

Machine dressed cedar shingles quoted as follows: For 30-inch, \$16.25 for A and \$23.75 for B; for 24-inch, \$16.50 for A and \$23.75 for B; for 20-inch, \$16.50 for A and \$23.75 for B; for 18-inch, \$16.50 for A and \$23.75 for B.

At the yards business is good and general and dealers appear to be having a first rate season as a rule. Some complain of competition compelling them to sell on a very narrow margin.—*Real Estate Record.*

TONAWANDA.

TONAWANDA, N.Y., May 30. Receipts by lake continue to come in very generously and acceptably, giving the yards here an opportunity to stock up with stuff that is much needed to enable them to fill orders, some of which have been on the books three and four weeks. The amount of lumber received at this point during the past week will foot up about 16,500,000 feet; one consignment of shingles, 1,600,000. The ruling figure from Michigan points has been \$3 per thousand on lumber. Dealers here are chafing somewhat under this steady high rate, and some of the prominent ones are yet holding off, as that price is too much of a discrimination against their interests as compared with through rates by rail. Canal freights to Albany have dropped a trifle since last report, and are quoted to day at \$2.50 to Albany, and \$3.25 to New York. Boats are coming in freely, and there is an active demand for the season. Sales are reported as being good, with no change in prices. We hear of an order for 250,000 feet dressed for New England parties; 350,000 feet of box for an eastern firm at \$12.50, 1,500,000 shingles at \$3.65 here; 600,000 shingles, clear butt, \$2.75; and other equally favorable transactions. With the present condition of the trade there can be little or no change in prices. We quote as follows:—

CARGO LOTS—MICHIGAN INSPECTION.

Three uppers.....	17 00/43 00
Common.....	17 00/43 00
Cells.....	11 50/42 50

We quote railroad freights as follows:—
Tonawanda to Boston or New England points, per ton.....\$3 50
New York and Hudson river points.....3 00
Jersey City, Newark, etc.....3 00
Philadelphia, Baltimore, Wilmington, etc.....3 00

BOSTON.

The *Journal of Commerce* of June the 4th says:—

The general appearance of the market is about the same as last week, and dealers report the demand as very good. Prices are firm, and will probably remain for some time as now quoted, unless hardwoods advance in sympathy with the western markets. Reports from the west show seasoned hardwoods to be very scarce, and in some cases the supply is so low as to be hardly equal to the demand. As a consequence, white-woods have advanced \$2@2.50, and ash \$2.50@2.75. Oak has also advanced, 1-4th in timber and flooring. The eastern markets, as yet, remain unchanged, and this upward turn at the west will probably subside as soon as shipments from primary points begin to come in and stocks are replenished. Below are carload quotations.

CANADA PINE.

Shells, dressed.....	\$48 00/45 00
Shavings, dressed, 1st.....	40 00/42 00
do do, 2nd.....	33 00/35 00
Dressed Shippers.....	27 00/29 00
Dressed Box.....	18 00/20 00
Shedding, 1st quality.....	42 00/45 00
2nd.....	31 00/35 00

OSWEGO, N.Y.

Quotations are as follows:—	
Three uppers.....	\$12 00/45 00
Pickings.....	32 00/35 00
Five, common.....	20 00/25 00
Common.....	14 00/16 00
Cells.....	12 00/14 00
Mill run box.....	17 00/22 00
Shavings, selected, 1 inch.....	32 00/34 00
do do, 1 inch.....	30 00/32 00
Mill run, 11 to 16 ft.....	17 00/21 00
do do, selected, 1 inch.....	30 00/32 00
Shippers.....	15 00/16 00
Mill run, 1 and 1 1/2 inch strips.....	16 00/20 00
Cells, selected.....	22 00/26 00
Cells.....	12 00/14 00
1 1/2 inch selected for claspings.....	24 00/26 00
Shavings, XXX, 1 1/2 inch, pine.....	3 75/4 00
XXX, 1 1/2 inch, cedar.....	4 00/4 30
Lath.....	1 40/1 15

If you suffer from any chronic disease arising from impure blood, sluggish liver, disordered kidneys or weakness of the bowels; if your Nervous System is debilitated from whatever cause arising, do not despair, but procure a trial bottle of Burdock Blood Purifier; it will only cost 10 cents. Large bottles \$1.00. For sale by all medicine dealers.

