

Scientific Farming

CUCUMBER DISEASES.

Injuries Are Due to Several Distinct Troubles.

There have come to the department of agriculture this year an unusual number of reports and complaints of losses to cucumber growers from blights of foliage or fruit, particularly in certain north central states, where pickle growing is an important industry.

These injuries have proved upon investigation to be due to one or another of several distinct troubles—blighting of the foliage by downy mildew or anthracnose, diseases which have already proved controllable by spraying with bordeaux mixture; to the bacterial wilt, a disease the cause of which is known and for which a remedy is being sought; to the pickle spot, a disease of sporadic occurrence and



CUCUMBER TROUBLES ARE BEING INVESTIGATED.

not yet remediable, or in some cases to a disease of still unknown nature called white pickle.

Those troubles not already worked out are being investigated by the state experiment stations in Wisconsin, Michigan and New York and by the United States department of agriculture, and a plan is being formulated jointly by these institutions to carry aid to the growers in case of a recurrence of the diseases next year.

It will have to be proved by experiments whether or not spraying will be generally profitable. The department of agriculture points out to the farmers that a long rotation of crops is an important precaution, which should be practiced by all. There is no evidence that these diseases are spread through the seed.

Apples For Winter Use.

Apples for winter use are usually stored in an underground cellar or in an outdoor pit, says J. C. Whitten of the Missouri station. If a cellar is used it must be well ventilated, but kept above freezing. In the fall it is best to open the ventilators at night and close them during the warmer days. Trap all water drains to prevent the loss of cold air. If the outdoor pit is used heap up the apples on the surface of the ground on a well drained spot and cover with straw. As cold weather approaches put a thin layer of earth over the straw. Later thicken the covering of earth so as to prevent freezing.

MARKET GARDENING.

Celery Intended for the fall and early winter trade should now be well banded almost to the top of the plants. High ridging is a great protection in case of hard freezing.

If the celery is to be stored for winter use or sale it is customary not to blanch it so thoroughly in the field because unblanched plants hold up better in storage. It is necessary, however, to store green varieties under conditions which are favorable for blanching if this has not been accomplished in the field. If storing is deferred until late in November and the crop is placed in trenches the weather may be so cool that new root growth cannot be encouraged, and without root growth thorough blanching is impossible. The celery grower should bear in mind that blanching is accomplished by causing the plant to grow in the absence of light, and of course if there is no root growth there cannot be top growth.

There are a great many methods of storing celery. It is not as important for the grower to know methods as the fundamental principles involved in the operation. They may be enumerated as follows: (1) The tops should be free from dew and rain when stored. (2) The plants should not be allowed to wilt during the interval between harvesting and storing. (3) Hard freezing of the plants in storage may result in the entire loss of the crop. (4) High temperatures while the crop is in storage should be avoided because they in- duce decay.—National Stockman and Farmer.

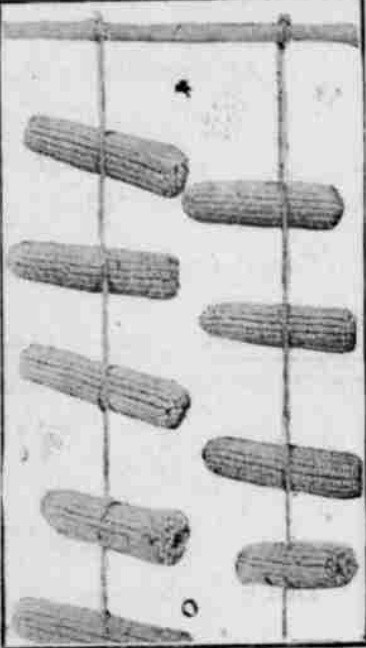
Farm and Garden

TREATING SEED CORN.

Two Convenient Methods Suggested by Illustrations.

[Prepared by United States department of agriculture.]

