## Technical and Bibliographic Notes / Notes techniques et bibliographiques

copy a may be of the significant	nstitute has a available for be bibliograp i images in th icantly chan ed below.	filming. F hically unione reproduc	eatures of que, which ction, or v	f this co h may a which m	opy whi alter an nay	ich Y			lt e: b rr d	ai a éi xemp ibliog eprod	tut a r té poss laire q graphic luite, c a máth ous.	ible de ui son lue, qu ou qui	bena ti ben t ben e se b	rocure t-être ivent ( ent ex	er. Le uniqu modif ciger u	es déta les du ler un lne mo	iils de point e imag odifica	cet de vu e tion	10
	Coloured co	-									Colour Pages d		•						
	Covers dama	_	ée								Pages d Pages e	-		e <b>s</b>					
	Covers resto Couverture	-									Pages r Pages r								
	Cover title n Le titre de c	_	manque							_ ,	Pages d Pages d								
	Coloured ma Cartes géogr	-	n couleur								Pages d Pages d								
	Coloured in					•)					Showtl Fransp	_							
	Coloured planches et/										Quality Qualité				ressio	n			
1//	Bound with Relié avec d									i i	Contin Pagina	_	-		,				
	Tight bindin along interio La reliure se	r margin/								- 1	nclud Compr			•	ex				
	distorsion le	long de la	marge int	érieure							Fitle o Le titr								
	Blank leaves within the to been omitte	ext. When d from film	ever possi ning/	ble, the	se have	<b>;</b>					Fitle p Page d	_			son				
	Il se peut qui lors d'une re mais, lorsqu	stauration e cela était	apparaiss	ent dan	s le tex	cte,				- 1	Captio Fitre d			la liv	raison	ı			
pas été filmées.								Masthead/ Générique (périodiques) de la livraison											
	Additional o			Wrin	nkled	pag	ges 1	may	film	ı sl	<b>i</b> ght	ly o	ut o	f fo	ocus.	•			
	tem is filmed cument est f					-	ssous												
10X		14X			18X				22X				26X				30.X		
	12X		16:	K	- Texasin	- y	20X				24X	-			28X		<del>e <u>e re</u> per la comp</del> ete de la compete de l		32X

# UMBERMAN ANADA

WEEKLY FDITION

The Lumberman Monthly Edition, 20 pages ) \$1.00 per year { The Lumberman Weekly Edition, every Wednesday

THIS PAPER REACHES REGULARLY THE PRINCIPAL LUMBER MANUFACTURERS AND DEALERS THROUGHOUT CANADA, AND WHOLESALE BUYERS IN GREAT BRITAIN THE UNITED STATES AND OTHER FOREIGN MARKETS.

VOL. V.

TORONTO, ONT., AUGUST 9, 1899

No. 29.

## CANADA LUMBERMAN

#### The G. H. Mortlmer Publishing Go'ü of Toronto, Limited

Confederation Life Building - TORONTO.

Branch Office: New York Life Insurance Building, Montreal.

Weekly Lumberman, published every Wednesday Contains reliable and up-to-date market conditions and endencies in the principal manufacturing districts and leading domestic and foreign wholesale markets. A weekly, medium of information and communication between Canadian timber and lumber manufacturers and exporters and the purchasers of timber products at home and ahroad.

Lumberman, Monthly. A zo-page journal, discussing fully and impartially subjects pertinent to the lumber and wood-working industries. Contains interviews with prominent members of the trade, and character sketches and portraits of leading lumbermen. Its special articles on technical and mechanical subjects are especially valuable to saw mill and planing mill men and manufacturers of lumber products.

ET Subscription price for the two editions for one year, \$1.00.

## AUCTION SALE, SEPTEMBER 7TH, 1899

Will be sold at Auction, by order of the Supreme Court, under the direction of Austin B. Fletcher, Esq., Receiver, on Depot Square, at White Plains, N.Y., on THURSDAY, SEPTEMBER 7TH, 1899, at 1130 a.m., the Lumber and Coal Yard formerly owned by the John W. Young & Sons Company, at White Plains, N.Y., the County Seat of Westchester County. Population 8,000 to 10,000, on the line of the New York & Harlem Railroad, 22 miles from Grand Central Depot, New York City.

Two-Storey Frame Office Building, Iron Clad Elevator (capacity 85,000 bushels), Large Brick and Frame Planing Mill and Wood-Worker, ample Coal and Lumber Sheds, abundant Trackage, Wagon and Track Scales, located on two sides of the Square at the Station. Will be offered in parcels and as a whole.

Also, at the same time and place and under the same order, the Lumber and Coal yard lately owned by the same Company, situate at the Station at Tuckahoe, also on the New York & Harlem Railroad, 16 miles from Grand Central Depot. A smaller ard than the former, but very complete in its appointments; Office Building, Coal and Lumber Sheds, comparatively new, in good order; side track, scales, etc.

Two grand opportunities for a live man. For maps giving full particulars, terms of sale, etc., apply to

AUSTIN B. FLETCHER, Receiver, 32 Liberty St., New York City.

οr

W. B. TIBBITS, Auctioneer, White Plains, N. Y.

#### WANTED AND FOR SALE

Advertisements will be inserted in this department at the rate of 15 cents per line each insertion. When four or more consecutive insertions are ordered a discount of 25 per cent, will be allowed. This notice shows the width of the line and is set in Nonparcil type; 12 lines make one inch. Advertisements must be received not later than 4 o'clock p.m. on Tuesday to insure insertion in the current week's issue.

LUMBER BUYER AND SHIPPER OPEN FOR ENGAGEMENT; COMPETENT to take charge of yard, if desired; experienced. Box 22, CANADA LUMBERMAN.

FOR SALE.

COMPLETE SAW MILL MACHINERY, PLAN ing, Sash and Door Machinery; medern and in good condition. Can be seen at Toronto. Apply PETER RYAN, Toronto.

#### DO YOU WANT A BOOKKEEPER? COMPETENT-AND RELIABLE, WITH EX-

"Cashier,"
Co Canada Lumberhan.

WANTED.

AR LOAD LOTS OF DRY SOUND OAK AND
Soft Eim Beards, 1, 1/2 and 1/3 inch thick, 7 and
1/4 feet lengths, 4 to 26 inches wide or wider; quote
lowest prices c.i.f. London. Also Spruce Pulpwood,
full steamer cargoes; quote free on board, or c.i.f.
Manchester. Apply "X.V.Z.," care Canada LumBERNAN.

#### FOR SALE

A FIRST-CLASS LUMBER AND SHINGLE A Mill, average capacity per day 35 M feet lumber, 70 v. shingles, and 15 M. lash; situated in Huntsville, close to the G.T. R. station, with sidings to mill; plenty of virgin pie. Alvo a first-class site for a tannery, lenty of tan lark. Will be sold at a bargain. Apply to T. WHALEY, Huntsville, Ont.

