DIFFERENT KIRDS OF WOOD, AND WHERE

The following communication appears in the Northeestern Lumberman:—Perhaps a few observations on how to choose wood for the different purposes to which it is applied, and where to look for the different kinds, might be of use to some who may not have the opportunity to see for themselves. With that object in view, I propose to give a few facts as I have seen them.

To begin with, in Maine, perhaps the oldest and best lumber country east of the Rocky Mountains, and, taking overything into consideration, as good as any in the world, we find the different soils and locations producing a variety of woods, varying in quantity and quality according to the circumstances. There is probably an impression among many that the pine timber lands were occupied exclusively by the pine, but such is not the fact, except in certain locations. The immediate sea coast, and back from the sea from 10 to 20 miles is very rockyin many places almost or quite solid rock-yes there are valleys and spaces between and among the rocks where there is good soil; also sandy places. This formation was once mostly covered with pine, with a very little hardwood mixed. Where the timber has been cut off it is inclined to grow up to the soft woods again. Occasionally the white and yellow birch take the places of the soft woods.

It is a curiosity to see how little earth or soil in the crovices of the rocks will answer to support a pine or codar tree. It is a common thing to see trees growing on the side of almost perpendicular cliffs, where there is hardly room for the roots. These trees never grow to much mize, nor are they of much value; still it shows how nature utilizes everything. As you went back into the country there was less pine and more hardwood. The pine was extra in quality and very large in the old growth; also very durable, as the old stumps testify to this day. There are old roots and remnants of stumps still in existence from which the trees were cut 60 or 80 years. The nine has no tap root, so that when the stumps become decayed enough they can be turned up and set on the roots. This fact causes the farmers to utilize them for fencing making an impassable barrier for any animal larger than a dog. I have seen fences of that kind a hundred rods long. It was not very ornamental and an adage sprung from its looks, in common use in my boyhood, of "as homely

The mixed timber was composed of pine spruce, rock or hard maple, beech, birch, ash hamlock, and some other kinds of not much value, with a heavy growth of brush and small trees; making it very difficult to get through the woods without cutting roads; very different from the old timber lands of the West, where a wagon can be driven in almost any direction without having to cut anything. This fact, in connection with the accumulation of dead timber and brush, which lie on the ground sometimes for years, is what makes forest fires so terribly destructive in the castern states. Fire started in a very dry time will sweep everything before it. A forest fire of this kind burned over about 20 acres of my father's farm 60 years ago, cleaning up nearly everything. He let the land lie idle to grow up to timber again, and a thrifty young growth of hardwood came on the largest trees 10 years ago being six or seven inches in diameter. Another fire a few miles away burned over a tract two miles square, about 40 years ago, where a good teal of cord This fire wood and ship tunber had been out had also event everything before it, not leaving

The white oak growing on the rocky lands is very tough, and makes excellent tunber for reg in or carriago work. The beech growing in the open land is also extra good for plane and other tool stocks, being very close-grained and The fact that timber growing in the open land makes better timber where strength is required is perhaps not grow rally known but they could get an inexhaustible supply cashy, the closer it grows the better. The soil has a great deal to do with the growth as well as the quality. This is me o marked in the west places to good purpose, for fence west than in the eastern states. We frequently grown in waste places to good purpose, for fence accountified ties, and is one of the most of the most of the past year's values seems to have call inthe original to freely of uncooked fruit and too much mean, cheese, etc. We frequently posts or railroad ties, and is one of the most of the most of the past year's values seems to have call in the did not of the past year's values seems to have call in the most of the most of the past year's values seems to have call in the most of the past year's values see such is the case. To have good tumber to work

a small stream. This county is a very fino illustration of this fact. A creek running through it has poplar, maple, beech, walnut and the more valuable woods on one side, while on the other the cake, black and sweet game and the less valuable woods occupy the lands. There are large tracts of land through this region called "flat wood land," being very flat and wet. This land produces a very scrubby quality of timber, mostly black gum, black jot ak and other scrub oaks. The black gum is about as worthless a species of wood as the earth produces. The best use I have ever seen it put to is making large rollers for moving houses, as its toughness well fits it for this purnoso. The texture is more like a woven fabric than like dry wood. The poplar is a high land wood and requires a dry foot. The beech, larch and maple also require dry land. The walnut will grow from the highest to the lowest land, being well adapted for planting in waste places This fact should be taken advantage of by land owners having land not available for cultivation, such as the borders of rivers, creeks and low bottom lands. Such places rlanted now would, in a few years, be worth more than the best

