agonal system, in which the trees are all an equal distance apart, and in which any one tree is in the center of six other trees. In this system you will find that you get about 15 per cent more trees than in the square system. You do not weaken the ground any more than you do in the square system. You will notice in this illustration that in the square system there is quite a space that is not utilized, while in the hexagonal system there is no space unoccupied. tem there is no space unoccupied. One of my friends in Hood River said he wanted to set his orchard square with the world, and you will find that this system is just as much so as the square for square in the square in the wanted to set his orchard square with the world, and you will find that this system is just as much so as the square for square in the square is square in the square in th system. Let the top of this illustration He then poured in more water and we be the north and you will see the rows stirred it up and after we strained it system is just as much so as the square

stred it up and after we strained it there over the north and south, while it also is possessed of the merit of having the form and to take a hoc and hoc the weeds out of every tree all over the orchard so that I fould drive a team up to the trees and cultivate them, and it not do not recommend sulphur spray for rust it might do. I have just wondered whether or you have any rust here in Mosier or not.

Mr. Mason then gave a very lucid detailed explanation of the hexagonal system illustrating his remarks, with a diagram of the two systems and described his two methods of laying off an orchard, one with two chains, the other with three boards in the form of a triangle, marking the site of each tree with a small stake as he proceeds. This does not have any rust here in Mosier or not.

Mr. Brown—In regard to winter spray my experience is that it is very valuable to us. I had one tree of the restaines on you have any rust here in Mosier or not.

Mr. Brown—In regard to winter spray the tentile limbs off underneath was that it was noisely that it is very valuable to us. I had one tree and cultivate them, and the totake a head of the years of that marks that we can grow our trees closer together than they do in the Eastern states, because our trees do not grow so large as they do there; for the reason, he thinks that the soil is stronger there

states, because our trees do not grow so large as they do there; for the reason, he thinks that the soil is stronger themethan it is here.

In regard to cultivation, Mr. Mason in side of scale on the soil of the thinks the soil is stronger themethan it is here.

In regard to cultivation, Mr. Mason in side of scale on the soil of the thinks it is a stronger themethan it is here.

In regard to cultivation, Mr. Mason in side of scale on the soil of the soil of cultivation, Mr. Middlewart—I am one of the college of the scale cleaned out of the orbital of the soil of the scale cleaned out of the orbital of the soil of the scale cleaned out of the orbital of the soil of the scale cleaned out of the orbital of the orbital of the scale cleaned out of the orbital o

MET AT MOSIER.

Spray. With the winter spray we kill off aphis, fungus, scale, etc. The Southern Cross organizers are provided as the spray of the Prince Chairman—I would like for Mr. Mason—I will be grant or chard; to be known as the crank on setting out an orchard. Down our way he is getting to be known as the crank on setting out an orchard. Down our way he is getting to be known as the crank on setting out an orchard. I may be it any the prince in state only half the quantity of the salt would rather use IT pounds of lime and 10 pounds of salt to like for law and gospel. I am as yot only experimenting. This system is 80 gallons of water. I need to think they see more perfectly an open of the the spray and should be used to think any out to take for law and gospel. I am as yot only experimenting. This system is 80 gallons of water. I need to think any out to take for law and gospel. I am as yot only experimenting. This system is 80 gallons of water. I need to think the spots sperimenting. This system is 80 gallons of water. I need to think the spots sperimenting. This system is 80 gallons of water. I need to think the sponsal system, in which the trees are all one. He took 17 pounds of lime and pound and the cent may ont to take for law and gospel. I am as yot to take for law and gospel. I am as yot only experimenting. This system is 80 gallons of water. I need to think the sponsal system, in which the trees are all in the surface of the contract of the contr going to burn when he poured on a little more water. As it began to steam up good I said: "Plerce, is that the way to slake hime?" He said "Yes, that is the way to do it," and I watched him put in a little more water and he kept it hot and worked the water in just fast enough to keen it from huming and in about be the north and you will see the rows run north and south, while it also is possessed of the merit of having the rows run in five other different directions.

Mr. Mason then gave a very lucid detailed explanation of the hexagonal system illustrating his remarks, with a diagram comparing the two systems and of the rows run in five other different directions.

Mr. Mason then gave a very lucid detailed explanation of the hexagonal system illustrating his remarks, with a diagram comparing the two systems and or not. stirred it up and after we strained it there was not to exceed a pound in 50

of winter spray,
Mr. Kennedy—You all know my
place. There was lote of scale on all my

about any of these machines. I cultivate my crothed with a place of section with a place of the place of the

ples next year?

