

conditions in all lines of business, and lumber is receiving a portion of the gain. The demand for low grade stuff, particularly box, is quite considerable, and some are saying that white pine stocks will be scarce before the season is over.

## WHITE PINE—WESTERN GRADES.

Uppers, 1 in. ....	\$44 00@45 00	Coffin boards.....	20 00 22 00
1 1/2, 1 1/2 and 2 in. ....	46 00 47 00	Box, in. ....	\$17 00@17 50
3 and 4 in. ....	55 00 58 00	Thicker .....	17 50 18 50
Selects, 1 in. ....	40 00 41 00	Ceil'g, base, fig. No. 1 ..	40 00 42 00
1 1/2, 1 1/2 and 2 in. ....	41 00 43 00	No. 2 .....	35 00 37 00
3 and 4 in. ....	43 00 44 00	No. 3 .....	24 00 26 00
Fine common, 1 in. ....	52 00 53 00	Shelving, No. 1 .....	30 00 32 00
1 1/2, 1 1/2 and 2 in. ....	36 00 37 00	No. 2 .....	25 00 27 00
3 and 4 in. ....	38 00 40 00	Molding, No. 1 .....	36 00 37 00
Cutting up, 1 in. No. 1 ..	46 00 48 00	No. 2 .....	34 00 36 00
No. 2 .....	21 00 23 00	Bevel sid'g, clear.....	22 50 23 50
Thick, No. 1 .....	29 00 30 00	No. 1 .....	20 00 20 50
No. 2 .....	24 00 26 00	No. 2 .....	16 00 17 00
Common, No. 1, 10 ..	22 00 23 00	Norway, c'l, and No. 1 ..	23 00 25 00
No. 2 .....	20 00 21 00	No. 2 .....	20 00 22 00
No. 3 .....	17 00 18 00	Common .....	18 00 19 00

## BUFFALO AND TONAWANDA, N.Y.

TONAWANDA, N. Y., Sept. 25.—Where the tendency had been for prices to weaken, the situation during the month shows a change in this respect. Those looking for bargains have been here, but they have not found them as readily as at other times during the past summer. Box men are encouraged by the number of orders they have been able to book. Shingles are somewhat slow.

## WHITE PINE.

Uppers, 1, 1 1/2, 1 1/2 and 2 in. ....	\$46 00 48 00	Shelving, No. 1, 13 in. ....	31 00@33 00
2 1/2 and 3 in. ....	52 00 55 00	and up, 1 in. ....	25 00 26 00
3 and 4 in. ....	58 00 60 00	Dressing, 1 1/2 in. ....	25 00 26 00
Selects, 1 in. ....	38 00 39 00	1 1/2 x 10 and 12 .....	24 00 25 00
1 1/2 to 2 in. ....	42 00 44 00	2 in. ....	26 50 28 00
2 1/2 and 3 in. ....	47 00 50 00	Mold st'ps, 1 to 2 in. ....	33 00 35 00
4 in. ....	52 00 55 00	Barn, No. 1, 10 and 12 in. ....	21 00 23 00
Fine common, 1 in. ....	35 00 38 00	6 and 8 in. ....	20 50 22 00
1 1/2 and 2 in. ....	37 00 38 00	No. 2, 10 and 12 in. ....	18 00 19 00
2 in. ....	39 00 40 00	6 and 8 in. ....	18 00 19 00
3 in. ....	45 00 46 00	No. 3, 10 and 12 in. ....	14 00 16 00
4 in. ....	45 00 46 00	6 and 8 in. ....	13 50 15 50
Cut up, No. 1, 1 in. ....	27 00 29 00	Common, 1 in. ....	16 00 18 00
1 1/2 to 2 in. ....	33 00 34 00	1 1/2 and 1 1/2 in. ....	18 00 20 00
No. 2, 1 in. ....	17 00 18 00	2 in. ....	19 00 22 00
No. 2, 1 1/2 to 2 in. ....	23 00 24 00		
No. 3, 1 1/2 to 2 in. ....	18 00 19 00		

## ALBANY, N.Y.

ALBANY, N. Y., Sept. 25.—Greater activity has been noticeable in the lumber market since the tariff bill was passed, and dealers, if they do not like some features of this bill, are encouraged by the activity in trade that is showing itself. Planing mill men are somewhat fearful of what the result may be to them, but as has been remarked before from this point, time will alone tell the true inwardness of the matter.