FREIGHTS.

OSWEGO. Canal freights on lumber are \$1.00 to Albany and \$2.25 per M up to New York.
BUFFALO, N.Y.—Canal freights dull and rates unchanged. Quoted as follows:—Pine lumber at \$2.25 per M feet to New York. Staves to New York \$1.30 per ton over tolls.

EAST SAGINAW, Mich.—Lumber—Freights to Ohio ports steady, at \$2.50 to \$2.75, outside figure being Toledo rates. Buffalo and Tonawanda \$3 to \$3.25, outside figure being the rate to Tonawanda.

BAY CITY, Mich.—Lumber to Toledo \$2.50, Tonawanda \$3, Cleveland \$3.

TORONTO.—Lumber is still taken at \$1.25.

THE SLIDES.

The following is a statement of the timber which has passed the Chaudiere Slides during the week ending 3rd June:—

		Cribs.	Pieces.
May 23rd	J. R. Klock.....	74	1,910
" "	A. & P. White.....	206	5,327
" 25th	John Fraser.....	112	3,095
" 26th	Wm. Mackay.....	50	2,339
" 27th	Robt. Grant.....	50	1,574
" 28th	James Findlay.....	12	653
June 1st	Wm. Croft.....	35	886
" "	J. O. T. Haver.....	31	990
May 28th	James B. Dickson.....	102	2,570

Heat in the Boiler Room.

H. G. Baker in the *Lumber World* says.—Excessive heat in your boiler room, while indicating a waste of fuel, or, in other words, a loss of power, is by no means beneficial to your engineer or fireman, and it presences causes them, perhaps unwittingly, to become careless in the performance of their duties, this carelessness resulting more to your detriment than theirs. A man overheated is not capable of exerting his best energies in the performance of any labor, physical or mental, and when your fireman or engineer begin to get careless, they, as everyone else, get more and more so, particularly if the conditions under which they labor are not changed. Ventilation in the boiler room is permissible if due precautions are taken to prevent radiation from your boiler and steam pipes. If these are properly protected, comparatively little heat will pass from them into the room, and ventilation, so long as strong currents or draft of air are not created, will not be hurtful.

If your boiler or connections are not properly protected, don't ventilate, but shut your room up as closely and tight as possible, and keep it so. Put a man inside and keep him there to attend to the engine and fire, and when he is sufficiently baked, take him out and substitute another. It won't be quite as cheap as it would to protect your steam surfaces, but you can do it.

Growth of Timber.

As the result of observation, and from the testimony of reliable men, the following is about the average growth in twelve years of the leading desirable varieties of timber, when planted in belts or groves and cultivated: White maple, one foot in diameter and 30 feet high; ash, leaf maple or box elder, one foot in diameter and 20 feet high; white willow, one and a half feet in diameter and 50 feet high; yellow willow, one and a half feet in diameter and 35 feet high; Lombardy poplar, 10 inches in diameter and 10 feet high; blue and white ash, 10 inches in diameter and 25 feet high; black walnut and butternut, 10 inches in diameter and 20 feet high.

Manitoba.

Prittie's sixth party with sleeping cars attached, will leave on 29th June, per G.T.R. at 11.45 a.m., and continue every other week during the season, preceded two days before by their fast freight train. 30,000 acres of choice land for sale. Letters enclose 3c. stamp for reply. R. W. PRITTIE & Co., 61 King Street East, Toronto.

With the Approach of Spring, Bilious Complaints prevail that often lead to serious results. Guard against their attack in time by using *Burdock Blood Purifier*: the best Liver Invigorator, Kidney Corrector, Regulator of the Bowels and Secretions, and the purest, most permanent Tonic in the world. For sale by all dealers.

Flexible Board Rules,

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

GEORGE STETHEM,
PETERBOROUGH.

Wrought Iron Shanty Cook Stoves

The Best Article ever offered to the Trade.

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

SINGLE OVEN STOVE

Top surface contains six 10-inch holes, with ample room between, and one oven 16 x 21 x 26.