#### BOX SHOOKS WANTED.

Canadisn manufacturers who are in a posi-tion to supply spruce or pine box shooks for the British market are asked to send their address to this office. We have an enquiry for address to this office. We have an enaction a considerable quantity of such stock.

# Sale of Timber Licenses

## PROVINCE OF NEW BRUNSWICK

There will be sold at Public Auction, at the Crown Land Office, Fredericton, on

### WEDNESDAY, 30TH AUGUST, A.D., 1899,

and following days, the vacant unlicensed Crown Lands in the Province of New Brunswick.

573 berths will be offered, ranging from 2 to 10 square miles each. Upset price \$8.00 per square mile.

The present regulations provide for licenses to be renewed each year for a period of 18 years from 1st August, 1900, at a rate of \$4.00 per square mile, in addition to stumpage.

Further information of Sale can be obtained from Crown Land Office, Fredericton, N B.

A. T. DUNN,

Surveyor General.

#### CURRENT TRADE CONDITIONS. ONTARIO.

Dealers who have visited the saw mills of Ontario report that there is very little dry lumber to be purchased -some small stocks of pine and less of hardwood. For the season of the year the available supply of pine is much below the average, most of the manufacturers having sold their cut at very satisfactory figures. Some shipments are being made to the United States, and British orders are also receiving some attention, but the present situation is due in no small degree to increased local consumption. During the past week, while all grades of pine have been in good demand, there has been a noticeable increase in the movement of finishing lumber, as many large buildings commenced early in the spring are now nearing completion. Buyers from the Eastern States are visiting hardwood points in Ontario in search of stock, but with little success, as the bulk of the cut has already been contracted for. There is a great scarcity of lath and shingles, and higher prices are predicted before the close of the season.

#### OUBBEC AND NEW BRUNSWICK.

In the province of Quebec the condition of the lumber trade has improved of late, due to an expansion of building operations and to a larger export business. Manufacturers who have stock for sale show no anxiety to dispose of it except at high prices, being satisfied that there will be a scarcity of stock in the fall, and a consequent advance in values. In hemlock and spruce boards and cedar shingles a considerable trade is doing with the Eastern States. Freight rates from Quebec, as well as from the Maritime Provinces, have stiffened within the past week, and shippers have acceeded to the demands of vessel owners only when urgency compelled. Present indications, however, point to continued firmness in freights. The spruce stocks in New Brunswick are very low, and inasmuch as the cut of some of the mills for the balance of the season is contracted for, there is not likely to be much stock available for purchase this fall. Advanced prices are almost certain to rule.

#### UNITED STATES.

The lumber market of the United States is bordering on the sensational, and but for the knowledge that the improved conditions are based on a solid foundation, there would be reason to believe that a speculative boom had struck

the lumber business. On July 20th the wholesale dealers at Minneapolis made an all-round advance of 50 cents per thousand on pine. This, in the midst of the summer season, was a surprise, but ten days later a further advance of \$1 on lumber and 25 cents on lath, effective August 1st, was announced. This advance places lumber on an actual selling basis of \$13.50 for short piece stuff, a gain of \$3 since the first of the year. The decision of the wholesalers was arrived at in order to have some lumber for the winter and spring trade, or, in other words, to keep off buyers. Eastern dealers are still in search of stock of all kinds, but particularly box lumber and mill culls. At Ashland, Wis., \$8.75 per thousand is being offered for pine mill culls, but even this price fails to secure any quantity of stock. In Michigan nearly all the lumber manufactured is being consumed by local industries. In New York work on buildings is being abandoned on account of the great cost of building material, including lumber. Considerable stock is being received at Buffalo, but dealers report their inability to get anything ahead, so great is the demand. The box makers there expect a good season's trade; they are now turning down orders, sometimes owing to scarcity of box material. There is still a pronounced shortage in hardwoods, and prices are as firm as ever. Prices of .maple, which last week showed signs of :weakening, are now firmer and expected to remain at about the present basis. The great scarcity pertains to oak and ash.

#### FOREIGN.

Reports from the British market state that the imports of wood goods during July were unusally light, and the wholesale market is at a standstill on account of lack of supplies. The stock arriving is largely contracted for, a feature of the trade which is responsible in no small degree for the present strength of the market. The greatest activity pertains to spruce, which is steadily gaining ground and advancing in price. At London 3 x9 third quality spruce has lately become much firmer, while pine of first quality commands high figures. At Tyne ports prices remain firm for all classes of timber and deals, 11 in. being in great demand and by no means plentiful

The South American trade has so far this season been unusually active, large shipments having been made from the eastern provinces. West India orders also represent a considerable volume of business.

#### STOCKS AND PRICES.

A recent sale of No. 4 boards was made f.o.b. mill in northern Wiscons in at \$10.50.

The Amherst Lumber Co. will saw 2,-000,000 feet of lumber this season at their mill at Tangier, N. S.

An exchange says that J. & T. Charlton shipped their first raft of logs to the United States last week. They have still a lot of logs which must be cut in Canada.

J. T. Horne has purchased from the Bank of Montreal the mills situated on the Kaministiquia river, at Fort William, and formerly owned by Graham, Horne & Co.

The firm of Clarke Bros., of Bear River. N. S., will this season ship between 8,000,000 and 9,000,000 feet of lumber, which is nearly double that shipped in any previous year. They have already loaded a number of vessels for South America.

Mr. A. D. Cameron, of Ridgetown, Ont., has purchased a timber limit of 2,-

200 acres in Algoma, together with saw It is estimated that there is on the limit 15,000,000 feet of tumber.

The Fredericton Boom Company have rafted 21,066 junts at Douglas boom during the season, containing 6637,200 feet cedar, 1,858,740 feet pine, and 48,069,646 feet spruce, a total of 57,165,586

The Saginaw Lumber & Salt Company are having some logs manufactured at the mill of the Spanish River Lumber Co. at Spanish River, Ont. The lumber has been sold at good figures, the buyer paying the duty

The spruce manufacturers throughout the Eastern States are holding firmly to prices. It is expected that, owing to the decreased production, another advance will be made next month. Many of the small mills are closed down on account of the low water.

The Trout Creek Lumber Co., under the name of Buckel, Bechtler & Burk, have completed their season's cut at Trout Creek, only reserving a few extra long logs for special orders. Trussier, Bros., at same place, have about finished sawing for the season.

