

**SICK SPUDS**

Now is the time to look at your potato fields to see the work of some of the diseases that are cutting down your profits every year. The most of these diseases show up at several times during the year but now is the time to see the serious work of early dwarf, Black-leg, Rhizoctonia, and Wilt will soon appear in the early plantings.

Curly dwarf appears to affect the vines by stunting them and the leaves are dwarfed and wrinkled. It is an inherited weakness through the seed coming from an affected pile. As it cannot be detected in the potato after it is dug the only way to get rid of it is to remove the hills from the field as soon as they show up and not allow the potato to form.

Black-leg and the summer stage of Rhizoctonia are a little hard to tell apart but they are easily identified now. When the plants are from six to ten inches high the stem below the ground turns dark brown or black and the top yellows and dies. This should be removed from the field and destroyed the same as you would destroy an animal that had died from some contagious disease.

The loss from diseases in his section is from one to forty per cent of the crop each year. How much are you losing?

Byproducts of coke are now regarded so valuable that the United States is taking note of Germany's more economical methods of manufacture and doing away with the expensive but wasteful "beehive" oven which was quite satisfactory when the coke alone was utilized. Sulphate of ammonia, used for fertilizer, and nitrogen, used in munition manufacture, are perhaps the most important byproducts, but toluol, used in the manufacture of high explosives, is also of great potential value.

Pittsburg golfers have launched a campaign among devotees of the links to organize a hand grenade squad. The muscular action of a golf player and a bomb thrower are virtually the same. They say that trenches will be easy after their experience in their bunkers and sand traps.

Every battleship of the United States is entitled to 250 American flags every three years, although there are many renewals during that period. The cost of the flags for each ship is \$3,000.

**TO MAKE GOOD JELLY.**

The canning-club specialists of the States Relations Service recommend that the following points be observed to make certain that jelly will be of good quality:

After the fruit has been boiled and the texture broken down it should be poured into a jelly bag and permitted to drain for a considerable time. Forcing the juice from the pulp will cause cloudy jelly. When the juice has been collected, place two teaspoonfuls of cold unsweetened fruit juice in two teaspoonfuls of grain alcohol and mix by shaking gently. Allow it to settle for one-half hour, preferably in a glass tumbler. If a jellylike substance collects in the bottom of the mixture it is evidence that pectin is present and the juice is suitable for jelly making. When the test shows absence of pectin, the white portion of orange peel, apples, or green citron melon may be added to the juice to supply the necessary pectin. Twelve ounces of sugar added to a pint of juice will make a jelly of the proper firmness and texture. Jelly is ready to be poured into the glasses when two rows of drops form on the end of a paddle or on the edge of a spoon held sidewise.

A diving machine, which may be the means of raising to the surface millions and millions of dollars' worth of wrecked vessels, has recently been exhibited in New York. This invention, known as the Sisson deep-sea diving machine, is a globe shaped cage so designed that the operator can attach to the vessel air-filled pontoons. When enough of these pontoons have been attached, the vessel will naturally rise to the surface.

It is difficult to determine the specific tree which has been translated from the Hebrew word as "apple." Most modern writers maintain that it was either the quince or the citron. Orange trees are now found in Palestine, but there does not appear sufficient evidence that this tree was known in earlier times to the inhabitants of that land.

The flag which inspired Francis Scott Key to write the "Star Spangled Banner" was an immense one, being thirty feet wide and forty-two feet long, when it was hoisted over old Ft. McHenry, near Baltimore, just as the British were about to attack.

**FAIRVIEW**

Miss Rosalie Lusher is planning a Red Cross entertainment to be given in the city hall on Friday evening, July 27. Further announcement will appear later.

Mrs. George Bill has been entertaining for a few days Mrs. George Dolph of Scio, Oregon.

A number of friends from Fairview and Rockwood gave Mrs. B. C. Brewster a shower on Friday afternoon at the parsonage. Those present were Mrs. J. Cutler, Mrs. A. L. Stone, Mrs. H. L. Lamb, Mrs. W. A. Rowen, Mrs. W. Cook, Mrs. B. F. Powers, Mrs. Bell Stockton, Mrs. R. Stone, Miss Verdella Lamb, Mrs. J. Snover, Mrs. J. Peterson, Mrs. J. Moller, Mrs. D. S. Dunbar, Mrs. F. C. Dixon, Marjorie Moller and Alice Brewster.

