PLANTING APPLE ORCHARDS.

Don't Crowd the Standard Trees and Set All Sorts Leaning Southwest.

A very general rule in setting out apple trees is to place the trees 30 feet apart each way. Of late years, in modern orchards of treating apples for insect and fungus troubles, some orchardists claim that this space is not sufficient. One of this class expresses himself as follows in a letter to Ohio Farmer:

The standard thrifty sorts will do best when planted 30 feet each way, and this distance is being advocated by the best

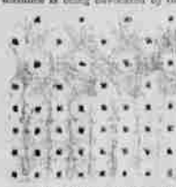

DIAGRAM OF APPLE ORCHARD.

posted horticulturists of the day. 45 feet is much better than two rods, the common way in northern Ohio; 30 by 40 does very well, while row and sapling is best. This will allow for any possible demands of spraying when the trees are fully grown. Closer than this will not do, nor is there any profit in crowding the land. If the trees are with spare cropping and cultivating may be kept up much longer, which, if properly done, is no doubt beneficial to the orchard. When planted wide peach trees may be planted between if it is desirable, and will be done bearing before they are in the way of the apples if the land can support them.

Apple trees may be planted thirty to thirty-five feet each way, and as soon as they begin to get burned by crowding half of them may be removed by cutting out every other row diagonally, see diagram. The lower part of the diagram represents half an orchard, comprising 160 trees, set close. The upper part shows half of the trees removed in rows diagonally, every other row. Trees originally set thirty feet apart will be forty-two feet when half of them are taken out in this manner. Thirty-two rods will be forty-six feet, and when planted thirty-five feet apart will be forty-nine feet when thinned out this way, which last is the most the writer uses for large, strong, natured trees. It will be readily noted how quick growing and early matured kinds (which are generally smaller when full grown) may be set in the places which call for removal, getting a few years of the best bearing portion of their existence, thus giving the slow growing and late maturing sorts the floor when they most need it. Peaches may be put in the spot for removal if thought best. There is very much to recommend this plan, at least where it is desirable to have all the land occupied by trees and the owner has the end to use the ax when the fight thus comes.

Set the trees all leaning toward the southwest (direction from which prevailing wind blows). A very little observation of orchards which have been planted some years will convince any one of the necessity of using this precaution. If you set the trees perpendicular they will soon all lean over to the northeast. Set them leaning 10 degs. to southwest, and they will gradually straighten so that when grown they will be straight up. Better shaped tops and straighter trunks will invariably result.

Warming Water for Stock.

In many localities it is becoming customary to warm the water for cattle during the intensely cold weather, especially for the dairy cows. It is claimed by the advocates of the practice that when the chill is taken off the drinking water cows not only give more milk but thrive better than they do when turned out to drink where a hole has been cut in the ice. It has not yet been proved by experience that this is a paying thing, but it is, in theory at least, a humane one, writes a correspondent in the New York World. Some cities that better milk from cows are obtained, if more in quantity, is other than it would otherwise be. Probably in that case the water has been made too warm. Small furnaces or tank heaters to set in the tanks which hold the drinking water, using soft coal for fuel, which makes no sparks and is therefore safer, are used for the warming process. Many are versatile in favor of this practice, and it will doubtless be done until its merits have been fully settled. It is not very much trouble after once being prepared. A careful hand should always build the fire, and a very little sulfuric to rub Jack Frost of his terrors.

A Winning Combination.

Bees, chickens and small fruits make a winning combination, says American Agriculturist. They interfere with each other as little as possible, although the bees may eat some of the fruit and the chickens, unless fenced out, do likewise. But the chickens can be fenced out. Bees and chickens get along quite amicably, the former scouring the fields while the latter feed upon the ground. White clover agrees with both. Even if the bees sip the nectar honey of the year, and the chickens find it food for growth and egg production. By all means, if you are obliged to fence you can, say Dakota farmer, unless to rub off or not it is a profit winner.

Things That Are Odd.