To make long-bodied timber it must be planted close, as trees growing in the open land are inclined to be short in the bedy, with large branching limbs. The cypross and tamarac are water plants, or at least always grow in the are water plants, or at 1980 and or The cetton-low lands, sometimes in the water. The cetton-wood and willow are also found in low, wet tamarac is a northern swamp timber, while the cypress is a southern awamp growth. The term "swamp" in the different locations has a description peculiar to itself. A northern awamp is generally a low, springy bog or accumulation of vegetable and sedimentary matter, in many instances having a tough mass of mots, and soil unfit to trust with a heavy weight. This crust can be shaken by jumping or running across it. There are all grades of these awamps, the very wet ones producing alders, crantzery bushes, etc. As they become more firm, other aquatio woods spring up. In this kind of earth the tamarac or hackmetack delights to grow, and like its southern brother, the copress, is inclined to have large roots, a wise provision of nature, especially for the ship-buzzlers. The hackme tack knee is a standard article in the building of wooden ships. The "knee" is aimply a very large root growing from one side of the stock of the tree, so that when hewed they can be made square, to fit the side of a beam and the ship's side, the angle being formed of straight-grained wood as it would be if bent, thus making a very strong brace. I know of no other timber that will answer the purpose, without taking very large trees. Vast quantities of hackmetack taken from Nova Scotia to knees are Maine and Massachusetts, for use in shipbuilding.

The southern swamp is pure and undefiled mud, formed as all the bottom land is by the accumulation of sediment, but by the changes in the river courses those places are not filled as other parts of the bottoms, consequently they hold water and should be called pends, while the land is covered with timber, but when drained and cleared they are dry and solid, producing enormous crops of everything. I might qualify the word solid by saying that there is very little solid ground in the West during the wet seasons. The bottom lands dry out quicker than the uplands and can be worked much somer and easier than high ground. cottonwood is in its glay in this soil, taking possession of every available spot as fast as the water courses change their beds. It is a sight worth seeing to see long stretches of new formed land, sometimes miles in length, with a growth of cottonwood from a few feet to 100 feet high, the tops stoping up in an inclined plane almost as straight as a line. If the naver makers could get to this timber, or get the timber to them without too much expense

is also valuable and much used for tree nails for fastening the planking to outside of vessels, The true nail is a locust pin one and a quarter inches in diameter and from 10 to 24 inches long. These pins are turned in a machine made for the purpose, and are driven through the outside plank, the frame and inside plank, at distances of 18 to 24 inches apart. This conatitutes an item in the building of a large ship. For fuel, locust is equal to hard mable, so that it could be profitably raised in locations that are treeless, for that purpose. Thus we see climate, soil and location govern the productions of wood, in species, qualities and quantities.

There seems to be a diversity of opinion as to the time when wood should be cut to get the best use of it. From the best data I can get my opinion is that the time whon wood is at its best is when it is ripo. That point is reached in November or December. At that time the year's growth is complete. The wood takes a cet and will last better and wear better than when cut at any other time. It also has time to season before insects can bore it. The hickory, ash and oak are liable to become "powder mosted" or worm eaten if cut in the early part of the season because the wood is full of sap and green. The tree cut at that time is like an animal killed in hot weather and is attacked by flies that deposit their eggs, producing the worm that eats the wood. Another reason for cutting in the fall or carly winter is the fact that the tree in the early part of the season is full of sap, which ferments and commences to decay immediately. Before the wood has time to season the sour sap destroys the life of the wood. Hickory is peculiarly liable to be worm eaten, and when the worms once start to work in it they never leave it until it is all consumed, literally ground to nowder.

We also observe the fact that each climate has its productions governed by certain limits. The white pine is in its glory at about the forty fourth degree of latitude. The poplar from the thirty-fifth to the fortieth. The poplar range yellow pine or the hard pine, as all the southern pine is called, seldom grows north of the thirty-fifth. There is no white pine, except on mountainous land, south of the fortieth parallel that is of any value. The vast timber forests of Ohio, Indiana, Illinois, and the most of Kentucky had not a single pine tree in the original forest as far as I know. The everyreens have been set as ornamental trees but they nover thrive very long. -3.

Mt. Vernon, Ind.

CHICAGO PROSPECTS.