Mr. Middleswart—No. sir.

Mr. Kennedy — Did you cut off the lower limbs? Mr. Middleswart-Yes, sir.

Mr. Kennedy—The reason I ask is that everybody asks me what in the world I have been cutting the lower limbs off for, and I think I am doing

Mr. Mosier-I have a patch of plum and prune trees. I was told to allow the limbs to come out as low down as possible so as to shade the body of the tree and protect it, and I did so and I had to take a hoe and hoe the weeds out

but you all know that is just the way to kill them. The more you cut them and make them bleed, the easier they can

they are cut until the sun with stem.

If we were in this valley? What kind you and tie men proceed with the spray mised?

If we were the training the spray of the region of the ridges, I will not the the tops of the ridges, I will not the steel spring tooth larrow in connection with this drag. It is spring tooth to loosen up the ground get hard under where the spring tooth is spring tooth to loosen to with this drag. The process of the ridges in my orchard by plowingit. The spring tooth loosens only the surface but your right lap don't go over three or four inche deep.

Mr. Mason—No, Ithink not, I am making the spring tooth is the ground get hard under where the spring tooth is the ground get hard under where the spring tooth is the ground get hard under where the spring tooth is the ground get hard under where the spring tooth is spring tooth to loosen up the surface of the process of the spring tooth is the ground get hard under where the spring tooth is the ground is not loosen only the surface but your right lap don't go over three or four inche deep.

Mr. Mason—No, Ithink not, I am making the spring tooth if the ground is not loosen only the surface but your right lap don't go over three or four inche deep.

Mr. Mason—That is what I said in my Mr. Mason—That is we

feeling in the matter at all in order to do your thinning properly.

Mr. Mosier—I always thin mine when they get ready to pick.

Mr. Mason—I know the Spitzenbergs must be thinned. They grow in clusters like cherries, one in the center and five or six around it. If these little ones are all allowed to remain on the tree inine out of ten of them will die when they get to be about the size of dove's eggs. I don't know whether you people know what the size of a dove's is, as it is a scarce article in this country. When you thin your apples pull off these little ones from around the center one. I never leave more than three in a cluster. If these little apples are not pulled off they make the best kind of a harbor for the codlin moth. I try to thin to a single Newtonn a place.

Date of the wiley, and nothing that has a greater influence in stimulating the spirit of observation and experimental research so necessary to the highest development of the industry.

Apple Trees for Sale

CHEAP. I have 1200 young apple trees which we work, Jonathan, Hen Davis, Gano, Spitzenbergs and Gravenstein. The greater number are Newtowns and Spitzenbergs. For further information see.

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Wanted.

A man to make good money for himself in the next few weeks. A man who understands pranting fruit trees preferred. Call at the next few weeks. A man who understands pranting fruit trees preferred. Call at HANNA'S GROCERY.

Mr. Mason—Mr. Orr said, in thinning they tried to thin to four inches. They have no sale for anything smaller than a four-tier Newtown, and that was about all the kind they raised. I asked him how they did it, and he said by thinning and surpress prantice. and summer pruning. Chairman—Is that true of the Spitzen-

berg?
Mr. Mason—I think it is.
Mr. Henningsen—What is the best

I have never seen a bud put in a big limb do any good. As to smaller limbs I don't know; but I do know that a budded tree on a yearling stock is better than a grafted tree. Put a bud in about three inches from the ground about the last of July, wrapt with any old string and let it alone for about two weeks, when the string 'may come off. I have never had any success with cherries, but apples, peaches, or anything else that way, I have good success always.

Hack for Sale.

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TESTIMONIALS.

om you one of the ould Pump Co.' entinel Jr. Spra-umps. I have use

Hood River, Ogn., Jan. 10, 1903.—Davidson Fruit Co.—Gentlemen: After using four other takes of Spray Pumps I bought a Pomona and found it a great success. I aprayed 30 acres or orchard with it for two seasons and it was still as new and had cost nothing for repairs, ast season, for my increasing business, I bought a Sentinel Jr., and find it equal to any depands that I can make on it. It is powerful, durable, readily cleaned and easy to work you at 100 to 125 pounds pressure. I consider it unequaled. Yours truly, WM. KENNEDY. We are agents for spray pumps and other things that the fruit growers need.

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