SAW vs. PULP MILL.

That the saw mill and the pulp mill cannot live in peace on the same river is daily becoming more apparent-at least in eastern territory-as is instanced particularly in the last season's log drives in Maine. While it is true that drives may be late in any year from natural and unavoidable causes, it is also true that much of the delay rately experienced in Maine has been caused by the holding up of drives at sorting gaps in order that pulp logs may be sorted out from the oth-This process of sorting out delayed the East branch drive seventeen days this year, and at last advices there was no telling how long it would take to sort the pulp logs from the West branch drive. There is apparently no remedy for this, because with the pulp men buying logs from many different operators, located at widely separated points along the lumbering waters, the · arious lots of logs purchased must necessarily be mixed all through the drives when the logs are started down the rivers in the spring. It seems to be a question as to which will survive—the pulp mill or the saw mill-and as the pulp men are the richer and their business the more profitable, it is the belief of many that, except where favored by exceptional advantages, the saw mills must soon disappear.

This prospect is regarded variously by the people of Maine. Some say that if the pulp men are the more prosperous and can pay higher prices for logs than can the lumbermen it is not only logical but desirable that the pulp mills should survive and the saw mills go. Others declare that the pulp mills, while of great temporary benefit to certain timber land owners of whom they buy supplies, will ultimately bring disaster upon Maine, by denuding the state of its forests, which eighty years of lumbering has not done.

United States Senator Eugene Hale, in a speech at Skowhegan in 1891, said. "In forty years the forest lands of Maine will be as bare of good timber as is this platform upon which I stand." At that time there were few pulp mills in Maine, but ever since those log-eating establishments have been mu,tip,ying, until to-day there is warfare between the pulp and lumbering interests as to which shall control the rivers of the state. Calvin Moore, a prominent lumberman of Somerset county, Maine, who has for many years operated upon the head waters of the Kennebec, says:

There is no use denying the facts. The time is near at hand when lumber for the outside market will not be available in this state. It is a fact that the pulp mills have eaten into the very vitals of the lumber business. They are creeping coward the tree, where once the tree was floated to the mills. It is a common thing and has been for a number of years for pulp mill managers to purchase of lumber operators logs that the pulp managers had not time to cut on their own holdings. The Hollingsworth & Whitney Company, with mills at Winslow and Gardiner, cut more than 20,000,000 feet of logs last winter and purchased large quantities.

Friteen years ago the ordinary humber operator cut from 1,000,000 to 2,000,000 feet of logs in a winter. It was then understood that the operator would be twenty years in cutting over a township and that he could then go over the same land again, beginning where he had cut the first lot, and get just as good logs as before. As a rule, this is true. Whatever pine the operator passed by on his first cutting over, on account of its being too small, would, when he made his second trip, have grown to good size, but when he had cut that down he was out of pine, for where a pine is cut a spruce growth follows.

Now, when a single corporation cuts 20,000,000 feet in one winter we can easily see how long it will be before a township becomes entirely stripped of its spruce. In a short time the great time

ber section will be an expanse of stunted growth fit for no purpose except to shelter game, and the lumber operator will have to go to Canada for his logs.—American Lumberman. ...

LARGE TIMBER CONTRACT.

Mr. F. Clergue, of Sault Ste. Marie, Ont., has signed a contract with Mr. H. R. McLellan, of St. John, N.B., which is the largest of its kind ever entered into in America, and means that Mr. McLellan has undertaken to cut and skid 300 cords of hardwood per day for two years. This wood is to be used for the purpose of making charcoal for the steel plant at the "Soo," and at the same time the bye products will be extracted and utilized for commercial purposes by the largest carbonization plant in the world.

Speaking of the contract, Mr. McLellan said. Mr. Clergue's carbonization plant is by far the largest of its kind in the world, and 300 cords of wood per day is only half the quantity that Mr. Clergue's works will really have the capacity to consume. His plant is to be constructed for the consumption of 600 cords per day. While I appreciate the fact that this is a vey large contract, I am satisfied to enter into it after seeing the immense quantities of hardwood that are lying along the Algonia Central Railway. I do not think there is any doubt about Mr. Clergue being able to supply his carbonization plant for a great many years to come. I only went out on the railway for a distance of thirty miles and m that distance I saw sufficient hardwood to supply 600 cords per day for ten years at least. The wood is all to be got on Mr. Clergue's own land. I shall bring my own men from Northern Maine and New Brunswick to cut and handle the timher, and I intend to be on the ground about the 15th of August. In addition to using horses for yarding and hauling I will use steam skidders and lidgerwood cableways for procuring this wood This carbonization plant is, I may explain, an auxiliary of Mr. Clergue's great steel works, but at the same time he saves the bye products."