Nearly 12,000,000 feet of lumber was Nearly 12,000,000 feet of lumber was exported from St. John, N.B., in the two weeks ending July 22nd Of this, 8,540,000 feet was for British ports, 2,845,000 for the United States ports, and 450,000 feet for Santa Cruz. To United States ports went also 8,500,000 lath, 2,869 pieces of piling and 530 cords of wood.

The bark Douglas sailed from Yarnouth, N.S., last week for Buenos Ayres, with 555,000 sup. feet of lumber; the Esperia, from Tusket Wedge for Oran, with 380 standards of deals; and the Mississipp, from Yarmouth, with deals, to west coast of England.

The following rafts have been entered The following rafts have been entered at the Superviser of Culler's office, Quebec, since last report: Hon. J. K. Ward, at Cape Rouge, pine; Wn. Mackey, at Cape Rouge, pine; Fraser & Co., at Bridgewater Cove, pine; Thos. Mackie, at Cape Rouge, pine; Perley & Klock, at New Liverpool Cove, pine; A. Sharples, at Silery Love, pine, oak, elm etc. at Sillery Cove, pine, oak, elm, etc. . .

Following is a comparative statement timber, &c., measured and culled at Quebec to August 8th, 1899:

	1897.	18 <b>5</b> 8.	1800.
Wancy white pine, cu feet.	2,672,441	,291,193	1,381,753
Square white pine, cu. feet.	. 571,536	952,064	520,232
Red pine, cu. feet	127,153	155,571	141,810
Oak, cu. feet		638,8 0	465,770
Elm, cu. feet		410,785	415,497
Ash, cu. feer	87,473	8,838	\$5.374
Basswood, cu. feet			~.
Butternut, cu. feet		887	60
Tamarac, cu. feet		-	415
Birch and Maple, tu. feet	184,348	106,592	231,946

A gentleman who visited the Rainy River district reports that he found the log cut on the Rainy river list winter amounted to 64,000,000 feet, of which 40,-000,000 was cut on the American side the river and 24,000,000 on the Canadian side; that in addition 250,000 ties were cut. Of these, 150,000 were cut on the American side and 100,000 on the Canadian dian. The logs were all shipped to Rat Portage, excepting about 5,000,000 feet, which are being sawn at local mills on the Canadian side of the Rainy river. Of the ties, 116,000 were cut for the Ontario and Rainy River Railway.

There is a steady demand for all classes of cooperage stock at Buffalo, dealers still finding slack barrel hoops so scarce that no quotation is proper, as the price paid is largely a matter of dicker. The call for apple barrel stock is strong, as at least a fair crop is looked for. The supply of basswood is larger than formerly, though it cannot be called plentiful by any means. It now looks as though there would be It now looks as though there would be material enough to carry the trade through the season, which is better than was predicted early. Hoops are coming into market more freely, and ought to be in usual stock soon. There is less than the average movement of flour, but other commodities demanding barrels, especially cement and sugar, are strong. Jobbers quote No. 1 flour barrel staves at \$6.75 per thousand; log run, \$5.25 to \$5.50, and No. 1, \$4.50 to \$4.75 Basswood heading, 4% cents per set. THE AUSTRALIAN MARKET.

Of the Australian lumber market Messis. Fraser & Co., Melbourne, say:

Business during the past month has been chiefly confined to stocks in the yards, in which period fairly good sales have been carried through, principally to meet the requirements of contracts arranged for building operations fixed within the town and suburban districts, where distinct improvement has been shown of late. Enquiries from the country outlets are still of no great importance, and not until the still of no great importance, and not until the demand increases from that quarter can we accurately gauge the probable position of the market for the near future. The continuous rains which have fallen within the past two months have, doubtless, militated against large supplies being sought for from the internal parts of the colony, but we are hopeful that in the coming spring season a better consumption will be experienced in the country districts owing to the great benefit that must ensue from the late and present rainfall.

At the moment stocke on hand, in conjunc-

At the moment stocks on hand, in conjunc-tion with shipments shortly "to arrive," appear equal to meet all demands likely to be made upon them for the next few months, while as a fair number of fixtures have been concluded from the customary sources of export, we therefore judge that supplies in the future will not be below the wants of the market, even though an increased business be manifested in the colony generally.

increased business be manifested in the colony generally.

With the exception of Oregon, which has meantime slightly advanced in value, prices otherwise are practically unaltered, and are not likely to advance to any serious extent for the present, as business does not usually brighten in the winter months, and for the reason that most of the distributing mill firms hold fair supplies of such timber which is in most consumption here, purchased at rates under existing laid down cost of the same. Until these stocks are about exhausted, we can scarcely stocks are about exhausted, we can scarcely shown, so far as market values are concerned.

Spruce and Baltic White Deals—Im-

SPRUCE AND BALTIC WHITE DEALS —Imports, nil. Several thousand pieces of Canadian deals have been placed for local wants. Values are from 2½d. to 2½d. per foot of 9 x 3. OREGON PIGE.—Imports, 1,856,000 feet super. Arrival: Hawaiian Isles, from Chemainus. About 1,200,000 feet have been placed during the past two months "to arrive," from the above cargo.

#### AN OSWEGO BRANCH.

AN OSWEGO BRANCH.

The H. Herrman Lumber Co., of New York City, advise us that they have recently established a plant at Oswego, N. Y., with excellent facilities for receiving lake shipments, and that they are handling large quantities of black ash, soft elm and birch, either on grades or log run. They are willing to pay spot cash for all lumber, and will send an inspector to look over the stock, taking the entire run of the log excert mill culls. Their announcement will be found on another page of this issue.

#### LUMBER AND COAL YARDS FOR SALE.

LUMBER AND COAL YARDS FOR SALE.

In the "Wanted and For Sale" department of this issue will be found an advertisement offering for sale two valuable lumber and coal yards receively owned by John W. Young & Sons Co., but now in the hands of a receiver. One of these yards is situated at White Plains, N.Y., the county seat of Westchester county. It comprises a two-storey frame office building, iron clad elevator, large brick and frame

## WANTED Mill Culls

(All Thicknesses)

FOR CASH John F. Stengel No. 203 Rillicott Square, EUFFALO, N.Y. planing mill and wood-working factory, coal and lumber sheds, wagon and track scales, etc. The other is situated at Tuckahoe, on the New York and Larlem Railroad, and is a smaller yard than that at White Plains, but very complete in its appointments. Persons contemplating an investment ir this direction should attend the sale on September 7th.

#### *WANTED*

Rock Elm, cut to order.

Soft Elm, all thicknesses.

Black Ash, all thicknesses.

State quantity you can supply, with lowest prices.

JAS. G. CANE & CO.,

35 Adelaide St. E., Toronto, Ont.

#### Sieveking, Podmore & Co. WOOD AGENTS

7 CROSBY SQUARE, LONDON, ENG. Cable Address: Branch at LIVERPOOL.
"facveking," London

## HESSLER & CO. WOOD AGENTS AND SHIP BROKERS

West Hartlepool, ENGLAND

Branch Offices in Hull and Newport, Mon.

