

## THE NEWS.

## ONTARIO.

J. F. Lilliecrop has opened a lumber yard at Lakefield.  
Wm. Grier, of St. Patrick, is putting shingle machinery into his sawmill.

Harmon Gilmore, shingle and planing mill, Vittoria, has assigned to J. H. Johnson.

White & McCreary, sash and door manufacturers, Amprior, have assigned to Ephraim Mohr.

The C. Beck Manufacturing Co., Penetang, have their two mills running to their fullest capacity.

A log came down the Gatinou river drive for Gilmour & Hughson, which measured 3 feet 10 inches in diameter.

J. McLaren & Co., Wakefield, are having a survey made with a view to having a branch of the G.T.R. run up to their mills.

Carruther & Shaw's shingle mill at Penetang, is doing a large business. It is contemplated fitting the mill up as a complete planing mill.

McLaren's mill at New Edinburgh has commenced running. The mill is not a very large one, there being only four gate saws together with some circulars, but it has always been remarkable for the large cut that it makes.

Log driving in the vicinity of Deux Rivières is about completed for the season. Wm. Fitzsimons, agent for J. & B. Grier, has delivered a fine drive of dimension timber at Gordon creek, and G. A. Fraser has come forward with a drive from Antoine creek.

The Keewatin Power Co., capital \$1,000,000, incorporated by Alex. Fraser, lumberman, Westmeath; Wm. Gibson, M.P., Richard Fuller, Hamilton; John Mather, of Ottawa, and W. H. Brouse of Toronto, to furnish hydraulic and electric power from the Winnipeg river and establish factories, dwellings, and so forth, is gazetted.

A large number of men are engaged in Eddy's old planing mill at the Chaudière removing the floor to make ready for the putting in of machines for a paper mill. The building is a very large one and it will take a long time to fit it up and have it ready for work. The water power will have to be changed around and new beams put in some places.

Capt. W. H. Kelly, well known as the former skipper of the tug Matilda on the Ottawa river, but now of Montreal, has completed the purchase of some 1,600 logs, lying at Little Moose creek, from the Casselman Lumber Company. These will be made into boards and will be shipped by the Canada Atlantic Railway, via the South Nation river.

Seaman & Newman, of Warton, have built a large raft of square timber for the approaches of the Canadian Soo Canal. Its entire length is 180 feet, 25 in width and about 14 feet deep, 11 feet of which is under water. It contains 750,000 feet of hemlock square timber and is built in two cribs, so bolted together that it will be almost impossible to break it up.

W. C. Reid, lumber merchant, of Fergus, was committed for trial at Guelph, on a charge of attempting to buy counterfeit money. The case was worked up by Provincial detectives Rogers and Greer, upon information furnished by Major Percy Sherwood, of the Dominion police. Two of Reid's letters to "A. B. Morgan," a supposed New York green goods man, were returned to the dead letter office and a decoy letter from the detectives had the effect of landing Reid.

Sad is the case of William Reardon, a man who has been in the hospital at Toronto since February and who is probably disabled for life. He was sent here from the mills of the Ontario Lumber Company in Western Algoma with both feet frozen. Reardon lost the use of his feet in saving a French-Canadian boy from being frozen to death shortly after the deep snows settled on the lumber woods last winter. The lad ran away from the mills, but was tracked and followed some sixteen miles by a few of the men who knew he would freeze to death if he stayed away. The boy was recovered but Reardon had his feet frozen. There were no medical appliances at hand and when the man's feet thawed out some of the toes had to be removed by his fellow workers with ordinary tools. He grew worse and had to come to the hospital, where nearly all the toes were amputated. He is there yet and will be a cripple for life the doctors say.

## QUEBEC.

Zepherin Perrault, builder, Montreal, has assigned, owing about \$18,000. He was a railway contractor until two years ago, when he started up as trader and builder.

The White Wings Ship Company, has been formed at Quebec with a capital of \$12,800 to build a wooden vessel of 350 tons to trade to New York, River La Platte, Rio Grande do Sul and other South American ports.

