

LOGGING IN THE NEVEDAS.

A correspondent of the *North-western Lumberman* says:—"A chute is laid from the river's brink up the steep mountain to the railroad, and while we are telling it, the monster logs are rushing, thundering, flying, leaping down the declivity. They come with the speed of a thunderbolt and something of its roar. A track of fire and smoke follows them—fire struck by their friction with the chutologs. They descend the 1,700 feet of the chute in 14 seconds. In doing so they drop 700 feet perpendicularly. They strike the deep water with a report that can be heard a mile distant. Logs fired from a cannon could scarcely have greater velocity than they have at the foot of the chute. The average velocity is over 100 feet in a second throughout the entire distance, and at the instant they leap from the mouth their speed must be fully 200 feet per second. A sugar-pine log sometimes weighs 10 tons. What a missile! How the water is dashed into the air! Like a grand plume of diamonds and rainbows the feathery spray is hurled to the height of a hundred feet. It forms the grandest fountain ever beheld. How the waters foam and seethe and lash against the shore! One log, having spent its force by its mad plunge into the deep waters, has floated so as to be at right angles with the path of the descending monsters. The mouth of the chute is perhaps fifteen feet above the surface of the water. A huge log, hurled from the chute, cleaves the air and alights on a floating log. You know how a bullet glances, but can you imagine how a saw-log glances? The end strikes with a heavy shock, but glides quickly past for a short instant; then a crash like the reverberation of artillery, the falling log springs vertically into the air, and with a curve like a rocket falls into the water, a long distance from the log it struck."

A KEE, piece 156 feet in length, and 30 inches in diameter at the top end was recently got out at Seattle, W. T. Eighteen oxen hauled it on a skidded road.

TREE PLANTATIONS.

Mr. F. P. Beck, Bethany, N. Y., afforded an example of what can be done in forest culture. He began a plantation of trees on rather poor soil, which consists of a clay loam resting on shelf-rock near the surface. He grew European larches and Scotch pines. At two years from the seed, these young larch and pine trees were transplanted to places where they are to remain four feet apart each way, an acre thus containing 2,640. Those that have been set six years are now ten or twelve feet high, vigorous in growth and branching so extensively as to make it difficult for one to pass through the woods. These are from two to three inches in diameter at the ground. Those set eight years ago are from eighteen to twenty-four feet high and from four to six inches through. The pines are planted out sixteen feet each way. In a year or two Mr. Beck will begin to thin out the larches, using them for poles and small fence posts. The land is thought to pay as well in these trees as if planted to ordinary farm crops, while the advantages they afford in protection to other crops and to the farm buildings is incalculable. Mr. Beck believes if 20 per cent. of our older and rough cleared land was planted to forest trees, it would render the remaining 80 per cent. more productive and valuable than the whole now is.

A FIVE-FOOT saw, running 700 revolutions a minute, burst in Salling, Hanson & Co's mill at Grayling, recently, with terrific force. One piece went directly upward through the roof, cutting a raster completely off, and another went through the end of the mill about 40 feet distant.

THE *Evart Review* says:—Mr. Snyder tells us that a company of men in Greenville have organized to build a narrow gauge railroad from Muskegon river, between Crapo and Paris, to the pineries in Mecosta, Church, Moon, Crosby, Nichols and Palmer are in the scheme, and 70,000,000 feet of pine to cut, besides large quantities of hemlock, etc.