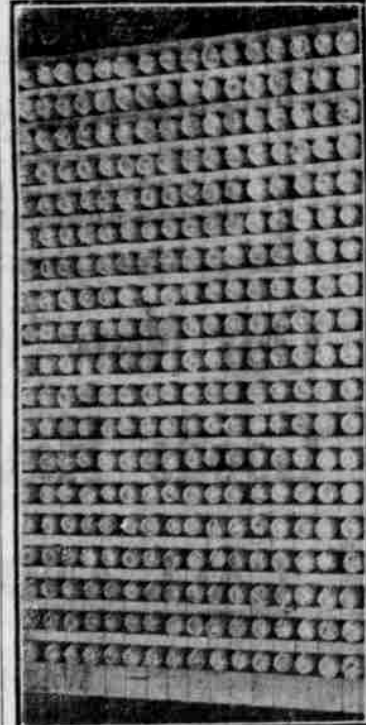
A good way to treat seed corn immediately after gathering so that it will keep dry and keep from mildewing until it is to be used in the spring is shown in the accompanying illustration. The husked ears are placed in a dry storehouse the same day the seed corn is gathered and are hung by binder twine from a pole or rafter.



METHOD OF TREATING SEED CORN.

As they must be placed in such a manner that they do not touch each other, they are attached to the string about four inches apart, as shown in the illustration. Fifteen or twenty ears can be arranged on one string. Ordinarily the best place to hang these strings is in an open shed or loft.

The ears of seed corn will also dry successfully on a permanent rack, such



PERMANENT SEED RACK.

as is shown in the second illustration. If possible this rack should be located where it is both dry and breezy.

Care must be taken if a fire is used to help dry out the seed ears. Heat employed in a poorly ventilated room will do the corn more harm than good. Only during unusually damp weather at seed gathering time should a fire be necessary, and then it should be slow, long continued and situated below the seed ears, with good ventilation above them.

Legumes For Nitrogen.

"The legumes as a source of nitrate are rather too slow in action to give real immediate profits when used to produce great money crops." This is the statement made by an advocate of the use of nitrate of soda on American soils.

Such a statement should not lead any one away from the main fact that legumes grown with other crops in a field benefit those other crops the first year. The second year the soil itself is much better from having grown the legumes than if nitrate of soda had been used and no legumes grown. Legumes are our natural nitrate producers. The nitrogen is cheaper, too, when furnished as in this form. And yet we should remember sodium nitrate for its value in getting quick results. It is beneficial to almost every crop when applied in the right amounts and at the right time, for quick results when starting a pasture on poor land, as an application to orchard soil for hastening fruit, in market gardens, where crops demand much nitrogen, and in many other places sodium nitrate is indispensable. Such crops as potatoes, garden and truck crops grown in colder sections need quick acting nitrates in addition to legume nitrogen to push the crops before the organic source is ready. But on the average extensive farm let us depend largely upon the legume.—Farm and Fireside.

Professional Cards.

A. M. Crawford Jas. W. Crawford CRAWFORD & CRAWFORD Lawyers Yale Law School. Twelve years attorney general. Water rights, irrigated lands, probate business, admiralty, corporations, patent rights, bankruptcy. Will practice in all courts and appear before state departments. 634-5 Northwestern Bank Bldg., Portland, Or.

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Second-Hand Stoves HEATERS and RANGES CHAIRS and other FURNITURE At my House on the Ochoco Road C. L. V. Marker

I. O. O. F. Ochoco No. 46. Meets every Tuesday night. Strangers welcome. J. H. Gray, Noble Grand; Percy R. Smith, Vice Grand; S. G. Hinkle, Recording Secretary; C. B. Dinwiddie, Treasurer.

Notice for Publication Department of the Interior, U. S. Land Office at The Dalles, Ore. January 1, 1915.

Notice is hereby given that Vincent H. Sakry of Brothers, Oregon, who, on April 15th, 1911, made homestead entry No. 08792, for ne1, e1 ne1, sec 26, ne1 ne1 sec 35, tp. 23 south, range 17 east, Willamette Meridian, has filed notice of intention to make final three year proof to establish claim to the land above described before A. S. Fogg, U. S. Commissioner, at Hampton, Oregon, on the 10th day of March, 1915.

