Ar. Harwood, whilst loading shingles at the lumber yard at Tavistock, Ont., was thrown from the waggon a distance of 25 feet, reciering severe injuries.
A man .amed Parke, an emplojee of the B.C. AI. T. \& T. Co's sactory, New Westminster, B. C., caught his arm in a boring machine and had a hole drilled into it.
A Large of Messrs. Brown $c$ Rutherford, of Selkirk, Man., rad aground a ferr days since and a iarge quantity of the lumber was blown of the deck by the high wind.

An employee of the B.C.M.T. \& T. Co., New Westminster, had a hand badly mangled on the itth ult., by the beaking of $a$ belt connected with a feeder he was managing.
A man named Mathews, working for J. Whiteside. Huntsrille, driting logs, had three of his ribs broken 2 week ago, by a rope breaking from its fastening and striking him.
A boiler explosion occurred on the premises of the Grand River Manufacturing Co.'s excelsior works a week ago, resulting in the death of Mr. Vim. Ariss, who was driving the engine.
A scon at Bradford, Gnt., loaded with lumber and lath, collapsed and sank, a few days since, and it was quite a picnic for the boys to gaiher up the lumber and place it on a barge wibich cane to the, rescue.
At the Conger mill, Parry Seund, the first reeck of the moath. Walier aloulton saffered a serere wound in the leg, throcgh bating a hook divien with considerable force into 2 point aear the abdomen.
Mr. John Venson, in the employ of Mickie $\&$ Dyment, Bradford, met with a serious accident on Taesday and ult. by which his spinc was injored and his body badly bruised. He was thrown from the lof carriage while in motion.
Mr. D. Suttor, of It. Arrhur, Ont., and who uas engaged bry Vigars Bros. in connection with the rork of pile driring at Fort William, while in the discharge of his duties kad ais jaw beac broken by a spike fiying through the air and striking him in the face.
RobertScort, lumber inspector, residing at Branford. On̈t., the latter pert of Misy, met. with a serious accident at North Bay. He altempted to board a flat car on the tracks while a train was in motion, and, slipping, fell with his foot on the track. It was so sereicly croshed that ine leg had to be amputated.
Two men namei Prquette and Tremblas lost their lives on the Gatinean, near Orawia. on the ith ult. They were at work at Aylcr's choie, which has three falis narroring at the the boitom, each one of which is worse than the Criaudiere. The men were swept orer these boiling waiers ro death below.
Frederick Eierman, an unmarried man, who bas been engared for some years past on Mir. J. R. Boorh's log railinay, between Lake Nipissing and the Matlama. mes with a rers painful accident on zoih als. In endearnsiag to escape from 2 stici of cordrood that had fallen from ..e top of the engine iender, he slipged and was shrown treavily against a pile of ties at the side ol the road, breaking his leg below the kree and sesiaining other injuries.

## PERSONA:

Str. Isace Corkhern, one of the lamber kings of Alusioka. bas reterned home from a top to the Pactife cosst.
Mr. Frank: Nolan, head sawyer for I. D. Sminh \& Sras, of Franks Bay, is holidaying with his lamily as Anges, Ons.
Mis. Wi. R. Thompron, wh:olcale lumber merchant, Tees. watcr, faroeed TuE Lusinetivan with i call on izih dit.
Mr. J.A. Spaulding, wholesale lamber deales, Mhitadelphia
 with a call darian the pest month
Mr IV E Dodfe of Niew Tiori., prexideat of the Georgian Bay Consolidated Lxmber Ca, with his famils =re pelling in a Facation =mid the Sraskoka lakes.