Cable Address: 'Hessler," Westbartlepool.

## H. D. WIGGIN BOSTON, MASS. 89 STATE ST.

will inspect at mill and PAY CASH for

#### LOG RUN

Elm, Ash, Bass and other Hardwoods CORRESPONDENCE SOLICITED.

#### TELEPHONE POLES

The undersigned have in stock a large number of Telephone Poles, all lengths, 25 to 60 feet; also Fence Posts. Quotations given promptly by mail or wire when required.

GRONGE & McGREGOR, Killaloe Station, Ont.

## WANTED FOR EXPORT

All kinds of Logs and Lumber Payment by Montreal Bankers.

DENNY, MOTT & DICKSON - LONDON, ENG.

### WANTED

MBSSRS. JOSEPH OWEN & SONS, Ltd., of Liverpool, Bug., are open to treat for regular supplies of large quantities of HARDWOOD LUMBER, and will be glad to hear from-holders who have to offer WHITE ASH, WHITE OAK, SCALY BARK and SECOND GROWTH HICKORY, POPLAR and WALNUT, in lors, planks and boards, also prime fresh BIRCH LOGS of large dimensions.

BUYERS AND EXPORTERS OF WHITE PINE AND HARDWOOD



Cable Address, " Swan Donogh-Tonawanda Lumberman's Code.

## Do You Use Mahogany?

If so don't buy until you have seen or inquired about our now famous . . .

## Tabasco mahogany

Finest figured wood on the market; is hard and takes elegant finish. Brings highest prices in Europe, but we sell here about same prices as ordinary mahogany. Specially adapted for fine cabinet and interior finish

#### LAWRENCE & WIGGIN

Importers and Manufacturers

BOSTON, NASS

#### A SHORTAGE IN SPRUCK.

With a view to advising British timber mer-chants, the Timber News publishes the follow-ing regarding the spruce supply.

chants, the Timber News publishes the following regarding the spruce supply.

It seems as if at last merchants were beginning to realize that a shortage of spruce deals is an assured fact, and the few cargoes which are being offered find ready purchasers at improving prices. The Liverpool market does not for the moment respond so eagerly to this condition of things as the markets around the coast, because, several large cargoes having recently arrived, there is some desire to meet the demand. Fleetwood is short in stock, and cargoes are greatly wanted for Garston and the Canal. Large lower port cargoes can now be sold at £6 15s. c.a.f., with an advance for 5t. John deals, but even at such figures for later loading sellers are gaining very little advantage over earlier sales. Freights are higher, 48s. 9d. having been paid for steamers from 5t. John and 50s. to 52s. 6d. for fair-sized sailers from some of the Nova Scotia and New Brunswick ports. The tendency of steam freights seems toward a further rise, and the small supply of sailing vessels should prevent any serious fall in freights for such tonnage. In surance rates will shortly begin to mount up, and as the terms for sailer cargoes for October sailing touch 10 guineas per cent., or, say, 10s. to 12s. 6d. per std., there is very little inducement for business except at a considerable advance upon present prices.

The stock abroad available for shipment is

ment for business except at a considerable advance upon present prices.

The stock abroad available for shipment is admitted to be extremely light. At St. John several of the mills have shut down, and it is reported that the further cut there will not much exceed 10,000 stds. In Nova Scotta there is very little obtainable, and elsewhere the quantity of lower port deals offering is only small. From the St. Lawrence there is a greater supply on the market, but such specifications are only suitable tor certain districts. Altogether the season promises to close with considerable scarcity and higher prices. It is

probable that should such prove the case, the production during the coming winter will be greatly stimulated, and the merchants should watch carefully all indications in this direction, as experience teaches that the tendency is to go from one extreme to the other, and for a small production to be followed by an excessive output. The South American and West Indian markets continue important buyers, and this demand is likely to increase rather than otherwise.

#### SHIPPING MATTERS.

SHIPPING MATTERS.

The following charters are reported: Steamship Thornhill, St. John, N.B., to w.c. England, 50s; Nyassa, 1,786 tons, Hopewell Cape, N.B., to w.c. England, 50s, if Bristol, 52s 6d; bark Trinidad, Annapolis, N.S., to Buenos Ayres, lumber, \$10.50, option Rosario, \$11.50, bark Treacle, St. John to Glasgow, box shooks, £800 lump sum; str. Anaxo, St. John to w.c. England, deals, 50s; str. Basuto, 1,839 tons, Miramichi to Greenock or Glasgow, deals, 50s, August; str. Mendota, 1,656 tons, St. John, N. B., to Glasgow, 47s 6d.

LUMBER FREIGHT RATES.

CANADA ATLANTIC RAILWAY.

Lumber freight rates on the Canada Atlantic Railway, according to the summer schedule effective April 18t, are as follows. Ottawa, Rockland, Hawkesburg and intermediate points to Toronto, 10 cents per 100 lbs.; Par y Sound to Toronto, pine 10 cents, hardwood, 11 cents, Ottawa to Oswego, \$1.00 per M ft., (3,1000 lbs. alto another per Mf.), Ottawa to Montreal, \$1.00 per M feet, lath 20 cents per M pinces; Quebec, \$1.00 per M feet, lath 20 cents per M pinces; Athiption to Montreal, \$1.55 per M feet, lath 30 cents per M pinces; Athiption to Montreal, \$1.55 per M feet, lath 30 cents per M pinces; \$1.75 per M ft., lath 52 cents per M pinces; Quebec, \$1.75 per M ft., lath 52 cents per M pinces; Quebec, \$1.75 per M ft., lath \$2 cents per M pinces; Quebec, \$1.75 per M ft., lath \$2 cents per M pinces; Quebec, \$1.75 per M ft., lath \$2 cents per M pinces; Quebec, \$1.75 per M ft., lath \$2 cents per M pinces; Quebec, \$1.75 per M ft., lath \$2 cents per M pinces; Quebec, \$1.75 per M ft., lath \$2 cents per M pinces; M pinces, Parry Sound to New York, \$4.00 per M ft., lath 80 cts per M pinces, Ottawa to Bullalo, 12 cts, per 100 lbs., Ottawa to Port Haron and Detroit, 14 cents per M pinces, Ottawa to Bullalo, 12 cts, per 100 lbs., Ottawa to Port Haron and Detroit, 14 cents per