Claimant names as witnesses: Orley King, Henry Stenkamp, William Stenkamp, Robert Lisk, all of Brothers, Oregon. 24 H. FRANK WOODCOCK, Register. Sell your vegetables to Maddux & Company. 1-7

Notice of Stockholders Meeting

The annual stockholders meeting of the Squaw Creek Irrigation Company will be held at the courthouse in Prineville, Oregon, on Saturday, the 6th day of March, 1915, at 10 o'clock a. m. 2-18-3 E. T. SLAYTON, Secretary.

For Sale

The nw1 section 12, township 14, range 15 east of Willamette Meridian in Crook county, Oregon. This land is owned by non-resident, and wishes to sell same and will consider any reasonable offer. Address Vestal Reynolds, Marion, Grant county, Indiana. 2-11-21p

Notice for Publication Department of the Interior, U. S. Land Office at The Dalles, Ore. February 10th, 1915.

Notice is hereby given that Adolph Schrickel of Prineville, Oregon, who, on July 21st, 1911, made homestead entry No. 00316, for sw1 nw1 section 3 and ne1 se1, ne1 ne1 and lot 1, section 4, township 17 south, range 17 east, Willamette Meridian, has filed notice of intention to make final three year proof to establish claim to the land above described, before Timothy E. J. Duffy, U. S. Commissioner, at Prineville, Oregon, on the 19th day of March, 1915.

Notice of Guardian's Sale of Real Estate Notice is hereby given, that in pursuance of an order of the county court of the state of Oregon for Clackamas county, made on the 2nd day of January, 1915, in the matter of the guardianship of Dewey LaFollette, a minor, the undersigned, the guardian of said minor, will sell at private sale for the highest price obtainable, and subject to confirmation by said county court after the 18th day of February, 1915, at the office of M. R. Elliott in Prineville, Oregon, all the right, title and interest of said Dewey LaFollette in all of the following described real estate, to-wit:

The southeast quarter of section ten in township fourteen south, of range sixteen east of Willamette Meridian in Crook county, state of Oregon. Terms and conditions of sale: Cash, gold coin of the United States, or upon good and sufficient first mortgage security with interest at the rate of eight per cent per annum. Dated this 21st day of Jan., 1915. E. A. P. LA FOLLETTE, Guardian of Dewey La Follette.

Notice for Publication Department of the Interior, U. S. Land Office at The Dalles, Oregon January 18th, 1915.

Notice is hereby given that James Forrester, of Prineville, Oregon, who, on June 12th 1911, made Homestead Entry No. 09075, for nw1 nw1, sec 24 e1 ne1, ne1 se1, sec. 25, township 16 south, range 15 east, Willamette Meridian, has filed notice of intention to make final three-year proof, to establish claim to the land above described, before Timothy E. J. Duffy U. S. Commissioner, at Prineville, Oregon, on the 3rd day of March 1915.

Claimant names as witnesses: Earnest E. Aycock, James Moffitt, Thomas Quinn, Cecil Stearns, all of Prineville, Oregon. H. FRANK WOODCOCK, Register. 1-21

Notice for Publication Department of the Interior, U. S. Land Office at The Dalles, Oregon January 15th 1915.

Notice is hereby given that Earnest E. Aycock, of Prineville, Oregon, who, on November 11th 1910, made Homestead entry No 07672 and on April 29, 1914 made additional Homestead entry No. 012910, for w1 nw1, sec. 29 e1 nw1, and ne1, sec. 30, township 16 south, range 16 east, Willamette Meridian, has filed notice of intention to make final three-year proof, to establish claim to the land above described, before Timothy E. J. Duffy, U. S. Commissioner, at Prineville, Oregon, on the 3rd day of March 1915.

