

Chips.

It is estimated that 1,000,000 feet of logs, mostly belonging to Snoqualmie loggers, went out to sea in a late froshet. The loss amounted to about \$2,500.

THE Chicago, Milwaukee & St. Paul railroad has used 5,000,000 feet of lumber this season in building snow fences to the extent of 15 miles on its northwestern line.

THE Winnipeg Times says:—The St. Albert Mission authorities will get out 1,000 logs, about 100,000 feet of lumber, from their limit at Egg Lake this winter to be worked up in the Sturgeon mill next summer. Mr. Mijean, of St. Albert, is the contractor.

A LARGE belt was made in Lowell, Mass., this winter. It was of leather, 160 feet in length, 54 inches wide, three ply. It took the backs of 209 hides to make this belt, its weight is over a ton, and the cost over two thousand dollars. The belt was for Pillsbury, of Minneapolis.

THE total packing of salmon on all the rivers on the northwest coast of America in 1882, amounted to 941,187 cases, each of which contained the equivalent of 48 pounds of canned fish, or at least double that amount of fresh fish, equal to about five million individual salmon of ten pounds each.

THE ship Portland, from Quebec to Greenock, laden with lumber, was abandoned by the crew November 16, and became a total wreck. The last seen of the crew was in a boat struggling against a wave toward a point where it seemed impossible to land. No tidings from them had been received up to a late date.

PARTIES at Caribou, Maine, are gathering the cedar bark about the shingle mills and other places and ship it to Massachusetts, where it is manufactured into a coarse paper to be used under carpets to keep away moths and other insects. Here is an idea that may be valuable to owners of cedar in this vicinity.

A LARGE pile of lumber fell in D. J. Carroll's yard, New York city, November 24. One man, Martin Cunningham, was crushed to death instantly, and several injured. Three were taken to the hospital, and may not recover. The pile of lumber was 16 feet square, and the men were running it up 30 feet high.

A FINE tree lately cut for Cade & Ely Brothers, near Frederickville, Mich., which was nearly six feet in diameter at the stump. It was cut into five logs, three 12 feet and two 16 feet long, and contained 8,216 feet of stuff, so good that it was estimated to be worth \$30 a thousand. The total value of the tree, at this rate, was \$245.48.

NEW buildings have recently been erected in Tokenhouse Yard, London, for Messrs. Spiers & Pond as a restaurant, covering altogether an area of 11,800 square feet; all the ornamental woodwork is of American walnut. It is worth recording that Tokenhouse Buildings, which have been erected at a cost of about £80,000, stand on ground left in trust to the Mercers' Company by Lord Mayor Whittington.

THE uses to which paper may be put at some future day cannot be told at present. From the simple writing and printing paper we have slowly ascended to artificial parchment, water pails, bath tubs, boxes, houses, chimneys; and the latest use of paper has been made in St. Petersburg, Russia, in the construction of a paper vessel, 25 feet long and five feet wide. She is driven by steam and the trial trips have proved quite successful. The recent trials made for the purpose of using paper for railroad purposes has led to this experiment.

A specimen of extra quick work in the line of bridge construction was mentioned at a recent meeting of the Engineers' Club of Philadelphia. The following notice was read from the Mexican National of Laredo, Tex.: "On the sixth day of September, the anniversary of the loss of the bridge last year, the Mexican national railroad bridge was carried away by high water. On the 16th of September the first pile was driven for the new structure, which was completed on the 23rd, and trains were running regularly after that date." This is pretty quick work, the erection of a bridge six hundred feet long in seven days.

A MANUFACTURER of logging sleighs and wheels at Grand Rapids, Mich., is of the opinion that large wheels will supersede sleighs for logging purposes. In his business of supplying the means for hauling logs he finds that the demand for sleighs is diminishing as compared with the requirements for wheels. Snow is becoming a precarious surface for locomotion, and summer logging is becoming more in vogue each year.

MR. E. JACK of Fredericton, N. B., leaves for Edinburgh, Scotland, in April to attend the Forestry Exhibition. He goes at the instance of the New Brunswick Land and Lumber Company. The Quebec Chronicle urges the appointment of the Hon. H. G. Joly to represent the interests of Quebec province. The Star backs the Chronicle's nomination. Why not appoint him for the Dominion? So asks the Ottawa Free Press.

THE Clyde Trustees, on account of increase of traffic for several years past, but last year especially, have decided to take steps for the erection of new wharves on north and south sides of the river, two on the north and two on the south (west of Kelvin), the entire length of the whole amounting to about 3,000 lineal yards. There is also to be erected a passenger wharf at Dalmuir. Mr. Deas, engineer to the Clyde Trustees, has furnished all the plans.

THE London Free Press says:—A lot of writ- or is informed that the firm in Quebec which has made the most money this year in wood is one which sends a member to South Africa, who goes from place to place picking up small orders, which have been shipped, so Quebecers say, at prices which have made the business a small bonanza for the firm. Enterprise brings its own reward, always. Quebec would not be the "Sleepy Hollow" it is were its citizens generally more enterprising.

THE application of a spring or suspended weight to shutting a door keeps that shutting noisy. To remedy the evil, two German mechanics have invented a pneumatic device, wherein the act of opening the door moves a piston away from a suction valve, causing air to be drawn freely through the latter. As the door is closed the piston returns, and the air has to escape, but can only do so by an aperture much finer than that through which it entered; hence a brace-like action on the door.

THE following number are a fair illustration of the progress of our plant knowledge: Hippocrates described 234 species; Theophrastus followed with 500; Pliny knew 800. Tournefort, at the beginning of the last century, described 10,146. Many of these were bad species and as such rejected, so that at the death of Linnaeus 7,294 were accepted. De Candolle made in his "Theory of elementary botany," 30,000 species. Lindley, in 1853, gave the number as 92,920. Now nearly 150,000 species are known, with possibly an equal number not yet known.

THE Lumberman's Gazette says:—The forest product of the United States exceeds in value annually any other single crop. The annual yield in raw material—such as lumber, fuel, bark, etc.—at a low average, reaches fully \$800,000,000 in value. In view of this enormous source of wealth, and the necessity of preserving and perpetuating it as far as may be possible, it is the duty of the general and state governments to use all the means in their power to preserve our forests, and prevent the useless waste and destruction of timber, especially on the public lands.

THE Copland system of asphaltic wood pavement, introduced in London, is claimed to meet some of the most important requirements for the purpose which have hitherto been unfulfilled and, though more costly at first than some other methods of roadway construction, its durability and satisfactory wear more than meet that point. The advantage of simplicity is at once presented, namely, a bed of concrete, with a layer of asphalt over it, upon which are laid transverse courses of red pine blocks, with intermediate spaces; those spaces are filled in partly with heated mastic asphalt, and then with coarse lime and gravel grout flushed with hot air, to the surface of the roadway. Finally, about an inch of rough gravel is spread over the whole, and left to be worked in and compacted by the ordinary effect of traffic.

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