## TRADE RETIEW.

## Office of Canada Luablerman <br> June 30th, 1891. .

IT CANNOT be sald, that there has been any remarkable activity in trade circles during the month. Mid-summer is near enough to void any thoughts in this direction now. Nor do any discouraging features exist; two small failures only are to be recorded in local trade circles; whilst the expectations of country trade are hopeful. The depression in bulding in the city has its basic origin, as we have pointed out before, in the falling off in speculative building, caused by the unsatisfactory conditions of the real estate market. This must be viewed as a healthy omen of the future, rather than the opposite. Speculation in any line of trade, though giving at times a spasmodic push so business, is never enduring, and will always be followed by reaction and disaster. Even business men, noted for caution and shrewdness, in their regular business undertakings, lose their heads, when the spirit of speculation-developing into a species of gambling-takes possession of them ; whilst the "smaller fry," when the storm is over are like to the sands on the seashore in number; to be found scattered, hither and thisher, and every; where.
Country trade is dependent on the harvest. It is carly yet 10 prognosticate with any measurable certainty of hitting the mark. The outlook, however, at this writing is fairly promising. In westem Ontario the prospects have more than a single ray of sunshine to l:ghten up the future, and savellers tell us that they anticipate a good demand for lumber in these parts in the fall.
An abunrant harvest will of course affect trade everywhere. When the "farmer is on top," the commercial thermometer, wherever placed, will rise. Money once more moving actively and there are "none too poor" not to feel its benefits
The best of the season's trade with the States is over as is shown by the falling offin shipments to the other side during the month. The shipment of deais from Ottawa to England this year has exceeded that of any previous year. It is stated, that all the stock deals in England are sold, and that green deals, fresh from the saw mill will be shipped by the end of next month. Ocean freights for deals are very low this year.
Prices are about the same as last month. For higher grades, this of course is an improvement on the figures of a year ago. Inch and a-half and two inch stuff is bringing at ieast three dollars more than a year ago. Shingles are in lange demand, all our mills running day and night, and prices firm. The impression is abroad, that a good many logs are hung up, and if they should emain in this shape, future prices would be influenced thereby. It is true, that this was the case the early part of the month, but there has been an active move ment within the past two weeks, and a good many logs that; werejout of sight, so tospeak, are now coming along nicely: We have heard of two or three specificinstances, where as yet the hanging up condition holds control, but we have no reason to suppose from the reperts in our hands, at this writing, that this will be at all general.
Business in New Brunswick is experiencing a set back, as a result of a strike among the mill men. On zgth inst the mill-owners posted notices in the mills announcing that after July 13 th 10 hours would con stitute a day's work. On seeing these notices the men in stantly stack, and that nisht held the largest labur meet ting ever seen in St. John. The strike will paralyze the entire lumber business along the Si . John fiver, except Gibson's and may seriously inierfere with next season's loggine operations. It will also strike a heaty blow at the schooners irnding with American ports, which largely depend on lumber to make up their cargoes. Some 2,00 men are now idie, and all the mills are shu donn with prospects of remaining so for the season.

UNited States.
The labor strikes, especially in the easiern Siates, that threatened the irade a monith ago, are not an active factor todal; but the aftemath is there, and it is an illustration again of the aphonsm, "sinite but hear." To the exient that the strikes and boycotts of a month past had an existence, in ihat measure irade has been injured -and the sirikers, along with all oihers, have been hit. Trade is better than it was a month ago, because the the strike is oñ, but no great activity pretails.
$A$ hand 10 mouth policy in buying is reported at the principal cenires. A desire to make sales, but not many to be made. In Michigan we hear of a weakening in prices of several grades. From Saginau comes the story zhat old jime buyers are not shouring up as they used to do, indicating that the markets are changing and that other points are being selected as centres of buying.

Name ciealers are realizing the antuence of Canadian cartrade. A report from Porland, Mc. reads: "Nith the number of mills sauing, reinforced by tae Canadians, who are becoming a large facior in the car trade, sith the heary stocks that are being throun on the market from the east, the indications are that prices for some time will not be more than fair."

