

greatest duty is to impress upon the owners of the land that it is in their interest to devote a portion of their land to the planting of groves of trees. We should establish experiment stations for the careful study of the requirements and capabilities of soils and different kinds of trees; and we should publish the results of these observations in a form particularly calculated to impress the importance of these measures and to teach the plainest and simplest rules for securing their success. If we rightly read the signs of the times, public attention is already awakening upon this subject, and we should lead this question, and not wait to be driven by it, in whatever measures may appear necessary for the promotion of this object.—*Journal of Forestry.*

#### SPRUCE IN ENGLAND.

The London *Timber Trades Journal* of Sept. 30th, says.—The spruce market on the west coast practically remains unaltered. The strength of the market is reported to mainly lie in the fact that very little spruce has for some weeks been sent inland: consumers have therefore had to work almost entirely from stock. Some of the inland stocks are already said to be greatly reduced, and should any considerable arrivals shortly come forward, it is thought there will be plenty of demand for them. At the recent sale an unusual quantity of ends were offered, and, as will be seen, good prices were realized.

Spruce is a class of wood that is not likely to remain long unshipped, and with the wind up of the season it is possible we may have very little difference to record between the stocks of last year and this.

In England, as in this country, considerable whitewood is made into pulp for paper making. Redwood is not suitable for pulp, as it does not impart the proper color. The English pulp is made from the timber of Norway and Sweden.

The Duke of Athol has planted 2,000 acres of forest since the beginning of the year. Thus his grace repairs such accidents as that of the "Tay Bridge" gale, which uprooted 30,000 trees throughout the wide possessions of the ducal forester.

The new main river dam on the Menominee, a few miles above Chalk Hills, Mich., has been completed, costing the boom company \$15,000. It has six 11-foot gates, and on the first trial the full head was raised in nine hours, the flow being four miles back.

The *Timber Trades Journal* says:—One of the natural effects of wood being at high prices is that all sorts of experiments for procuring cheap timber are resorted to. Thus, now that spruce deals have so much advanced in value, we find Riga whitewood sleeper blocks are being freely dealt in at the west coast ports. It rarely indeed happens that whitewood of any description, or form of manufacture can be brought into competition with spruce. Nor are we inclined to believe at the present juncture that Riga white sleeper blocks at their relative market value compete in points of economy with spruce deals. Presuming, for instance, that the blocks can be sold at 20s. per standard lower than spruce deals, it is yet difficult to believe that they cost less to the consumer.

A MINNEAPOLIS correspondent of the *Northwestern Lumberman* says:—The weather has been very dry of late, and logs scarce. Quite a number of the mills have shut down. The demand for lumber throughout the Northwest is unabated. Logs are selling in the Black river at from \$2 to \$3 per thousand higher than last year. J. L. Gates sold a couple of days ago 4,000,000 feet, banked on the upper Black, to B. B. Healy, of La Crosse, Wis., for \$9.25. The same grade of logs sold last year for \$8.50. In fact there but few logs for sale on the Black river. Chippewa lumbermen are offering logs, and claim they will cut the coming winter 1,000,000,000 feet. I think 200,000,000 feet will be put in on the Black. George H. Ray, agent for A. Coburn, of Maine, has sold the Coburn tract of pine land, on the Eau Claire, to the Eau Claire Lumber Company, for \$600,000.

## Chips.

The Perry Sound Lumber Company's barges Lothair, Corisando and Van Straubenzee were all caught in Lake Huron, off Sandy Beach, in the storm which wrecked the Asia, but they weathered the gale, and reached Sarnia without the loss of a board.

Statistics furnished to the tariff commission show that the entire lumber districts of the United States give employment to 90,000 persons in the mills and 135,000 in the forests, who earn \$50,000,000 a year. In Michigan the men are employed 200 days in the year in the mills, and 140 in the forests, the average daily wages being from \$2.05 to \$2.10.

The *Lumberman's Gazette* says:—Minnesota lumbermen have hard work in finding enough oxen for the lumber camps, and they come high too. Prices range, in the country up north, where they are purchased, from \$175 to \$400, the latter figure being for a seven foot nine inch yoke. In Minneapolis the oxen would be worth from 20 to 30 per cent more.