too lbs., Ottawa, Rockland and Hawkesbury to Boston and common points, local 15C.; exports 11C. per 100 lbs., Armprior to Boston and common points, local 15C.; exports 11C. per 100 lbs., Armprior to Boston and common points, local 17 cents, export 15 cts. per 100 lbs., Parry Sound to Boston and Portland and common points, local 215 cents, export 20 cts. per 100 lbs., Ottawa, Rockland and Hawkesbury to Portland, Rc., 15 cts.; Armprior to Portland, 17 cts.; Ottawa to Burnington, 6c. per 100 lbs., Ottawa to Albany, 12 cts. per 100 lbs., Parry Sound to Albany, 12 cts. per 100 lbs., Parry Sound to Albany, 12 cts. per 100 lbs., From Armprior 15 cents, from Parry Sound 20 cents per 100 lbs., Ottawa to St. John, N.B. and common points, 20 cents per 100 lbs.; Ottawa to Halifax, N.S., and common points, 21 cents per 100 lbs. Minimum carload weight for dispment of lumber, lath, shingles, etc., 13 30,000 lbs., and rates quoted per M ft.; minimum carloads 10 M ft., lumber not exceeding 3,000 lbs. per M ft., lath 50,000 pieces, not exceeding 3,000 lbs. per M ft., lath 50,000 pieces, not exceeding 5,000 lbs. per M ft.. lath 5,000 pieces, not exceeding 5,000 lbs. per M ft.. lath 5,000 pieces, not exceeding 5,000 lbs. per M ft.. lath 5,000 pieces, not exceeding 5,000 lbs. per M ft.. lath 5,000 pieces, not exceeding 5,000 lbs. per M ft.. lath 5,000 pieces, not exceeding 5,000 lbs. per M ft.. lath 5,000 pieces, not exceeding 5,000 lbs. per M ft.. lath 5,000 pieces, not exceeding 5,000 lbs. per M ft.. lath 5,000 pieces, not exceeding 5,000 lbs. per M ft.. lath 5,000 pieces, not exceeding 5,000 lbs. per M ft.. lath 5,000 pieces, not exceeding 5,000 lbs. per M ft.. lath 5,000 pieces, not exceeding 5,000 lbs. per M ft.. lath 5,000 pieces, not exceeding 5,000 lbs. per M ft.. lath 5,000 pieces, not exceeding 5,000 lbs. per M ft.. lath 5,000 pieces, not exceeding 5,000 lbs. per M ft.. lath 5,000 pieces, not exceeding 5,000 lbs. per M ft.. lath 5,000 pieces, not exceeding 5,000 lbs. per M ft.. lath 5,000 pieces ft.. lath 5,000 pieces ft.

#### CANADA ATLANTIC RAILWAY

Ottawa, Amprior & Parry Sound Ry.

OTTAWA & NEW YORK LUMBER LINE
OTTAWA & BOSTON LUMBER LINE
CANADA ATLANTIC FAST FREIGHT LINE

H. B. MUSSEN, Contracting Agent.
M. A. OVEREND, Foreign Freight Agent, 115 Board
Trade, Montreal

Shortest and Quickest Route from . . . .
OTTAWA, ROCKLAND, HAWKESBURY, ARNPRIOR, PEMBROKE, PARRY SOUND and other
Lumber Centres, TO BOSTON, PORTLAND, NEW
YORK, DETROIT, TONAWANDA, ALBANY,
&C., MONTREAL, TORONTO, QUEBEC, HALIPAX, ST. JOHN, &C.
W P. HINTON, ASSI General Freight Agent, Ottawa,
C. J. SMITH General Traffic Manager, Ottawa, Ont.

## BLACK ASH, SOFT ELM and BIRCH LUMBER

Either for immediate or future delivery, lake points preferred. Write full particulars. If quantity warrants will send Inspector.

H. HERRMANN LUMBER CO., 368 Broome St., New York City

CANADIAN EXPORTERS AND WHOLESALERS

## PEMBROKE LUMBER CO. LIMITED

DIMENSION TIMBER OF ALL SIZES AND KINDS, JOISTS. CAR DECKING, CAR SILLS, SHIP

DECKING, AND ALL KINDS OF ROUGH AND DRESSED LUMBER.

Write us for Quotations on all Bills

PEMBROKE, ONT.

WM. COOKE.

A. A. SCOTT

COOKE & SCOTT

### LUMBER, HOOPS AND STAVES McGregor, Ont.

Red and White Oak Bills cut to order.

Correspondence Solicited from British Importers.

## CLAURIN & MACLAREN

\_Lumber Manufacturers

Pine Lath, Etc., Etc.

Dimension Timber in White Cedar Shingles, or Red Pine, Spruce, Hemlock, or Cedar. Cedar Ties, Posts and Poles,

PINE DEALS

SHIPMENTS BY RAIL OF WATER T. L. BAILIE

WHOLESALE

EAST TEMPLETON, QUE.

Wants to hear from mills having above woods to

**HARDWOODS** Pays Cash for all shipments.

Penetang, Ontario

Has Basswood, Oak, Birch, Maple, Ash, Soft Elm-cut to order, in car-load lots.

offer for sale.

Correspondence Solicited and answered promptly.

JAS PLAYFAIR & CO. Manufacturers and Wholesale Dealers

### LUMBER • LATH • SHINGLES

Contractors for Rallway Supplies BILL TIMBER a Specialty . . .

MIDLAND, ONT.

A.& P. WAITE

Manufa turers of and Dealers in.....

Sawn and Planed Lumber. Dimension Timber, Joisting. Car Sills, Car Flooring, Shingles and Lath.

A Large Quantity of Dry Lumber in Stock

PEMBROKE, ONT.

## ROBERT WATT · WIARTON

MANUFACTURER AND

HOLESALE LUMBER Pine Shingles.

Pine Lath, Cedar, and

CORRESPONDENCE SOLICITED.

'HEMLOCK BILLS A SPECIALTY.

#### D, RIXON & OWEN SOUND. ONTARIO.

LUMBER, LATH, TIES, POLES, SHINGLES, ETC.

Make a Specialty of Long Pine, Cedar and Hemlock Bill Stuff. WE SHIP BY C.P.R., G.T.R. AND BY WATER

Flooring from \$12.00 SAMPLES BY MAIL KNIGHT BROTHERS CO. Ceiling "10.00 SAMPLES BY MAIL Burk's Falls, Ort. N-DRIED BIRCH FLOORING SHEETING. GEILING Ceiling

FOREIGN IMPORTERS

## Wright, Graham & 60.

7 Royal Bank Place. GLASGOW, SCOTLAND

Cable Address: "Brakridge," Glasgow.

Codes Used: Watkin's, Scott's, A.B.C.; Lumberman's, Zebra; Private.

Agents for the sale of CANADIAN WHITE PINE AND SPRUCE, cut to all sizes—and all kinds of Hardwood-in Log, Lumber and Dimension Stock. Shipments to any of the principal ports in the United Kingdom or continent handled to the best advantage.