The Australian market is reported exceedingly-dull, a circumstance that is having some effect on trade in British Columbia. The conditions of the English market are reported more favorable than they have been for some time past. The arrivals chronicled at the London docks for the week ending 13 th inst are the henviest of the season, but they dn not come up 10 those generally' reported at this advanced period. The first arrival from Quebec is reported, being the steamer Bede in the Surrey Commercial Docks, with a cargo of about, 1,300 standards of pine. The hardwood market is somewhat quite.

Toronto, Ort.
$1=23 \mathrm{in}$. Cut ear or cargu ions.

$1 \times 10$ e 82 dressing
$3 x 10$ e 12 common

$1 \times 10$ a 12 mill culls.
Inch clear and picks..........
z irch dressing and beiter
inch siding mill run
I inch siding common.
s lach siding ship culls
sinch siding mill
Cuch siding mill cull

inch sirips common.
3 inch flooring

Lath. No 1
Yard Quotations.
3fll cull boards sescantling






Shingies and Lats


Buffalo and Tonawrida, N. Y: Buffalo, June $30,189 \mathrm{~m}$.


## Boston, Mass.

Boston: Inde 30, 1892.
Westem Pira boron,



Nios. 2,283
 Westro piaccläpüds

Sfrace-by Eargo.

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Sproce by carco Lath.


## THE LUMBER TRADE.

Opinions of Two Leading Bank Managers.

$I^{N}$N HIS annual address, to which editorial reference is made elsewhere in these columus, Mr. Geo. Hague, general manager of the Merchants Bank of Canada; said:

The great timber manufacture of the Ottawa Valley that fnally centres in Quebec met with a serious reverse last year. Overproduction flooded the English market, and such a serious drop in prices ensued as to market, and such a serious drop in prices ensited as to
cause heavy losses to exporters. We had in this decause heavy losses to exporters. We had in this department of trade some striking illustrations of the evil
referred to, namely, of parties with only moderate capial engaging in enterprises far beyond their means and being completely runed in consequence. Our own share of loss in this quarter has, however, been very moderate. This urade is gradually: recoverng itself through a heavy decrease in production.
The sawn lumber trade with the United States has proceeded with much more regulanty and there is every prospect of a good demand for another season. The inarkets of the States are not overloaded, and there is no reason why a good season's trade may not be expected. The.great question of the conservation of our forests has not come to the front yery promunently as jet, but it must receive attention before long. The question of how to make the best use of the trees of every description, large or small, that are growing in the woods, is being solved in a practical manner by a firm in Ontario. It could hardly be supposed that articies so diverse as lumber, paper, terra cotta and alcohol could be produced from our trees, but such is the fact. The decelopment of our various paper-making factories, the rall material for which is largely obtained from our forests is proceeding stcadily year by year. These are only examples of the various nev and undreamed of uses to which our forests can be turned, and doubtless as experiments are tried, new developments will await us.
Mr. B. E. Walker, seneril manager of the Bank of Commerce, the largest banking institution in the Province and second in the Dominion, said :
The trade in square timber, in which, as I said a year ago, we have little or no interest, is not yet in a healthy condition. There is still in sight more timber than the total product of any year since 1881, although the amount made in the past yeat is only about onefifth of that for 1889.90 . It is therefore to be hoped that next winter the quantity manufactured will be as nearl; nothing as may be possible. The work in the nearly nothing as may be possible. The work in the
woods has been done under favorable circumstances woods has been done under favorable circumstances
and the output is correspondingly cheaper than in reand the output is correspondingly cheaper than in retunately the resultof lowerwayes. Since the maximumeut of logs cut in the Uutana district, in isSi-S, the stock in hand has been steadily falling, we are glad to notice, and is now lower than on any but two of the last ten years. The demand in the United States is satisfactory, at prices higher than a year ago, but the South American market is still wanting. As we have said in past years, a diminished production is all that is necessary to give the lumber business a quite satisfactory sone, and at the moment the Ottawa manufacturers have fair profits in prospect. The output in the North Shore district is also smaller, but the general conditions of the business are not as farorable as could be desired. The home market, on which they largely depend, is very limited, owng to the collapse in real estate speculation and the general shrinkage in business.