Mrs. Julia Snover entertained on Sunday Mr. and Mrs. H. Platt, A. Hoyt and family, H. Wagner and family of Portland and Mrs. W. C. Ford of Tacoma, Wash.

Mrs. George Doby and son Arnold spent several days with Mrs. Doby's mother, Mrs. Loser, who has been quite ill.

Miss Dorothy Benecke is spending her vacation with friends on a farm in Washington.

Mr. and Mrs. Elbert Stone of Portland visited over Sunday with the latter's parents, Mr. and Mrs. J. W. Townsend.

Mrs. Eliza Stone and sons, Clyde, Cedric and Roy, attended the funeral in Portland yesterday of the former's nephew, Douglas F. Dufer, who had been ill for a long time. Cedric and Clyde Stone were among the pall bearers.

The lawn social at the home of Mr. and Mrs. A. L. Stone last Saturday night was largely attended and was a financial and social success. A delightful evening was spent and the sum of \$9 added to the funds of the Women's Society of the Presbyterian church.

A surprise and miscellaneous shower was given Mrs. Leslie T. St. Clair, a bride of last month, at her home last Saturday afternoon. A happy social afternoon was spent, one amusing feature of which was "Readings from the Book of Ruth." Mrs. St. Clair was the recipient of many beautiful and useful articles of household use. Besides the guest of honor and her mother, Mrs. H. M. Shaw, there were present Mrs. J. Peterson, Mrs. R. W. Thorpe, Mrs. Grant Shaw, Mrs. C. Sheppard, Mrs. Janet M. Grant, Mrs. H. Stenick, Mrs. John Jonas, Mrs. C. G. Fancher, Mrs. J. Moller and daughter Marjorie, Mrs. Geo. Shaw and son George, Mrs. E. C. Morrison, Mrs. H. M. Donley, Mrs. Blain Turner, The Misses Frances and Helen Bliss, Mildred and Winifred St. Clair, Rachel Peterson, Olive Fancher and Nellie Faris.

Samples of Apayao rubber in the Philippine islands collected from incisions in the stem of a vine that grows in profusion throughout certain parts of the mountain province are being tested as commercial possibilities in the rubber market. The vine from which the juice is taken is known as lampit. The sample under examination has both the appearance and odor of raw rubber, and is extremely resilient. The price of rubber has risen enormously since the outbreak of the war, and if the local product is of good quality it is quite possible that a profitable industry may be developed in the Apayao country.

Population of continental United States on January 1, 1917, was 102,826,309, and with its outlying possessions 113,309,285, the census bureau estimates, upon the increase as shown by the federal censuses of 1900 and 1910. Treasury department statisticians, using a different method of calculation, estimated the population of continental United States as 103,002,000 on Nov. 1.

Perhaps the Italian boot has the most interesting outstanding features. The toe caps are the chief characteristics, being specially designed for mountain climbing. The outward leather is that used in the ordinary way for inner soles. Being thus much tougher, they are less likely to tear or scratch against the jagged rocks.

Do not burn weeds and grass if opportunity presents for turning such material into the soil. Nitrogen, that most precious of all fertilizing elements, is entirely lost in burning, and the ashes of any substance is of little food value compared with the same organic matter decomposed in the soil.

A little girl of four years, having written a letter consisting simply of waving lines, asked her father to mail it. "What did you say?" asked father. "I don't know," said Rosamond. "Why, you wrote it!" exclaimed father. "Yes, but I did not read it," was the innocent answer.—Youth's Companion.

Recent experiments in electrical plowing in Sweden, Italy, and France have proved electricity far superior to any other traction power.

**TROUTDALE**

Albert Hensley, another of our boys, has enlisted for Uncle Sam. He is in the engineer corps, Company C, which expects to be called south the 25th of the month. He has a position in Portland but will give it up this week and visit the home folks at Troutdale before going away.