English experimenters confirm results gained in this country, by recommending the tobacco mixture as a remedy for potato blight.

The Farm Journal says that it is a good time to make those basket boxes that crate up our above market and are so handy in fall and cellar of root harvest. They come in right for apple crates for retail marketing.

An English writer says that a good substitute for milk for pies is the wheat puddings, with a small proportion of boiled raisins added with the mass.

ALL FIXED UP.

Various Concoctions That Put an Closed Individual into Proper Condition.

He had a great big scabbed in his right hand and an umbrella in his left as he entered the drug store. When he had squared himself in front of the soda fountain he dropped the satchel with a thud and the umbrella with a clatter, and said:

"Gimme something for the brain."

"Phosphate?" inquired the clerk.

"Yes, I know best. I want something that will act as fuller for the brain. I just ate a fellier a twenty shilling gold piece in place of a penny, and I guess my brain needs tamping up."

He drew into a glass of phosphate and he made sure that two swallows of it. Then he put the glass down and asked:

"Got anything for the nerves?"

"Yes, sir."

"Gimme something. Feller just kicked me off a horse car, and my nerves are right on the jump."

He downed the stuff without stopping to take breath, and as he lowered the glass he asked:

"Got anything here for shiners?"

"We have calloyne."

"Gimme some. Policemen said he'd run in in, and cold shivers are galloping up and down my spine."

He drank the mixture with his boots, and after he had wiped off his chin he said:

"Those seem to scatter to hence up the hull system in general, but I don't know the name of it."

"We've have none," she replied.

"Then gimme some. I'm a good out and feel that feller who kicked me and gin him an awful lickin. I'm in a heap of time and not much fools."

He drank this with an occasional interval to ejaculate "Ah!" and appeared calmer as he said.

"I guess that will pizzy nigh fetch me, and I'll top off with something to make me so happy that nobody can't hold me. Gimme some pineapple, lemon, vanilla, strawberry, vinny and cream—all shook up together."

He got what he asked for, and as he paid for the job he laid down a quarter his change he muttered:

"Brain all right—nerves all right—system all right, and the feller kicked and well ready to die! If I had that gallon—whiff!"—New York Herald.

A Cat Hypnotized a Bird.

I have seen one case of a snake charming a bird, but I had a better opportunity to study a cat charming a bird, and probably the process is much alike in both. The cat placed itself on the middle sill of my one-hour, four to a pane tree. A bird presently lit on the tree tree, to doubtless not observing the cat. The cat fixed the attention on the bird. The cat's eyes were widely opened and shone with a peculiar brightness; its head was raised and raised the fur on its neck and shoulders lay closely stood up, as if electrified.

Except for the ruffling of the fur and a certain intensity of life in the whole attitude of the beast, it was as still and cat-like from stone. The bird quivered, trembled, looked fondly at the cat, and finally, with a feeble shake of the wings, fell toward the cat, which seemed to seize it. A lady tells me that she "does not believe that cats use charm birds, because she has seen a cat trying to charm a parrot, and the bird greatly alarmed, scolded loudly." This proves nothing; the parrot in general, or more probably that particular parrot, did not prove a good subject for the mesmeric power. I have seen people who cannot be hypnotized. They resent the effort, and nervous action becomes intensified.—Science.

Its Composition at All.

Overheard during the election in the Ealing division:

First Laborer—Well, Bill, are you going to vote for his lordship?

Second Laborer—No, I don't. Wot I says is, we made Beaconsfield, we made the Tories, we made Rosebery, and we made many of your Moonsun lords. Now, there was Disraeli, 'e was a Radicum, 'e was.

F. L.—Yes, that 'e was.

S. L.—Well, now, look at that there Lord Beaconsfield. Wot a Moonsun 'ad 'ot 'e was! Why, there ain't no constitution.—London Globe.

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From Provo and intermediate points ..... 6.00 p. m.
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From Ogden and Intermediate points ..... 9.00 p. m.

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For Ogden ..... 4.00 p. m.
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