AN AMERICAS contemporary refering to the extensiye mills of Mr. J. R. Booth on the Chaudiere, says: "We believe at no mulling point on the Amerrcan con:inent ourside of Canada has any mill man stamped the boards which came from his saws. When a mill man does that it is very cvident the: in his opinion the lumber is manufactured in Al style" And this, of course, is the reason why our American friends are constantly in quest of Canadian lumber.

## CHIPS AND BARK.

It is a wise old saw, that knows its own broken teeth. A tree leaves every string, but does not take its trunk along.

Brokers are kind-hearted people. When they find a man who isn't in it they take hill in.

So far as lumber manufacture is concerned, the band saw may be said to be in it.
"Pati's voice must be of wonderful timbre, don't you think so" Van Pelt ? "Yes. Judging by the price of tickets it must be sandal-wood."

Popularly speaking, when a man is "up a tree" he is supposed to have an advantage of some sort, but when he is "up a stump" it is quite a different thing.
California has 2,675 of the grant trees still left, and the largest of these is thir:y-three feet in diameter. They ought all to be preserved and kept in a public park.
Never judge a man by his appearances. A shabby coat may contain an editor, while the man wearing a high-tuned plug hat and supporting a dude cane may be one of his delinquent subscribers.
Scotland imports tinber to the value of $515,000.000$ annually and at the same time has $7,500.000$ acres of waste land weil suited for tree cultivation. That so thnfty a people as the Scotch should permit such a state of things is rather peculiar.
"The greatest piece of luck I ever had," said P'eter Cooper, "was investing the first surpulus money I earned in a lottere ticket. I lost, but I gained this experience: that the wheel of fortune is oniy turned by common sense applied to common events."
A negro who siopped work on a Georgia railroad gave the following reason: "Wfll, you see de Macon Destruction Comp'ny busted and de road is bin put in de hands of a deceiver, so 1 jus quit." That darkey was wiser than he knew:
One of the most important questions the logger asks himself at this season of the year when water may be a valuable article, is, "Are my dams all right ${ }^{3}$ " If not all right he is liable to make twin dams right on the spot.
It is said that Samson was a liberal advertiser. He took two solid columns to demonstrate his strength, and several thousand people "tumbled" to the scheme at once. In fact he brought down the house.
The simple machine, with rope and block and tackle equipment, used for hoisting by stone-masons and other builders, and known as the "derrick". got its name from a renowned hangman in England, in the setenteenth a renowned hangman in England, in the setenteenth gibbets for executions bs hanging.

Price cutting is a thing that is continually-deprecated and pronounced against, yet it crops out everywhere and in every line of trade. There seems to be some kind of microbe in the business that breeds low prices in spite of all the preventives that can be emploved. The chaim that a dealer is being undersold generaily acts upon his feelings like a red fiag flaunted in the face of a bellingerent bull.
Read this, ye ordinars snake-story hars, then hide your diminished heads in shame. While a large pine log was being sawed into lumber at Brown \& Hall's sall mill near Acton, Ont, after the outside slab and one board had been cut off, and while the workmen were tuming over the. log preparatory :o "squanng" it, they were surprised to see a lange toad poke his head out of a hole, where he was embedded, and where he had barely escaped being cut up.by the saw. As the log was the fourth or fifth up from the butt of the tree. his position must have been at least 50 or 60 feet from the ground. There is bui one way of accounting for the fact that he was found in the position named. He had grown up with the tree from infancy; and was probably hundreds of years old when the saw awoke him from his long nap