COBB & MITCHELL's new logging railroad from Cadillac, Mich., to a point on section 7, Missaukee county, is four miles long. To reach the elevation where the camps are located at the eastern terminus of the road an ascent of about 200 feet to the mile is made. Active logging operations will soon begin, and it is anticipated that 14,000,000 feet of pine will be taken to the mill over this road. Camps are now being erected.

The *Lumberman's Gazette* says:—Three hundred million feet of logs embraces a large amount of money, and when they are not available it means just so much dead capital. It is now estimated that three hundred million feet of logs will be hung up this year on the Muskegon. The mills will probably get an early start next season, and if no labor difficulty presents itself, a heavy season's cut may be counted on, as the winter's logging will be fully up to the average, and the indications are that it will exceed those of former years.

The *Buffalo Lumber World* says:—Mountain forest fires in California did a great deal of damage during the past month. Large quantities of standing redwood were destroyed and houses, mills, etc., went up in smoke. Some time, owners of timber land will be awakened to the necessity of adopting adequate preventive measures against such wholesale destruction. Of course it would hardly be possible to entirely prevent the occasional occurrence of such conflagrations, but the majority of them result indirectly from the carelessness that is little less than criminal.

The *Monetary Times* of Oct. 6, says:—Spruce deals are in active demand in Quebec, according to advices of Monday which state that 300,000 Quebec Standard was sold in three days of last week. These were bought by It. It. Dobell & Co. and were the manufacture of Louis Ritchie & Co., Roche's, Atkinson's and Breakey's mills, the prices were: \$28 to \$40 for first quality, \$27 to \$29 for second quality, and \$24 for third quality, with 30 per cent. oddments and 70 per cent. regulars. Other houses are expected to follow suit. Manufacturers are, however, adds the despatch, at an advance on foregoing quotations.

The *Pembroke Observer* of Sept. 28, says:—The steamer Pembroke took down a large tow of square timber last Saturday from Des Joachims, belonging to the Scotch Lumber Company managed by Allen Grant. It was not rafted up, being simply in a boom like saw logs. The timber was towed to the shore below lower town near the residence of Mr. John Bell, where it will be shipped on the railway to Quebec. A switch to facilitate this has been constructed from the main line of the C. P. R. close by. Several tows have yet to be brought down, there being altogether 11,000 pieces of timber. One raft, we believe will be rafted up and taken to Quebec by water, the unusual height of the water this season making this an easy possibility. It will be remembered that it was originally intended to have put this timber on the cars at Mackey's station—the point of shipment last year—but the high water permitted it to run over the Des Joachims Rapids all right and it was resolved to ship it from Pembroke instead.

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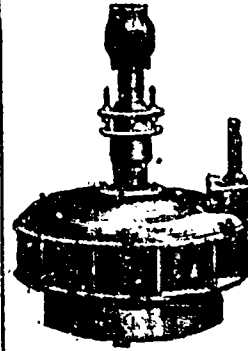
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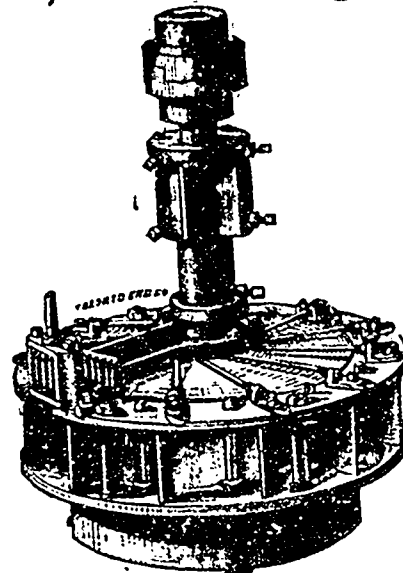
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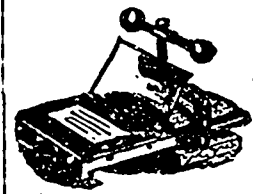
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