Claimant names as witnesses: James Forrester, James Moffitt, Jacob Becker, Carl Larson, all of Prineville, Oregon. H. FRANK WOODCOCK, Register. 1-21

Notice of Final Accounting

Notice is hereby given by the undersigned, the administrator of the estate of John H. Jarrett, deceased, that he has made and filed with the clerk of the county court of Crook county and state of Oregon, his final accounting of his administration of said estate, and the honorable county court has set Monday, the 1st day of March, 1915, at 10 o'clock in the forenoon, at the county court room in Prineville, Oregon, as the time and place for hearing and settling said final accounting.

Dated this 28th day of Jan., 1915. L. M. BECHTEL, Administrator of the estate of John H. Jarrett, deceased. pd Date of first publication January 28, 1915. Date of last publication February 25, 1915.

Notice for Publication Department of the Interior, U. S. Land Office at Lakeview, Ore. January 27, 1915.

Not coal lands. Notice is hereby given that Olyn Thompson of Dry Lake, Oregon, who, on December 8, 1910, made homestead entry Act Feb. 19, 1909, No. 04101, for e1 se1, sec 1; ne1 ne1 sec 12, tp 21 south, range 20 east, sw1 sec 6; nw1 nw1 sec 7, tp 21 south, range 21 east Willamette Meridian, has filed notice of intention to make final three year proof to establish claim to the land above described before Charles A. Sherman, U. S. Commissioner at Fife, Oregon, on the 13th day of March, 1915.

Claimant names as witnesses: Richard R. Rhoda, Lewis W. Bennett of Dry Lake, Oregon; Orville I. Davidson, Fisher Logan of Barnes, Oregon. Jas. F. BURGESS, Register. 2-4

Notice of Sheriff's Sale

By virtue of an execution duly issued by the clerk of the circuit court of the county of Crook, state of Oregon, dated the 9th day of February, 1915, in a certain action in the circuit court for the said county and state, wherein M. R. Elliott, administrator, as plaintiff, recovered judgment against Charles Lott, Jerry Achey, Henry Montgomery, W. F. Sann, N. Milligan, W. M. Messinger and S. P. Quinn, defendants, for the sum of Eleven Hundred Forty-seven and 97 hundredths dollars, together with One Hundred dollars attorney fees, and the further sum of Fifteen and no hundredths dollars damages and costs, and accruing costs. Notice is hereby given that I will on

Saturday, the 13th day of March, 1915,

at the north front door of the courthouse in Prineville, in said county, at 10 o'clock in the forenoon of said day, sell at public auction to the highest bidder for cash, all right and title that the above named defendants, or any of them have, or had at date of said judgment in the following described property, to-wit:

Northwest quarter of section thirty-four, southeast quarter of northeast quarter, west half of northeast quarter and east half of northwest quarter of section thirty-three and the southeast quarter of the southwest quarter of section twenty-eight, all in township twelve south, of range fourteen east of Willamette Meridian in Crook county, Oregon.

North half of southwest quarter of section thirty-three in township twelve south, of range fourteen east of Willamette Meridian in Oregon.

The northeast quarter of northwest quarter and north east quarter northeast quarter of section five, township 13, range 14, the southeast quarter of southwest quarter and southeast quarter of section thirty-two and the south half of southwest quarter and south half of southeast quarter of section thirty-three in township twelve south, of range fourteen east of Willamette Meridian.

The northwest quarter of west half of the Northeast quarter of section two in township thirteen south, of range fourteen east of Willamette Meridian in Oregon.

Lots Eleven and Twelve in block Seven in the Second Addition to Prineville, Oregon.

E. B. KNOX, Sheriff. Dated at Prineville, Oregon, February 9th, 1915. By Floyd A. Rowell, Deputy. 2-11

Sealed Bids Wanted for County Car.