The wood-pile is a farm factor of great importance, and whoever neglects it quarrels with his dinner, and and whoever neglects it quarrets with his dinner, and
may be compelied to contend with hunyer. Vear cities may be compelied to contend with hunyer. Xear cities
faimers may burn coal but generally the fuel is wood, famers may burn coal but generally whe declare that the forests are receding and soon will disappeas: The wood pile may serve as a sign, and make known the methods of the farmer. If the pile be bug in the spring, then it is known that the owner does not intend to be disturbed in the busy season, about ten oclock in the morning, by the cry from the house, "If you want any dinner, you must cut some wond." If there be only a dinner, you must cut some wond. chopping-block and a fell uncut sticks ing around,
then it is evident that the house keeper, in addition to other cares, must worry about the fuel supply.
A new use has been discovered for the circular saw. Every lumberman is familiar with the music which that useful saw mill accessory produces when it is in successful operation on a log, and to many its energetic and permeating cound has much of melody. But it remained for a charivari party in the town of Sullivan, Nich., to develope the full extent of musical capabilities that the circular saw possesses. These they brought out on the occasion named so successfully that the charivaried groom brought suit against them for damages. In his complaint the groom, Mr. Warren Atkins, sets forth tha: both himself and wife are perfectly willing to condone the use of tin pans and boilers as musical instruments, and that they are even content to excuse the filling of the domestic stove-pipe with the fell purpose of smoking them out ; but they draw the line at circular saws. "Therefore they ask the court to assess damages against the leaders of the charivars party to the amount of $\$ 5,000$.

## LUXURY AT SEA.

A skip o'er the ocean wave,
A plunge through the bounding decp,
While tile sweat my temples lave And my bow's their revels keen
-My mouth is full of brine, My hair is tuming gray,
The chills creep up my spine0.00 .0 h , alas ! and alack a day ! Lord, kindly still this sea, And its evetlasting roar ! If I ever get back to the old saw mill I'll ne'er go sailing more.

Look on your wrapper, it tells when your substription expires.
The Lumberman is one of the best trade papers publishea in Canada. - British Colz in Commercial Journal.

DURING the month of May of this year the exports of forest products from the Dominion of Canada fell off $\$ 2,000,000$ in value compared with the similar month of last year.
A Washington lumber company recently received an order from Australia that calls fur $20,000,000$ feet of lumber. Twenty-five large ships will be required for its transportation.
The revenue derived from the woods, forests and lands belonging to the lintish crown amounts to over $\$ 2,500,000$ annually When Queen Victorna came to the throne she exchanged these revenues for a yearly sum of $\varsigma_{1,9: 5,00}$.
"Courie May," is the name given to a new steamer constructed this season for Angus Friser, of Comox, B.C. ihe is 62 feet long. $\mathrm{b}_{\mathrm{y}}$ if feet beam, and it is said can make 13 knots an hour.


## WILLIAM FOSTER

Lumber \& Commission Merchant Receiver and forwarder of LHMBER, LAIH \& SEINGLES Correspondence Solicited.
OWEN SOUND,
ONT.

## J. D. SHIER,

yanufacturer of
Lumber, Iath and Shingles
BRACEBRIDGE, ONT.
T. SHORTISS,
deazer is
PINE \& MINERAL LANDS 9 Toronio Street,

## toronto,

matented jTH March, 1877.

## PERKER \& EVENS.

Solo Proynterens of the

## FAMOUS INTERNATIONAL

## BUILER - FLUID - CDMPDUNT.

It eradicates scale, and when the Boiler is once Clean a very small quantury keeps it clean and free from all inerussation. One fourth the deac will prevent a new fibiler from scaling so long as it is used regularly:

Contains no Caustic Soda, and is the only matter yet known that will not injure metals in $2 n y$ way, zad cmits a clear pure steam.
 out

SHORT HEAVY KNEES, with roller at top, moved with heavy steel screws.

SET WORKS are our improved power set, actuated by steel cable and intirely under the control of the setter.
LOGSEATS open any distance from saw desired. Carriages made any length.