A lumber dealer in a moderate way at L'Assomption for the last five years, Oswald Chaput, has arranged a cash composition with his creditors on liabilities of about \$4,000. He is reported to have been before unsuccessful, while at Valleyfield in the grocery business.

A despatch from Three Rivers says: The lumbermen of this locality are highly incensed at the delay in obtaining their lumber for sawing owing to the slowness of the officials in having the various bonuses distributed. It is also owing to the action of the federal government in curtailing the allowances of cash, generally voted for lumbering operations on the St. Maurice. Heretofore \$11,000 has been voted, but this season only \$6,000 are allowed. The lumber operations at the mills have been put back for more than two weeks.

## NEW BRUNSWICK AND NOVA SCOTIA.

W. H. & J. Rourke, lumber dealers, St. Martins, N.B., have compromised at 50 cents on the dollar.

The steam sawmill, owned by Levi Dinsmore & Sons, and recently burned at Noel, N.S., will probably be built this summer, as only half of the season's logs are cut.

The Forest Holme has sailed for Garston with a heavy cargo including 1,834,716 feet of deals and battens, 55,710 scantling, and 136,965 lath. She was loaded by W. M. Mackay.

The mills at St. Martins, N.B., are all at work. White, Fowles & White got their drive of 4,000,000 out, and are running night and day. Mosher & Co. got out 2,500,000 and other smaller mills about 1,000,000.

Nathaniel Wilson, a well-known lumberman and farmer of McNamée, Parish of Ludlow, N.B., was found dead at his log landing, near his home. The deceased was alone, putting in a landing of logs when he was struck on the head with a skid and instantly killed. His dead body was found by two young men. He was about 48 years of age and leaves a widow and three children.

The Norwegian bark, Benjamin Bangs, reached Halifax, N.S., from Vancouver, B.C., after a voyage of 165 days. She has inaugurated a new trade—the shipment of spars, etc., from the Pacific coast to this region. Her cargo, consigned to Bentley & Fleming, is valued at \$25,000, and the freight was \$11,000. It consisted of 194 Oregon pine masts, 100 feet long and 12 to 30 inches in diameter; 50,000 feet pine plank; 30,000 feet pine flooring; 80,000 feet red cedar; 50,000 feet spruce flooring; 250,000 red cedar shingles and 10 monster pieces pine timber 45 feet long.

## FIRES AND CASUALTIES.

## FIRES.

Schliehauf Bros.' stove factory, West Lorne, Ont., was totally destroyed by fire 20th ult. Loss about \$4,000.

The building and machinery of Davidson & Hay's mill at Cache Bay, Ont., was badly damaged by fire a few weeks ago.

C. P. Holton, lumber and sash factory, Belleville, has been burned out. Loss about \$8,000; insurance \$2,000. Mr. Holton has been a great sufferer from repeated visitations of fire to his property. It was but nine months ago since the big fire took place in his lumber yard, whereby a loss of \$17,000 was incurred. He will at once rebuild and resume business.

## CASUALTIES.

R. Manning, employed on the Rathlun Company's drive, fell off the boom above the slide at Kinnmount, Ont., and was drowned.

Michael Cleary had both legs broken while working on Fraser's drive on the Petawawa, Ont., death following the severity of his injuries.

A man named Augustin Royer, a millman at Bertrand's sawmill in Clarence township, had three fingers cut off by the circular saw.

Joseph Dube, a laborer, while at work at Hortubise's mill at Casselman, Ont., had one of his arms accidentally cut below the elbow.

A young man named Drake, whose home is at Baysville, Ont., was drowned a week ago in the south branch of the Muskoka river with a gang of men driving logs for Mickle & Dymont.

Alexander McDonald, employed in Mickle, Dymont & Sons' sawmill, Gravenhurst, Ont., received severe injuries while attempting to put a belt on a pulley. His head and arms were badly cut and bruised.