DOUBLE OVEN STOVE

The Double Oven has a top surface containing twelve 10-inch pot holes, with two ovens, each 16 x 21 x 26. One fire-box of suitable size for area to be heated. Below will be found Testimonials from some of the leading Lumbermen, who have used my Wrought Iron Cook Stoves since I commenced manufacturing them. They are the names of gentlemen who are well known and reliable, and will carry more weight than any recommendation of my own could do.

The Best Stove I have ever Used.

PETERBOROUGH, May 31, 1880.

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

Yours truly, THOS. GEO. HAZLITT.

The Stove for Lumbermen.

PETERBOROUGH, June 1st, 1880.

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

Yours truly, IRWIN & BOYD.

Given the Greatest Satisfaction.

PETERBOROUGH, June 3rd, 1880.

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

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

EVERY STOVE GUARANTEED

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

ADAM HALL, Peterborough.

HOW SPOOLS ARE MADE.

The town of Drummondville, Canada, on the St. Francis river, had the good fortune some years ago to be selected as the site of several factories for the manufacture of spools, the principal reason for the selection being the abundance of white birch in the immediate vicinity. This wood, though inferior for many purposes, is just the thing for spools, and the following account of the process of manufacturing these useful articles may be of interest.

The wood, after being delivered to the factories is first sawn into pieces about 4 feet long and from 1 to 1 1/2 inches square, according to the spool it is desired to make. These pieces are put into a dry-house and thoroughly dried, from whence they are taken into the factory and given to the rougher, who, in an incredibly short space of time, bores a hole in the centre a couple of inches deep, turns about the same space round, and then cuts off the length required for a spool. The machines used for this purpose are revolving planers, in the centre of which is a revolving gimlet or bit, and immediately to the right a small circular saw with a gauge set to the proper size for the spools. The roughers receive 1 1/2 cents per gross for their work, and experienced men turn out from 100 to 130 gross per day. The round blocks pass from them to the finishers, who place them in machines which give them the shape of spools, and make them quite smooth. The spools are thrown loosely into a large cylinder, which revolves slowly, so that the spools are polished by the constant rubbing upon each other for some time. On being taken out of the cylinder, they are placed in a hopper with an opening at the bottom, through which they pass down a slide for inspection. Here the inspector sits and watches closely to see that no imperfect spools are allowed to pass, and a very small knot or scratch is sufficient to condemn them. They are packed in large boxes, made the proper size, and no additional packing is needed. The packers receive one-fourth of a cent per gross for packing, and a smart boy who is accustomed to the work can pack about 200 gross per day. One proprietor ships over two million spools per

month to England, and another firm ships over one million spools to Glasgow, Scotland.

Mean Velocity in Open Water Courses.

The discharge of open water courses may be found experimentally by observing the velocity of the current, and measuring the cross-sectional area of the stream. But to do this correctly, we require the mean velocity throughout the section, which cannot be obtained by observation. The velocity varies, being a maximum at the surface, and where the channel is deepest, which is usually near the centre of the width, diminishing from thence to the banks on either side and to the bottom, where it is a minimum. The best experiments we have, give the mean velocity throughout the section at 84 per cent. of the maximum central surface velocity, which is usually the velocity observed, being easily obtained by a float on the surface of the stream. Thus, if a channel has, by observation, a central surface velocity of 35 feet per minute the mean velocity will be 29.4 feet.

A Creditable Organ.

The Lumber and Timber industries of Canada, probably the most important in the country, have at last, we are pleased to notice, secured an influential and highly creditable organ in **THE CANADA LUMBERMAN**, published by Messrs. Toker & Co., at Peterborough. The **LUMBERMAN** was founded in Toronto last year by Mr. Alex. Boye, and came into the hands of the present publishers only a month ago. It appears in an entirely new dress, and will in future be published semi-monthly, at \$2.00 per annum. It has a vast field and important work before it, and under its present able management we hope to see it live and flourish. It certainly deserves the support of every one interested in the lumber trade, to which it cannot fail to be of immense benefit. *North Hastings Review.*

Hayward's Yellow Oil is a perfect panacea curing by external and internal use all inflammation, pain and soreness. Rheumatism, Stiff Joints, Headache, Colds, Kidney complaints, Burns, Frost Bites, and Flesh Wounds of every variety. For sale by all dealers.