FEED ; Carriage is driven by our Oscillating Engines, with i+ $x 20$ cylinders, making an exceedingly strong and uniform feed.

## Champion Gang Edger.

The wide Cants 50 to 60 inches wide, 6 to 9 inches thick, are dropped on rollers and run through the 6 saw
 Champion Edger, using 6 Hoe bit tooth saws, ripping them into all sizes of dimension timber.

The 4 machines described above, with 6 ,blocks in the carriage, will weigh in the vicinity of 35 tons.

Send for Circulars and Estimates on full Sawmill Plants.
Waterous Engine Works Co., BRANTFORD, CAN.

WANTED AND FOR SALE. Adrertisements will de inserted in this defart.
 When four or more sinschithes thsertishs are
ordertd a discount of 25 fer cent. weill be alloned. ortered a ditscount of 25 fer cemt will be allotied.
This notice shows the
wuth in Nonfareil tyte. didrertisements must be rc cived not later ing the zith oi sach month to

## PLANING MILL FOR SALE.

THE undersigned offer their Planing Aill for machiner;, Price and terms on application. Ad. dress. JNo. WOOD W SoNs.. Cor. Front And Erin streets. Toronto.
For Sale or Will Exchange for Saw Mill Machinery.

 Wheh there stet ingrge wo storey dwelling houso and store, with large cellar, good cistern. riesh storer house. stables. shiteds, and good plumi or
chard Learing. Address. W. J. MaLLARD. chard Luaring, Adress, W. J. Mallard.
Oxenden, Ontario.

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NOTICE is hereby given that it is intended to hold an examination of candidates desiring to be liceused as cullers at each of the undermentioned places and dates, and that the places and dates of which notice was formerly given, have been cancelled.

Ottawa, Sudbury, Peterborough, Belleville, Bracebridge, Parry Sound, Arnprior, and Rat Portage, on Wednesday, 15th July, at 10 o'clock a.m. Sault Ste. Marie and Port Arthur, on Monday, 20th July, at 10 o'clock a.m.

Spanish River Mills, on Friday, 17th July, at 10 a.m.

Candidates will have to make a written application and pay the fee of four dollars on or before the day of examination. AUBREY WHITE,

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2. Inste
2. Instead of by grant in fee simple mining land acre rental, unless otherwise yixed by reculation of SI for the tirss year and 25 =ents yearly there atter if noth of Lake Nipissing and the French
and of atawa Rivers. or of 60 cents for the first year and 15 cents yearly thereafter If situated else. where. With right of renewal at the expiration for an additional ten years at the same rental, and with a right of renewal thereafter every twenty
years, subject to payment of the yeaty rent charge subject to payment of the yeatly rent be provtded by regulation. But the lessee may at any time purchase the land so held. in which case the first year's rent shall be treated as part ontepurchasemones. leased by the Crownafter the ath day of May, 1 sor. is required during the first seren sears to expend in actual mining operations \&s per acre if the 160 acres or less.
minerals of silver day of May, as9n, all ores or minerals of silver. nickel or nickel and copper suben from tands sold or royalty of 3 per cent., and all other ores or minerals to such royalties as shall from time to time be fixed br order in council, not ex. ceeding in the case of iron a per cent.. and as to any other ofes or minerals not exceeding 3 per
cent.iand such royalties shall be calculated the value of the ores at the pit's mouth. 'But royalties shall not be imposed or collected. upon ans ores until after seven years from date of the patent or lease. except as to mines known to be 5. Hereafter in all lands sold under the Public Lands Act. or for agriculsural purposes. all minerals and mining rightsare reperved to the or grant, 6 in the case of mining lands for which bona 6. In the case of mining lands for which bonafide application was made in writing to the Department priof to the 2 th of April. 1891 , grants may three moriths from the th day of May, son and othernise at the prite and upun the conditions heretofore applicable in atcordance with the ierms of section 1 . subsection 5 of the act of 2 Sigt
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