Sealed bids will be received by the county clerk for the Hanes 40 car owned by the county. This car has been repaired and may be inspected at Hodson's Garage. Demonstrations will be given those wishing to submit bids. The court reserves the right to reject any and all bids. Bids will be opened at the March term of court. 1-28

Bids Wanted for Drift Fence

Horsebeaver Cattle and Horse Raisers Association desires bids for construction of 15 miles of fence extending along north boundary of their range within the Ochoco National Forest. The following specifications to be complied with: Posts 6 1/2 feet in length, not less than average diameter at small end of 4 inches, of pitch pine or tamarack, not less than 2 1/2 inches in ground, unless impossible on account of rock; on such ground, triangular cribs 3x3 1/2 feet in circumference, 4 feet high, to be erected and filled with rock. Posts not to exceed 16 feet apart, stays to be 4 1/2 feet in length and not less than 2 1/2 inches, 2 stays to be stapled to each wire between each post; 4 smooth galvanized twisted wires to be stretched tight and stapled to each post. When trees occur on the fence route they may be used instead of posts; but when they are used a cleat or fence stay must be spiked to the tree and the wires stapled to the cleat. All wires shall be adequately weighted down at all points where fence crosses draws or ravines and substantial corner braces constructed at all turning points in the fence unless the angle is made around a substantial tree.

No bids will be accepted after February 28 and the committee in charge of fencing reserves the right to reject any and all bids. Bids should be addressed to: 1-21-51 R. H. BOOTES, Secretary-treasurer, Post, Ore.

Notice for Publication

Department of the Interior, U. S. Land Office at The Dalles, Ore. January 6th, 1915. Notice is hereby given that John Hansen of Bend, Oregon, who, on November 24th, 1913, made homestead entry No. 012271, for se1 ne1 e1 se1, section 17, ne1 ne1 section 20, n1 nw1, sw1 nw1, nw1 sw1, section 21, township 19 south, range 17 east, Willamette Meridian, has filed notice of intention to make final three year proof to establish claim to the land above described before H. C. Ellis, U. S. Commissioner, at Bend, Oregon, on the 8th day of March, 1915.

Claimant names as witnesses: Ernest R. Edwards, Herbert E. Moore, Samuel R. Israel, Henry B. Ford, all of Bend, Oregon. 1-28 H. FRANK WOODCOCK, Register.

Notice to Creditors

Notice is hereby given by the undersigned, G. M. Cornett and N. G. Wallace, executors of the estate of Mary B. Scoggin, deceased, to the creditors of, and all persons having claims against, said deceased, to present the same, with proper vouchers, to the undersigned at the office of N. G. Wallace in Prineville, Oregon, within six months from the date of the first publication of this notice. Dated and published first time January 28th, 1915. G. M. CORNETT, N. G. WALLACE, Executors of the estate of Mary B. Scoggin, deceased. 1-28-31

Maddux & Co. will buy your vegetables and produce. Ask the man. Phone Pioneer Red 603.

Summons

In the circuit court of the state of Oregon for the county of Lane. Jonathan Johnson, plaintiff, vs. Roy Young, defendant. To Roy Young, defendant: In the name of the state of Oregon, You are hereby required to appear and answer the complaint of the plaintiff filed against you in the above entitled suit within six weeks from the date of the first publication of this summons, on or before the 26th day of March, 1915, and if you fail to so answer, for want thereof the plaintiff will apply to the court for the relief prayed for in the complaint herein, to-wit:

For a decree of this court declaring the plaintiff to be the owner in fee simple of the south half of section 9, and southeast quarter of the northeast quarter of section 16, in township 14 south, range 12 east, W. M., and forever quieting the title of the plaintiff against you and having and enjoying you from at any time hereafter setting up or asserting any claim or title to said premises or any part thereof.

This summons is served upon you by the publication thereof in accordance with an order made at Prineville, Oregon, by the Honorable W. L. Bradshaw, judge of the circuit court, on February 11th, 1915, requiring that this summons be published at least once a week for six consecutive weeks, in Crook County Journal, a newspaper published at Prineville, Crook county, Oregon, and that the first publication thereof shall be on the 11th day of February, 1915.

FOSTER & HAMILTON, Attorneys for Plaintiff

Notice for Publication

Department of the Interior, U. S. Land Office at The Dalles, Ore. February 1st, 1915.