The Northwestern Lumberman of Dec. 29 says :- The lumber business at large is nearer to a stand-siminow than it has been for three vears nest. No note that indicates activity comes from any quarter. It was to have been expected that December, especially during the holiday season, would be a quiet time for trade but the extreme duliness that has characterized the present month is so much of a contrast to the briskness of November, both in receipts at the wholesale markets and distribution from the yards, that the reaction is almost too much for the philosophy of lumbermen. The season's husiness swelled out full and large in November, but the sudden stoppage of navigation and building by cold and stormy weather chopped it square off. Lumber merchants and manufacturers are keeping their minds cheerful with the reflection that this is a dull season, and no thing but a quiet trade is to be looked for. Many of them are doing more than that: they are making themselves believe that they do not want a lively business just now. They want to rest, take account of stock and get ready for next season's tussel. They are evincing a good deal of independence. In the Northwest they are holding for firm prices, and asserting that they will not sell for less than the list figures, nor will they make a move or an offer to stimulate the demand, when such a course would

demandfahould be prolonged till towards spring there would be some letting go of grip Lumber men, like all other merchants, don't like to bottom chairs long at a time, and are apt, after waiting a while for trade, to get up and dust about for business. It is a fact that all over the country there is a surplus of coarse lumber, and it is a question if present prices could be maintained under long-continued duliness.

There is, however, no question about good common, and even cull inch lumber, in the country tributary to this market, neither about selects and uppers. Much of this stock is as good as sold now, for before spring even a dull trade would absorb all that will be decently dry. But dimension lumber is in ample supply, and if it should not move liberally before March it would likely become tired. There is an abundance of coarse stocks of all kinds at Saginaw, and plenty of coarse and a fair supply of good lumber at Albany. There is considerable lumber at Oswego, Burlington, Buffalo, Touawanda, Cleveland, Tolodo, Detroit, and other points to the castward, but nowhere, except at Albany, is there a claim made that choice stock is in ample supply. The same is the condition to the Mississippi and in Wisconsin. Of course at the mill points aroud Lake Michigan the merchants here, and at other accessible places, have left no good stocks to amount to anything, so that what is piled at themills is mainly common and cull lumber.

Under this general condition of things, it is likely that a continuance of a meagro demand would create unessiness among holders, and after a while concessions would be made in order to coax trade. But, the springing up of a fair inquiry in January and February would have the opposite effect.

Four Million Pails.

The pail and tub industry of Keene, N. H., consumes more timber than all others carried on in Cheshire county. There are forty pail and 30 tub lathes in operation in the county: sch lathe turns out'on an average 100,000 pails a year, consuming 450 cords of sapling, which gives a product of 4.000,000 nails from 18.000 cords of pine. The 20 tub and bucket lathes ise a proportionately large quantity, and as great quantities of staves are sawed and sold for use outside the county, it is propable that 40,000 cords of sapling pines are cut every year. Resides much hardwood that is cut for manufacturing purposes, a vast quantity is used for fuel. Yet many competent judges think the yearly growth equals the amount cut and that there is as much growing wood and timber in the county as there was 30 years ago.—Lumterman's Gazette.

Advice to Mothers.

Are you disturbed at night and breken of your rest by a sick child suffering and crying with pain of cutting teeth? If so, send at once and get a bottle of Mrs. Winslow's Soothing Syrup For Children Teething. Its value is incalculable. It will relieve the poor little suffered immediately. Depend upon it, mothers, there is no mistake about it. I cures dysentry and diarrhoes, regulates the stomach and bowels, cures wind colic, softens the guns, reduces inflammation, and gives tone and energy to the whole system. Mrs. Winslow's Soothing Syrup for Children Teething is pleasant to the taste, and is the prescription of one of the oldest and best female physicians and nurses in the United States, and is for sale by all druggists throughout the world. Price 25 cents a bottle.

On Thirty Days Trial.

The Voltaic Belt Co., Marshall, Mich., will send Dr. Dye's Celebrated Electro-Voltaic Belts and Electric Appliances on trial for thirty days to men (young or old) who are afflicted with servous debility, lost vitality and kindred troubles, guaranteeing speedy and completerestoration of health and manly vigor. Address as above.—N.B.—No risk is incurred, as thirty days' trial is allowed.

HOW TO TREAT WEAK LUNGS-Always breathe through the nose, keeping the mouth closed as much as possible. Walk and sit creet, exercise in the open air, keep the skin scrupulously clean, and take Engrard's Pectoral Balsam for coughs, celds, and bronchial troubles.