## PINE.

2 1/2 in. and up, good .....	\$56 50	10-in. common .....	\$15 16
Fourths .....	58	12-in. dressing and better ..	28 34
Selects .....	50	Common .....	15 17
Pickings .....	45	1 1/2 in. siding, selected, 13 ft. ....	40 45
1 1/2 to 2 in. good .....	52 55	Common .....	15 17
Fourths .....	47 50	1-in. siding, selected .....	38 42
Selects .....	42 45	Common .....	15 17
Pickings .....	37 40	Norway, clear .....	22 25
1-in. good .....	52 55	Dressing .....	16 18
Fourths .....	47 50	Common .....	11 15
Selects .....	42 45	10-in. plank, 13 ft., dressing ..	c. c.
Pickings .....	37 40	and better, each .....	42 55
Cutting up .....	22 27	10-in. plank, 13-ft. culls, each ..	23 25
Bracket plank .....	30 35	10-in. boards, 13 ft., dressing ..	28 32
Shelving boards, 12-in. up ..	30 32	and better, each .....	17 21
Dressing boards, narrow .....	19 21	10-in. boards, 13-ft. culls .....	17 21

## LATH.

Pine .....	\$2 40	Spruce .....	\$2 30 \$2 40
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## SHINGLES.

Sawed Pine, ex. xxxx. ....	\$4 40 \$4 50	Bound butts, 6 x 18 .....	\$5 90 \$6 00
Clear butts .....	3 15 3 25	Hemlock .....	2 15 2 30
Smooth, 6 x 18 .....	5 50 5 60	Spruce .....	2 20 2 30

## THE TORONTO INDUSTRIAL EXHIBITION.

BELOW will be found particulars of some of the exhibits at the recent Industrial Exhibition in which the readers of THE LUMBERMAN are likely to be most interested:—

Robin & Sadler, of Montreal and Toronto, presented an attractive showing in the east end of the Machinery Hall, of samples of all kinds and sizes of leather belting, laces, belt dressing, &c.

Messrs. Cant Bros., Ltd., of Galt, Ont., presented a new instrument in the form of a hollow chisel—working either horizontally or uprightly, useful alike for the very lightest and the heaviest work.

The Canadian Rubber Co., of Toronto, claim to have gained many pointers by experience, and the goods they now turn out are a great improvement as regards durability and appearance on those of earlier years. They showed their usual lines of belting, hose, seamless tubes, &c., and are bringing out shortly a new stitched belting, particulars of which will be duly placed before our readers.

The Goldie & McCulloch Co., Ltd., of Galt, Ont., exhibited a band rip saw, a Buzey planer, a tenoning machine and several wood split pulleys: also a lime extractor, heater and filter, a number of purchases of the latter having been made at the Exhibition.

The Canadian Mineral Wool Co., Ltd., of Toronto, presented neat compact samples of their asbestos goods, steam packings, cotton waste, gaskets, steam and boiler covering. The Company is now manufacturing its wool in Toronto, thus reducing the cost of its material.

The Dodge Wood Split Pulley Co., of Toronto, placed before prospective purchasers a large variety of their well known split pulleys; also for the transmission of power and for hoisting purposes their tallow laid manilla ropes. They have specially made a new pulley for dynamos and motors. All their pulleys were running at high speed and attracted a good amount of attention.