C. H. GLOVER & CO., Ltd.

SPRUCE, BOX SHOOKS, PINE, ETC.

## SMITH & TYPER

14 Canada Dock, LIVERPOOL

Wood Agents

Cable Address—"Walmer," Liverpool.
Halifax, N.S., Office—SMITH, TYRER & CO., Metropole Bidg., Hollis St., Halifax N.S.

# IRVIN & SELLERS Forge Street, Bootle, LIVERPOOL, ENG. Cable Address: "Primus Liverpool."

WANTED: MAPLE SQUARES—Free of knots, splits and defects, and three parts dry, of the following sizes; large quantities could be used; price to be c.f.i. Laverpool; quality guaranteed; so per cent. 31/2 x 1/2 square; 35 per cent. 31/2 x 1/2 square; 3 per cent. 31/2 square; 3 per cent. 31/2 x 1/2 square; 3

DIRECTORY OF ADVERTISERS In the Monthly Edition of "The Canada Lumberman."	Pine, good sidings, pe
BELTING  Fleming, W. A., Montreal, Que. Goodhue, J. L. & Co., Danville, Que. Lewis, Rice & Son, Ltd., Representing Hoyt's Belting. McLaren, J. C., Bolting Co., Montreal and Toronto. McLaren, D. K., Montreal, Ottawa and Galt. The Waterous Co., Brantford. Young, J. S., Montreal BRASS CASTINGS City Brass Foundry, Hamilton, Ont.	Pine good strips, Pine, good shorts, Pine, No. 1 dressing sidings, per M feet, h.m Pine, No. 1 dressing strips, Pine, No. 1 dressing shorts, Pine, 10 s.c. and bet- ter stock,
Magnolia Metal CC., New York.  ORY RILHS MCEachren Heating & Ventilating Co., Gait, Ont. Standard Dry Kill: Co., Indianapolis, Ind.	
ELECTRICAL APPARATUS  Royal Bloctric Co., Montreal. Starr, John, Sons & Co., Halifax, M. S.  AIMMERMEN'S SUPPLIES	Square white rine, me good fair first class First class Ottawa was Michigan
Eckardt, H. P. & Co., Toronto. Gartshore, John, Toro.to. Park, Blackwell & Co., Toronto. Rice Lewis & Bon, Toronto. Woods, Jas. W., Ottawa, Ont.	Measured off, according In shipping order,
SA CUINERY	By the dram, according
Bell, Robt Jr., Hensall, Ont. Bertram, John & Sons, Dundas, Jnt. Canadian Locomotive and Engine Co., Kingston, Ont. Carrier, Laine & Co., Levis, Que. Darling Bros.; Montreat. Leonard & Sous, B., London, Ont. Lloyd Manufacturing Co., Kentville, N. S. Miyery & Son, Gravechuist, Ont. The Win. Hamilton Mig. Co., Peterboro', Ont. The Waterous Co., Brantford. The Oxford Foundry & Machine Co., Oxford, N. S.	By the dram, according
Darling Bros.; monural. Leonard & Sous, R., London, Ont. Lloyd Manufacturing Co., Kentville, N. S.	14 inches and up, accor To average 16 inch .
Mowry & son, Gravenburst, Out. The Wm. Hamilton Mig. Co., Peterboro', Out. The Waterous Co., Brantford. The Oxford Foundry & Machine Co., Oxford, N. 8.	14 inch average
MACNOLIA ANTI-FRICTION METAL Magnolia Motal Co., New York,	Bright spruce, according for and, \$22 to \$25 for
PAPER AND FULP MILL ENGINEERS Tower & Wallace, New York	• • • • • • • • • • • • • • • • • • • •
PULP AND PAPER MILL MACHINERY The Jenckes Machine Co Sherbrooke, Que. The Waterous Co., Brantford.	Bridge timbér\$21
PULLEYS Dodgo Wood Split Pulley Co., Toronto. The Dominion Leather Board Co., Montreal, Quo.	Decking4
RAILROAD BRASSES Magnotia Motal Co., New York.	6 to 9 in
SAW MANUFACTURERS	rinch, No.rands
Burns, B. R., Saw Co., Toronto, Ont. Ottawa Saw Works Co., Ottawa, Ont. Shurly & Dietrich, Galt, Ont. The James Robertson Co., Montreal, Quo. TURBINES Barber, C., Meaford, Ont. Medison Williams, Port Farry, Ont.	inch,  if in and thicker,  Black A  Soft Eli
WHOLESALE LUMBER DEALERS  Houston, G. T. & Co., Chicago, III, U.S.A. Shier, J. D., Bracebridge, Ont. Wiggin, H. D., Boston, Mass.	" " Hard \\ " Basswo " Birch,
Axes, Campbell Bros., St. John, N. B. Axes, Campbell Bros., St. John, N. B. Axes, Jas. Warnock & Co., Galt, Oat. Canadian Photo Engraving Bureau, Toronto. Can. Office and School Furniture Co., Preston, Ont. Embossed Mouldings, Boynton & Company, Chicago, Ill. Lumbering Toois, Thos. Pink, Pembroke, Ont. Lumber Inspector, John A. Bertram, Toronto, Ont. Machine Knives, Peter Hay, Galt, Ont. Pulp and Paper Felts, Hamelin & Ayres, Lachute Mills, Que. Pumps, Northey Manufacturing Co., Toronto. The Bradstreet Mercantile Agency, New York and Toronto.	Uppers, 3 in. up  y in.  1102 in.  4 inch uppers  Selects, 3% in. up  to 2 in.  Fine common, 2% in. an  1 to 2 in,  No. 1 cuts, 2 to 2 inch  No. 2
WHOLESALE PRICES CURRENT, TORONTO, ONT. TORONTO, August 9, 1899.	No. z melding, z to z in No. z melding, z to z in Stained sape Bracket rlank Shelving boards, zz in. u
THE THE AND TENNESTING AND THE	Dressing boards, narrow ixio inch shippers
ter, 60% 16 ft 22 00 24 00 t inch siding ship cullr 10 50 12 50	Sawed Pine, ex. xxxx\$
to and 12 Canadian dressing and better 18 00 20 00 12-2 and thicker cut- ting pp plank,, 24 00 26 00 13-4 in. cut up and better	Clear butts
1210 and 12 mill rull 10 00 14 00   MAX pine shingles 16 inch   1 00 1210 and 12 mill culls 0 00 10 00   Lath, No. 1 1 00   MAX pine shingles 16 inch   1 50   1 100	Ordinary planed 510 Coarse No. 5 15 Refuse
Ash, white, 2 to 2 in\$26 00 \$28 00 Elm rock, mill run	WESS 1 Uppers, 1 in\$50 1 1 1 2 3 3 3 3 1 1 \$2
Ash, black, 1sts and	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Ash, M. R., 2 to 2 17 00 19 00 Maple, 1818  Birch, 11n 18 00 20 00 and 2nd 1 2 " 1½ 26 00 18 00  " 144" 2 20 00 22 00 Maple 1818	Selects, 1 in 44 114, 114 and 2 in 45 3 and 4 in 53 Moulding boards, 9 to
and a to 1 K in 18 co 20 co . 1515 Sands I " 1 K 26 co 20 co	fin. clear 37 60 per cent. clear 32 Fine common, tin 40 21, 21 and 2 in 40
1½ to 221 00 23 00 Oak, red, pin,  "m.r. 1 "1½ 15 00 17 00  Butternut 1 "1½ 30 25 00 Oak, white,  "2" 33 25 00 28 00 Oak, white,  Chemnut 1 "2 24 00 2 00 Oak, white,	Exira 4 ft
Chemnat 1 " 2 32 co 2 co Oak, white, 173 25 co 3 co Cherry, 1343 co co 60 co Oak quart'd, 4 30 co 35 co	Clears
Cherry, 18ts and 2nds 2 " 4 60 co 65 co  Elm, 501, mill  " 14 16 co 18 co Walnut, 18ts and 2nds 1 " 3 85 co 100 co	Cedar, extra
Im, 50 (1,mill run 2 " 3 17 00 19 00 Ists & 2nds t " 2 32 00 36 00	Spruce By car t