The regular meeting of the Troutdale Chapter, O. E. S., will be held on Saturday evening next. A reception will be given in honor of the recent bride.

George Wells left last Saturday for Southern Oregon after an extended stay with his sister, Mrs. G. P. Lumsden. He has been convalescing after a very serious illness from appendicitis and has improved wonderfully while here.

Whooping cough is very popular with the younger citizens of Troutdale just now.

Mrs. Frank Boscoe returned Friday from a visit with her mother, Mrs. Barlow, at Tacoma, who has been ill.

C. I. Raker received word Sunday of the dangerous illness of his father at Omaha, Nebraska. Mr. Raker left early Monday for his father's bedside.

Clifford Thomas of Dee, and Ralph of Aberdeen, Wash., were week-end guests at the C. I. Thomas home having come to meet their mother, Mrs. J. H. Thomas and sister, Mrs. T. H. Halleck, both of Newport, Ore. All farmers around Troutdale are taking advantage of the glorious haying weather to get in their abundant crops.

The sum of \$25.75 was turned into the Red Cross fund as a result of the recent social of the Troutdale Ladies Aid. The ladies reserved a part of the proceeds of the social to buy supplies for the work for our soldier boys.

**The Hog Industry**

The meat supply of the country can be increased more quickly by the "hog route" than by any other. The country's need to augment its supply is great, but prevailing prices alone should be sufficient inducement to farmers to raise more hogs. The prospect of success never was brighter. The high price ruling in all markets shows that the demand for pork is in excess of the supply.

Hogs fit into the modern scheme of farming on nearly every farm, and are one of the most important animals to raise both for meat and for money. They require less labor, less equipment, and less capital, make greater gains per hundred pounds of concentrates fed, reproduce themselves faster and in greater numbers, and give a quicker "turn-over" of money than any other animal except poultry. Farmers of the South and West, particularly, have awakened to the merits of the hog, and are rapidly increasing their output of pork and their bank accounts.

The hog has no rival as a consumer of by-products and numerous unmarketable materials which but for him might be wasted. Kitchen refuse, not only from farms but also from hotels and restaurants, when cooked before being used, makes excellent feed for hogs.

The value of skim milk as hog feed is known on every farm, though not always fully appreciated. In the neighborhood of many large dairies pork production is a very prominent and lucrative supplement to the dairy.

The fertile plain in which Damascus is situated is about thirty miles in diameter and is due to the river Barada which is probably the Abana of Scripture. Two other streams, the Wady Helbon, on the north, and the Awaj, on the south, increase the fertility and these two contend for the honor of representing the Pharfhar, the other scriptural stream.

Some time ago a woman in Brussels was aroused by the ringing of church bells in consequence of a fire. She had been asleep for nearly seventeen years. When she awoke she was in perfect health and remembered in detail events that had taken place seventeen years ago, before she fell off into her long nap.

Boring holes into the stumps of hard wood trees and filling these holes with equal parts of nitric and sulphuric acid will so soften the wood that it can be removed by ordinary picks. This has been demonstrated in Germany, and is the common treatment there of hard wood stumps.

Professor George Balch, of New York city, originated "American Flag Day." He conducted a private school and on every 14th of June he held special exercises of a patriotic character and every pupil carried a flag.

The Puget Sound division of the Northern Pacific railroad has adopted the policy of employing women instead of men wherever women are able to do the work required.

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**PLEASANT HOME**

The Misses Gertrude and Ruth Iekler, Myrtle and Lottie Milsted and Dorothy Caddy, visited Miss Lena Cooley on Sunday.

Irvin Iekler is on the sick list.

Mr. and Mrs. H. F. Wilhon attended a surprise party in Portland Saturday night on Mrs. Wilhon's brother, Mr. Menzies.

Rev. F. S. Ford is having a brief vacation.

Mrs. L. S. Child and daughter Miss Ruth Child came down from Dayton, Wash., to attend the N. E. A. convention. They are visiting with Mr. and Mrs. D. T. Williams and other old neighbors and friends.

Mr. and Mrs. James Fitzgerald are visiting with relatives in Auburn, Wash.