Barber & Watson, of Meaford, Ont., had on exhibition one of Barber's Canadian Turbines, which is apparently easy to handle, quick to respond, steady and sturdy in motion. The firm also manufacture gearing, hangers, shafting, pulleys, saw mill machinery and machinery and castings of all kinds. They have had an experience in the above lines of trade extending over a period of 26 years.

Messrs. Shurly and Dietrich, of Galt, had the most imposing show in the Main Building, being their exact World's Fair exhibit, for which they received the highest awards. Their racer saws, which are exported to the States, are made of the celebrated Jessops' steel and ground and finished by special process known only to the firm. The circular saws exhibited were from 1 inch to 90 inches in diameter.

The Whitman & Barnes Manufacturing Co., of St. Catharines, Ont., had in the Main Building an exceedingly artistic, compact and well arranged exhibit of machine knives. The firm have factories in the States, with branches in England and France, the St. Catharines works being the Canadian branch. It is stated that in the manufacture of their products they use the largest quantity of sheet steel of any firm in the world.

The Hart Emery Wheel Company, Ltd., of Hamilton, Ont., showed in running order their Rogers Automatic Band Saw Filer for band re-saws from 2 to 6 inches wide. This machine is simple in design and easily operated. The pawl moves to the left at about 45 teeth to the minute. The emery wheel moves in and out of each tooth as it passes, grinding either front, throat or back, or all three, as may be deemed necessary.

William C. Wilson, of Toronto, had an attractive display in the Machinery Hall of all kinds of lubricating oils and grease, engine packing, belting, electric carbons, cotton waste, &c., also samples of ammonia oils—the latter being subjected to a very high cold test and being specially prepared for ice makers and brewers. Mr. Wilson's stand was well arranged and decorated with electric lights, which showed off his exhibit to advantage.

F. E. Dixon & Co., 70 King St. E., Toronto, showed samples of different kinds of belting—round belts, rubber belting, cotton and lace leather, belt studs, twisted raw hide belting, and their Goodyear welting. The firm supplied the 18-inch double belt which was driven by the 40 H. P. engine belonging to the Johnson Electric Co. to run part of their machinery, and during the time of the Exhibition it had been in use had not stretched.

Messrs. Cowan & Co., Galt, Ont., presented a very good exhibit in the Machinery Hall, consisting of a 10 inch endless bed, 4 sided molding machine, with self adjusting pressure bar used on any shape molding. The firm will shortly bring out a new molder, adopting an entirely new principle. The Company also manufacture for Mr. Moffatt, of Woodstock, Ont., a patent feed water heater, being a lime, mud and soil extractor as well as a condenser.

Messrs. Small & Fisher, of Woodstock, N. B., exhibited the "Getchell" shingle machine, the carriage of which passes the saw opposite to the side on which the arbor is attached, so that a larger shingle can be cut with a smaller saw than can be done when the carriage runs on the same side as the arbor. The bolt being set while the carriage is advancing slowly towards the saw, receives no jar, and consequently saws a more even shingle. The machine is exceedingly easy to operate, no extra counter shaft being required to drive the jointer.

The Northey Manufacturing Co., Ltd., of Toronto, exhibited in the Machinery Hall several of their well known pumping engines. The one that attracted most attention from those practically interested, was their Underwriters' Fire Pump, the dimensions of which were 14 x 7 x 12, giving a capacity of 500 gallons of water per minute—equal to 2 1/2 inch smooth nozzle streams—the engine, to produce this result, was driven at the rate of 70 revolutions per minute. The Company also showed

an independent condenser, capable of supplying the wants of any steam engine of 200 H. P.; a brewer's air pump, with automatic regulator, as well as several small duplex feed pumps.

The Wm. Hamilton Manufacturing Co., Ltd., Peterborough, Ont., had on view the "Boss Turbine Water Wheel," which they claim gives the highest percentage of useful effect for every cubic foot of water used. It is made in dry sand, having smooth, even surfaces. The improved water wheel governor made by this Company is claimed to be the most simple, durable and efficient in connecting rapidly any disturbed motion of machinery driven by water power. The Company also manufacture Perkins' celebrated shingle mill, M. Covell's improved saw sharpener, and all kinds of high class saw mill machinery.