	CANADA LUMBERMAN WEEKLI EDITION	
	OTTAWA. ONT.	BUFFALO AND TONAWANDA, N.Y. Tonawanda, N. Y., August 9, 1899
•	OTTAWA, August 9, 1899-	
_	Pine, good sidings, per Al feet, b.m \$31 00 36 00 ter stock 11 00 12 50	Up'rs, 1, 13, 13, 13, and 2 in
	Pine and strips, 25 00 27 00 Pine, & upa c. sidings 22 00 23 00 Pine, good shorts, 27 00 28 00 Pine, a.c. strips 8 00 10 00	# and 3 in 50 00   2 in 31 50 33 53
	Pine, No. 1 dressing Pine, a c. shorts 7 00 6 57	Selecte s to a ln as on an onl and un, t in as so
	sidings, per M feet, b.m	
	Ping. No 1 descripe 113th Der Al NO.1 1 'V ' *3	Fine Common, tin. (11) I D B BDG ID ID 41 co. se co.
	strips	13/2 and 13/2 in 39 50 40 50 No. 2, 12 in 10 50
	sharts,	2 in
	terslock, 13 50 15 00 (120 d (1001)	Cut'g up, No. 1, 1 in. 30 00   Box, 1 x 4
	200000000000000000000000000000000000000	13 to 2 in 35 00 37 50 1 x 6 to 12 in 14 50 No. 2, 1 in 15 00 13 50 1 x to to 13 in 15 00 15 50
	QUEBEC, QUE. QUEBEC, August 9, 1899.	No. 2, 1 in
	WHITE PINE—IN THE RAPT.	No. 3, 2 in 22 00 and 2 in 12 00 13 00
	Square white pine, measured off, 40 to 45 feet average,	Dressing 11/2 in 30 or   WHITE ASH.
	11 first class 14 11 11 11 8 42	1st & 2nd, 1 inch, 28 00 30 00 21/2 10 4 in
	First class Ottawa waney, 18 inch average according to lineal 30 42	Curn and culls 12 00 14 00
	" Michigan " 10 to 21 inch average " 4 2.38 44 48 44 48	BLACK AND BROWN ASH.
	RED PINE—IN THE RAFT.  Measured off, according to average and quaity	rst & and, 6 inch up, 25 00 26 00   Com. & good culls 12 00 14 00
	Measured off, according to average and quality	1st & 2nd, 6 inch &   1st & 2nd, white, 6" & up, 18 00 20 00   Com & good culls 16 00 11 00
	OAK—MICHIGAN AND ONIO.	/ KLM.
	By the dram, according to average and quality 46 49	181 & 2d, rock, Sin. & up, 20 00 22 00 [ 181 & 2d, soft, Sin. & up, 18 00 20 00
	By the dram, according to average and quality, 45 to 50 feet . 32 35	181 & 2d, hard, 6in. & up 18 00 20 00   121 & 2d, soft, 6in. & up, 18 00 20 00
	ASH.	BAY CITY AND SAGINAW, MICH.
	14 inches and up, according to average and quality	BAY CITY, Mich., August o, 1800.
	RIPCH.	Uppers, t in., to n. and up I Selects vin Sin and university and
	10 (1 1)	wide
	28 44 44	13, 13, and 2 in
	Bright spruce, according to mill specification, \$39 to \$42 for ist, \$25 to \$27	Pieze coundov.
	for and, \$22 to \$25 for ard, and \$18 to \$21 for 4th quality. F.O.B. batteau	r in., 8 in. and up wide35 00   3½ and 3in., 8in. and up wide 46 00 1½ and 1½ in
	Airin house come	2 in
	NEW YORK CITY.  New York, N.Y., Angust 9. 1899.	B FINE COMMON OR NO. 1 CUTTING.
	WHITE PINK TIMBER.	t in., 7 in. and up wide 26 00 2 1/2 and 3 in., 7 in. and up wide 39 00 12/2 and 11/2 in
	Bridge timber\$28 00 @ 40 00   Building orders\$27 00 @ 37 00   Decking 44 00 50 00	STRIPS. A AND B (CLEAR AND SELECTS).
	SPRUCE.	134 in., 4, 5 and 7 in. wide 36 00   1 in., 4, 5 and 7 in. wide 35 00 6 in. wide 40 00
	6 to 9 in 14 00 .14 50 10 to 12 in 16 23 17 00 6 to 12 in 1 35 1 95	FINE COMMON OR C.
	9 0 12 in	1 in., 4, 5 in. wide
	r inch, No. 1 and 2 Black Ash, 10 to 16 35 00	SELECTÉD NO. 1 SHELVING OR PENCING STRIPS. 1¾in., 4, 5, 6 in. wide 26 ∞   1 in., 4, 5, 6 in. wide 22 ∞
	11/2 to 2 in. 36 oc 2 inch, " Solt Elm, "	HO. I PENCING OR HO. 3 PLOORING.
	1kin and thicker, " 4	t in., 4, 5 and 7 in
	41 41 Basswood, 41	Hổ. 2 PÉNCING OR NO. 4 PLOÒRĨNG.
	Black Ash, Com. and Shipping Cull, M.C.O 14 00	1 in., 4, 5 and 7 inch
	Hard Maple, 1	SIIBLVING.
	" Basswood, " 1 " " 12 00	No. 1, 1 in., 10 in. stocks 29 00   No. 2, 1 in., 7 and 8in. stocks 23 00 1 in., 10 in. stocks 23 00
	<del></del>	t in., to in. stocks an only in. to in stocks
	ÁLBÁNY, N.Y.	r in., 12 in. and up wide 34 00 r in., 10 in. and up wide 24 00 r in., 13 in. and up wide 29 00 up wide 31 00
	ALBANY, N.Y., August 9, 1899.	BARN DOARDS OR STOCKS.