Herman Woodland, 15 years of age, had his clothing caught by one of the chains in Booth's mill, Ottawa, and before he could extricate himself was drawn against a circular saw and killed. A verdict of accidental death was returned by Coroner Mark's jury.

Albert Hein was drowned at Eganville, Ont., whilst endeavoring to draw back a log that had lodged on the face of the dam into the mill pond.

A riverman named L. Cole, and hailing from Daere, Ont., and working on McLachlin Bros.' extensive drive near Eganville, had his arm jammed between a rock and the end of a log, almost severing it. It was afterwards amputated.

Frances Paron was drowned near the Quinge rapids on the Ottawa; and Thomas Newall, while trying to run the rapids of the Madawaska on a sawlog forfeited his life for his foolhardiness. Both men were employees of Thomson & Weston.

## STRENGTH OF SHAFTING.

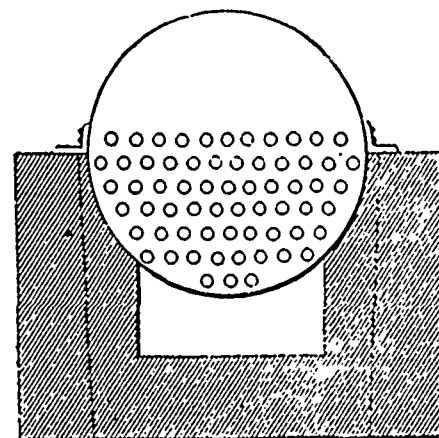
It is generally pretty well known that a shaft will transmit power in proportion to its running velocity, and, therefore, the faster a shaft runs the lighter it should be within reasonable limit. The use of extremely heavy shafting is not advisable under any circumstances unless actually needed to perform the work required. That there should be an ample margin of strength no one will deny, but shafting multiplies in strength so rapidly as sizes increase, that the unenlightened are apt to make the selections much too large when aiming at only strength margin. To show how easily uninformed mechanics may make mistakes of that kind, it is only necessary to say that a three-inch shaft has nearly three and one-half times the transmitting strength of a two-inch shaft. None unaware of the fact would ever guess at that difference and may fall into the error of selecting a three-inch shaft to safely do the work of a two-inch.

## THAT BAND MILL ACCIDENT.

THE Waterous Engine Works Co., Brantford, Ont., write of the accident that occurred at J. D. Shier's mill at Bracebridge: "The band mill was speeded by us when we left it in Mr. Shier's mill, at 390 revolutions per minute, and it had run in this way for six or seven weeks. The week previous to the accident Mr. Shier increased his boiler capacity and then speeded up his engine, and as a result the band mill was run 420 revolutions per minute. It was tested here to 450. An examination of the remains after the accident in endeavoring to ascertain the cause, revealed the fact that the governor belt was tightly twisted round the engine shaft, the lace holes being torn out at the ends. This was direct circumstantial evidence that the governor belt had broken and the engine had run away, increasing the speed to such an extent that the band saw fly wheel, already put to its limit or probably beyond, could not stand it. They were not sawing at the time, turning a log. The accident might have been avoided by having a stop motion on the engine, which would have stopped it immediately the belt broke. Mr. Shier's damages will probably not exceed \$500, and he will probably be running again inside of 10 days. What we wish to do is to correct the impression that the band mill was at fault. The accident was one that could have been avoided had proper precautions been taken with the engine, and one that is liable to happen at any time where the speed of the engine is uncontrolled."

## BOILER SETTING.

HAVING seen a way of setting boilers which is new to me, I send the enclosed sketch, writes a correspondent of Power. The bridge wall is run up to within 12 inches of the boiler, and the opening is only 34



BOILER SETTING.

inches wide—being proportioned about as shown in the sketch. The boiler is 54 inches in diameter by 14 feet long. If the boiler is ever burnt or blistered I think it will be at a point just over the bridge wall. Besides, I am of the opinion that this setting materially reduces the heating surface of the boiler shell.