J. H. Banes, of Toronto, made quite a success in showing "The Phillip Mitreing Saw and Dado Machine" in the Machinery Hall. During the exhibition there was always a crowd of practical men examining the working of this new machine, which is peculiarly adapted to fine work, especially in the housing of stair strings, dados, shelving, window frames, doors, &c. The circular saw itself can be quickly adjusted to any angle, and can cut perpendicular or any mitre right or left, at any degree, and by its adaptability it produces the finest possible work, doing away entirely with the rough, ragged edges so commonly seen. The saw is usually driven at a speed of 1800 to 2000 revolutions per minute, although when tested at the Exhibition it was running at the rate of 2300 revolutions.

The Waterous Engine Works Co., of Brantford, Ont., exhibited one of their heavy band saw carriages, which is built with the best materials—head blocks of verder steel; segments and pinions of wrought cut steel; track very heavy, weighing 20 lbs. to the foot; set works being of Hector Gawley patent, double acting, and so constructed that not one-hundredth part of an inch is slack in the operation of the lever, thus insuring perfectly accurate cut lumber. The carriage is also provided with offset suitable for band mill work. This carriage is driven by Gunshot feed, which is much admired by practical lumbermen who have seen it in operation. The firm's enterprise has been rewarded by the sale of this particular carriage to Messrs. McRae Bros., of Ottawa, who are placing it in the Calabogie mills on the Kingston and Pembroke railway. The Company have gone extensively into the manufacture of saw mill machinery, and are sole makers of the celebrated "Allis" band mill, and also W. H. Hill's specialties, such as steam niggers, log kickers, &c. They had also at work two No. 3 Champion portable engines, driving a number of agricultural implements.

A. R. Williams, Soho Machine Works, Toronto, had at the Industrial Exhibition, Toronto, this year one of the largest and most varied exhibitions in Machinery Hall, consisting largely of iron working machinery, lathes, planers, drilling machines, etc. His radial drill drilling to the centre of 50", and drilling at any angle without changing the position of the work, attracted special attention. He also showed a large assortment of the celebrated "Reeves" wood-split pulleys, a shaft loaded with these pulleys being constantly in motion. These are claimed to be the strongest wood-split pulleys manufactured, being nailed and glued throughout and the arms being built into the rim giving them great firmness at this joint. The quartered bush in these pulleys gives great adhesion to the shaft, while the arm is so constructed as not to fan the air and to be easily bolted to the shaft. Another attractive feature was a row of the celebrated Pickering Governors, also in operation in front of his exhibit, the name "A. R. Williams" being artistically worked in twist drills of the celebrated Cleveland make. He also displayed two cases of brass goods and machinist tools very neatly and tastefully arranged, while his Sturtevant heating and ventilating apparatus was in full blast, the engine driving the same being attached to the shaft of the fan; the effect of this blast was neatly shown by red, white and blue ribbons attached to the discharge of the fan. This celebrated heating and ventilating apparatus may be seen in operation in the Massey Music Hall, the Massey Mission Hall and in dry kilns in various parts of the city and province. He also had in operation one of his celebrated duplex Worthington pattern steam pumps supplying the water for the cascade at the east end of the building. He also showed one of the Barnes foot power lathes which are so much in demand among the manufacturers and repairers of bicycles; while in the rear on a table was a fine display of lathes and drill chucks of the best American makers. The same exhibitor showed at the east end of Machinery Hall outside of the building a wood-yard apparatus, consisting of a portable engine and boiler, swing cross-cutting wood saw machine, and the Hildrith patent single wood splitter, cutting and splitting the wood used by the various engines on the ground. This exhibit very justly attracted great attention, and the exhibitor deserves credit for his enterprise, and his men credit for the taste displayed in arranging and operating the machinery on exhibition.

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