ONE WAY OF DIVIDING TRADE.

The Mississippi Valley Lumberman contains an interesting article reprinted below, in which is reflected a series of incidents peculiarly true to real life.

A good many lumbermen declare that it is impossible to successfully carry on a retail lumber business without having some kind of an understanding or agreement between all of the competing dealers. Many different methods have been tried, but there has been found some drawback to each. Where a uniform price list is agreed upon the customers and particularly the farmers very soon come to the conclusion that there is some combination between the lumbermen to extort excessive profits, and accordingly they will go many miles to make sure there is active competition for their trade. The dividing of the business with reference to the total number of cars is often apt to give one dealer a great deal of advantage over the other. The quality and character of material sold varies so largely in price that this plan is not often a very equitable one to follow. One of the most general practices is to divide up the different customers in aerordance with the first letter in their name. Each retailer, in case there were two, would then have onehalf of the 26 letters of the alphabet, representmg parties whom they would consider their particular customers. By this plan, however, a good many sharp buyers soon discover that there is some scheme whereby they are compelled to purchase from but one dealer, and naturally they are inclined to make trouble. Some dealers have tried the experiment of figuring together each bill as it came up, allowing the different dealers to take them in rotation. The objection to this

method is that it necessitat a frequent was ences between the lumbermen, and the policie coming familiar with this practice, coucled the there is a combination, and accordingly is is pictous and discontented. I had a talk there day with a retailer who seen to have dend very equitable and satisfactory plan for duly up the trade of his village. There are bit in dealers at this point, and once a month the together. Twenty-six small cards are proxi and on each is printed one of the letters of the alphabet. These eards are paced in a bit is shaken up and each dealer attenuately disting out. The thirteen cards which the dealer la represents the first letter in the me d 1 hen the parties in the neighborhood who will be customers for the month. A not price is apa upon which each dealer will maintain who red for prices by any customer coar belongs to the competitor. The party who was the bill tart privilege of cutting the price ast up to me & cent. The next month the same lottery draws is gone through with. By the plan the cuts ers are kept guessing and it bives also the so blance of a very active compension between local dealers.

LUMBERMEN'S SUPPLIES.

Attention is directed to the page admixment of Lewis Bros. & Company, which ages in this issue. Every lumberman knows that it success of his business depends to a great energy on the quality of the tools he employs at Messrs. Lewis Bros. & Company have established a reputation for handling the most reliable as modern tools for all branches of the lumbing business.

The firm is well known as one of the larger dealers in lumbermen's tuppines in Canada. The are sole agents for Hurd's celebrated are, is cluding Hurd's Michigan, Dayton and Wedge feetern razor blade axes, Hurd's feetern double bit, as axes, Hurd's Michigan pattern double bit, as Hurd's 707 hand-made double bit, and other They also represent Messis. Henry Disters Sons, the leading saw makers of the Lew States, and Shurley & Dietrich, Maple Leaf Sir Works, of Galt, and supply peaces, can bed boom chains, skidding tongs, Swede's iron play hooks, etc.

Mail orders received by Messis Lewis Brock Company are given prompt and careful attema goods being shipped the same day as the order received. It is largely owing to this cardela tention to detail, as well as to the reliability their goods, that this firm has succeeded building up the immense path large it now e joys.

HOW CIRCULAR SAWS ARE MADE

Circular saws are now made of cast seleptically manufactured for the purpose. An again heated to the requisite temperature is redecided the proper thickness in powerful rolls. The parties is then centred and a circle strined upon a are which it is passed to the shearer, who releast to a circular form. The cent chole is the bored. It is then handed to the toother, the punches out the teeth around the edge, the which it is rough-filed or ground on an example of the burn left! I making the rough saw is now again heated to a large frame until it is of a bright red color. It is the plunged into a both of sperm on, which must it hard and brittle. The one is then passed leaned off, and the rest burned if in a frame to give the saw the required tenery. When edit the saw is hammered on a steel acced and meaning the saw is hammered on a steel acced and made it is quite straight. It is next ground between the saw is hammered on a steel acced and made it is quite straight. It is next ground between the saw is hammered on a steel acced and made and strike it with smooth-faced transmers or anyil as belone until it is also acted straight and true, and has aquired the proper terms which allows for expansion while the saw is volving at work. The teeth are now set also mately right and left to allow for deanes when sawing timber. They are then shaped by being filed on the front and the of the ted which operation completes the manufacture.