Notice is hereby given that Ayres L. Roberts of Prineville, Oregon, who, on October 6th, 1911, made homestead entry No. 06538 and on January 6th, 1914, made additional homestead entry No. 014313, for nw1, section 27 and ne1, section 28, township 16 south, range 16 east, Willamette Meridian, has filed notice of intention to make final three year proof to establish claim to the land above described, before Timothy E. J. Duffy, U. S. Commissioner, at Prineville, Oregon, on the 15th day of March, 1915.

Claimant names as witnesses: Curt Wilson, H. Earl Cross, Rose Burns, Paul Gilchrist, all of Prineville, Oregon. 2-4 H. FRANK WOODCOCK, Register.

Summons

In the circuit court of the State of Oregon for Crook county. H. S. Cram, Plaintiff, vs. Prineville Creamery Company, a corporation, Defendant.

To Prineville Creamery Company, a corporation, Defendant: In the name of the State of Oregon, you are hereby required to appear and answer the complaint filed against you in the above entitled action on or before the 19th day of Feb., 1915, and if you fail to so appear and answer, the plaintiff will take judgment against you for the sum of Five Hundred dollars, with interest upon \$320.00 thereof from the 30th day of Sept., 1914, at the rate of six per cent per annum, and interest on \$180.00 thereof at the rate of six per cent per annum from the 1st day of Dec., 1914, and for his costs and disbursements of this action.

This summons is published by order of the Honorable G. Springer, Judge of the County Court of Crook County, Oregon, made on the 6th day of January, 1915, which said order prescribed that this summons be published in the Crook County Journal, a weekly newspaper printed and published in Prineville, Crook County, Oregon, for a period of six consecutive weeks.

The date of the first publication of this summons is January 7th, 1915. M. R. Elliott, Attorney for Plaintiff.

ORDER

In the circuit court of the state of Oregon for the county of Crook. State of Oregon, plaintiff, vs. J. H. Rosenberg, administrator of the estate of William Smith, deceased, and all heirs at law of said decedent (if any there be) and all other persons, or parties, unknown, claiming any right, title, estate, lien or interest in the real and personal estate described in the information herein, defendants. It appearing to the court from the information on file herein that William Smith died on the 20th day of February, A. D. 1914, within the county of Crook, state of Oregon, leaving real and personal property therein, a portion of which being particularly described as follows, to-wit: The west forty-nine and four tenths of lot five and block three and five in the Monroe Hodges' plat of the town of Prineville, Crook county, Oregon, and said personal property consisting now of Thirteen Hundred Forty-seven and 97 hundredths (\$1347.97) dollars cash in the First National Bank of Prineville, Oregon, all within the said county of Crook and state of Oregon; and it also appearing that J. H. Rosenberg was thereafter appointed and duly qualified as administrator of the estate of the said William Smith, deceased, and now is in possession of both said real property and said personal property;

And it further appearing that the said decedent died without heirs at law and that by reason thereof the state of Oregon has by law a right to the title to such real and personal property;

Wherefore, upon the motion and application of Willard H. Wirtz, district attorney for Crook county and attorney for the state of Oregon, herein;

It is hereby ordered, adjudged and decreed, in the name of the state of Oregon, that all the heirs of William Smith, deceased (if any there be) and all other persons or parties unknown, claiming any right, title, estate, lien or interest in the real estate and personal property of said decedent, be, and they are, hereby summoned and required to appear and show cause in this court, if any they have, by the 6th day of March, A. D., 1915, why the title in and to the said real and personal property, described herein and in the information herein, should not be adjudged escheated to and vested in the state of Oregon; and it is further ordered and adjudged that a copy of this order be published in the Crook County Journal, a weekly newspaper of general circulation in said county of Crook and state of Oregon, for a period of six consecutive weeks. Given at Chambers, in The Dalles, Oregon, this 21st day of January, A. D., 1915. (Signed) W. L. BRADSHAW, Judge.

Date of first publication, January 21, 1915. Date of last publication, March 4, 1915. Willard H. Wirtz, District Attorney and attorney for plaintiff.