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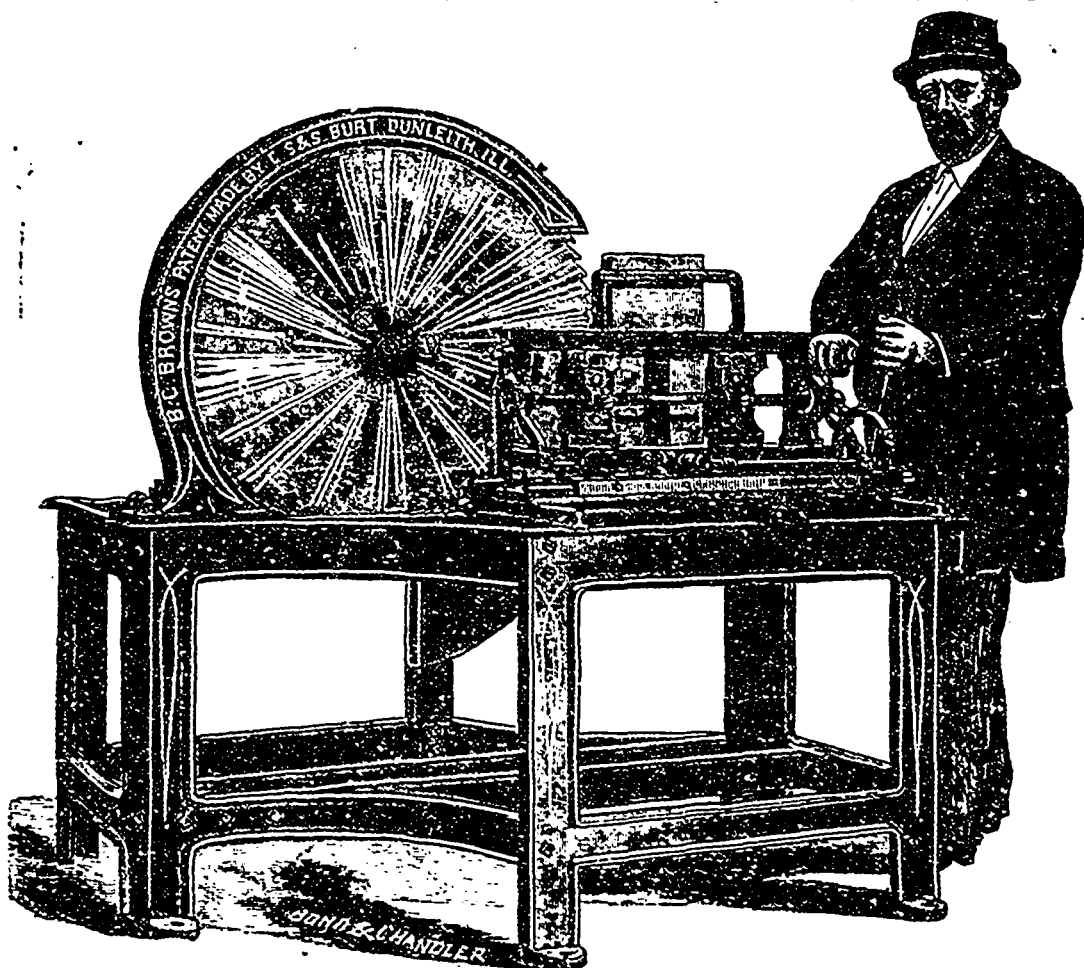
with Steam Feed for Steam Mills, and Rope or Rack Feed for Water Mills is fast coming into general estimation and is used in place of Gang Slabber in our best Canadian Mills. One of our Span Circulars which will slab logs 25 inches in diameter down to 7 and 8 inch stocks, will do the work of three slabbers, with an immense reduction in first cost, running expenses and labour. Two of these machines can be seen at work in Messrs. Gilmour & Co's Mill, Trenton, and Georgian Bay Lumber Co's Mill, Waubesa and Port Severn. I am also introducing a new style of Mill Engine, neat, substantial and simple, with Corlies Frame and Balanced Valve, all carefully designed and honestly made.

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are too well known to need any reference, any further than to say that I spare no pains or expense to have my work all first-class and give satisfaction, and as I make Heavy Saw Mill Machinery a specialty, any party wanting a First-class Mill will find it to their advantage to give me a call.



WILLIAM HAMILTON, Peterborough Foundry and Machine Works, PETERBOROUGH, Ont.