	Uppers, 3 in. up\$51 \$53   1x2 inch shippers\$ \$16	
		10 in 19 00   8 and 7 in 15 00
	3/4 inch 13" & up. 17 1102 in	10 in
	23/4 in 50 52 4/4 inch 13 % up. 27 1 to 2 in. 45 48 4/4 Box boards, 6' and up. 13 14 4 inch uppers 54 10-in. dressing aild better 20 32 Selects, 23/2 in. up. 44 10-in. common 14 15	10 in 10 00 8 and 7 in 15 00 0 in 18 00 No. 3, 12 in 14 00 8 and 7 in 18 00 10 in 12 00 No. 3, 12 in 12 00 10 in 12 00 10 in 12 00
	Uppers, 3 in. up	10 in 15 00 8 and 7 in 15 00 8 and 7 in 12 00 8 and 7 in 18 00 10 in 12 00 8 in 12 00
	1 to 2 in,	10 in
	1 to 2 in	10 in   10 00   8 and 7 in   15 00
•	1 to 9 in,	10 in   10 00   8 and 7 in   15 00
•	1 to 9 in,	10 in   10 00   8 and 7 in   15 00
	1 to 9 in	Sand 7 in.   15 00   Sand 7 in.   15 00
	1 to 9 in	Sand 7 in.   15 00   Sand 7 in.   15 00
	1 to 9 in	Sand 7 in.   15 00   Sand 7 in.   15 00
	1 to 9 in	Sand 7 in.   15 00   Sand 7 in.   15 00
	1 to 9 in,	Sand 7 in.   15 00   Sand 7 in.   15 00
	1 to 9 in,	Sand 7 in.   15 00   Sand 7 in.   15 00
	1 to 9 in,	Sand 7 in.   15 00   Sand 7 in.   15 00
	1 to 9 in,	Sand 7 in.   15 00   Sand 7 in.   15 00   Sand 7 in.   14 00   Sand 7 in.   15 00   Sand 7 in.   12 00   Sand 7 in.   12 00   Sand 7 in.   12 00   Sand 1 in.   12 in.
	1 to 9 in,	Sand 7 in.   15 00   Sand 7 in.   15 00
	1 to 9 in,	Sand 7 in.   15 00   Sand 7 in.   14 00
	1 to 9 in,	Sand 7 in.   15 00   Sand 7 in.   14 00
	1 to 9 in,	Sand 7 in.   15 00   Sand 7 in.   14 00
	1 to 9 in,	Sand 7 in.   15 00   Sand 7 in.   15 00
	1 to 9 in,	Sand 7 in.   15 00   Sand 7 in.   15 00
	1 to 9 in,	Sand 7 in.   15 00   Sand 7 in.   15 00
	1 to 9 in,	Sand 7 in.   15 00   Sand 7 in.   15 00
	1 to 9 in,	Sand 7 in.   15 co   8 and 7 in.   15 co   8 and 7 in.   14 co   10 in.   12 co   10 in.   12 co   10 in.   12 co   10 in.   13 in.   12 co   11 in.   13 in. and up wide.   12 co   1½, 1½ and 2 in., 7 in. and   12 co   1½, 1½ and 2 in., 7 in. and   12 co   1½, 1½ and 2 in., 7 in. and   12 co   1½, 1½ and 2 in., 7 in. and   12 co   1½, 1½ and 2 in., 8 in. and up   12 co   1½, 1½ and 2 in., 8 in. and up   12 co   1½, 1½ and 2 in., 8 in. and up   1½, 1½ and 2 in., 8 in. and up   1½, 1½ and 2 in., 8 in. and up   1½, 1½ and 2 in., 8 in. and up   1½, 1½ and 2 in., 8 in. and up   1½, 1½ and 2 in., 8 in. and up   1½, 1½ and 2 in., 8 in. and up   1½, 1½ and 2 in., 8 in. and up   1½, 1½ and 2 in., 8 in. and up   1½, 1½ and 2 in., 9 in. and up   1½, 1½ and 2 in., 8 in. and up   1½, 1½ and 2 in., 9 in. and up   1½, 1½ and 2 in., 9 in. and up   1½, 1½ and 2 in., 9 in. and up   1½, 1½ and 2 in., 9 in. and up   1½, 1½ and 2 in., 9 in. and up   1½, 1½ and 2 in., 9 in. and up   1½, 1½ and 2 in., 9 in. and up   1½, 1½ and 2 in., 9 in. and up   1½, 1½ and 2 in., 9 in. and up   1½, 1½ and 2 in., 9 in. and up   1½, 1½ and 2 in., 9 in. and up   1½, 1½ and 2 in., 9 in. and up   1½, 1½ and 2 in., 9 in. and up   1½, 1½ and 2 in., 9 in. and up   1½, 1½ and 2 in., 9 in. and up   1½, 1½ and 2 in., 9 in. and up   1½, 1½ and 2 in., 9 in. and up   1½, 1½ and 2 in., 9 in. and up   1½, 1½, 1½, 1½, 1½, 1½, 1½, 1½, 1½, 1½,
	1 to 9 in,	Sand 7 in.   15 00   Sand 7 in.   15 00   Sand 7 in.   14 00   Sand 7 in.   12 00   Sand 1
	1 to 9 in,	Sand 7 in.   15 00   Sand 7 in.   15 00   Sand 7 in.   14 00   Sand 7 in.   12 00   Sand 1
	1 to 9 in,	Sand 7 in.   15 00   Sand 7 in.   15 00   Sand 7 in.   14 00
	1 to 9 in,	Sand 7 in.   15 00   Sand 7 in.   15 00   Sand 7 in.   14 00
	1 to 9 in,	Sand 7 in.   15 00   Sand 7 in.   15 00   Sand 7 in.   14 00
	1 to 9 in,	Sand 7 in.   15 00   Sand 7 in.   15 00   Sand 7 in.   14 00
	10 9 in,	10   10   10   10   10   10   10   10
	10 9 in,	10   10   10   10   10   10   10   10
	10   2   10   2   10   30   33   33   30   30   30   30	10   10   10   10   10   10   10   10