A method of conducting trade auctions in which an electric announcer takes the place of the calls of the auctioneer for bids is described by P. L. Edwards, clerk to the Commercial Attache at The Hague, Netherlands. The announcer consists of a large dial that is provided with an index hand. The face of the dial is marked with prices, increasing in clockwise fashion, and the hand is set at a price above that which the goods offered will probably bring. It is then slowly moved to lower and lower figures until some trader indicates a desire to take the goods. Electric push buttons are connected with the dial, which the traders press when a price satisfactory to them is reached. When a button is pressed the number of the trader appears on the dial, and the goods go to him at the price expressed by the index hand. Fast selling and lack of confusion are the chief benefits derived from the announcer's use.

The British army boot is made from very stout chrome-tanned leather. It is interesting to note that what is called the "front" of the boot is unlike the average civilian boot, cut all in one piece, right from the toe to the heel, and seamed up at the back. The toe contains, among other things, a plate of hard iron, which is nailed on underneath. On the whole the British Tommy has a small foot, the average sizes being seven and eight. Compare this with that of his Russian brother. Here we have an average of nine and ten. The upper portion of the Cossack boot reaches to within an inch or two of the knee and has a buckle at the top. Its construction is very similar to the British boot, the essential difference being the boot is not stitched round the "welts" as is the British.

A new project of American engineers is a giant canal 250 miles long to connect the Arctic ocean and the Baltic sea, extending from Kandalaska on the White sea to Tornea near the Swedish frontier on the Gulf of Finland. The cost is estimated at \$150,000,000.

A mechanical scrubbing machine which carries brushes, soap powder, and water, is a novelty among electrical devices. It has also a suction pump which removes the dirty water after the scrubbing is done, and the machine is said to leave the floor immaculate.

France is to extend civil rights to women.

Constipation and Indigestion. "I have used Chamberlain's Tablets and must say they are the best I have ever used for constipation and indigestion. My wife also used them for indigestion and they did her good," writes E. Knight, Wilington, N. C. Chamberlain's Tablets are mild and gentle in their action. Give them a trial. You are certain to be pleased with the agreeable laxative effect which they produce. Obtainable everywhere.

**SHOES**

Men's High Cut \$5.00 to \$8.50  
Men's Work Shoes \$3.50 to \$5.00  
Men's Dress Shoes \$3.50 to \$6.00  
Men's Elk Skin Shoes \$2.50 to \$3  
Men's Tennis Shoes .90  
Boys' Tennis Shoes .85  
Boys' Shoes \$3.00 to \$3.25

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**Administratrix Notice.**

In the County Court for Multnomah County, State of Oregon. Notice is hereby given that the undersigned has been appointed administratrix of the estate of Edward Cummings, deceased, by the county court of the State of Oregon for Multnomah County and has qualified. All persons having claims against the estate are hereby notified to present the same, duly verified, as by law required to the undersigned at Gresham, Oregon, within six months from the date hereof.

Dated and first published June 26, 1917.  
MARY A. STUBBS,  
Administratrix.  
C. G. SCHNEIDER, Attorney.  
Last publication, July 31, 1917.

**NOTICE OF FINAL ACCOUNT.**

In the County Court for the State of Oregon, County of Multnomah. In the matter of the estate of J. W. Robertson, deceased. Notice is hereby given that the undersigned, Guy H. Robertson, administrator of the estate of J. W. Robertson, deceased, has been filed his final account in the county court of the State of Oregon for Multnomah county and that Monday, the 30th day of July, 1917, at the hour of 9:30 a. m., of said day at the Court House at Portland in said county and state has been appointed as the time and place for the hearing of objections to said final account and the settlement thereof.

GUY H. ROBERTSON,  
Administrator.  
C. G. SCHNEIDER, Attorney.  
Date of last publication, June 26, '17  
Date of last publication, July 24, '17

**Wood Wanted**

Bids will be received by the Board of Directors of Union High School Dist. No. 2, for the furnishing and delivery of 100 cords of first growth red fir wood.

Wood to be delivered at the school premises on or before October 1st, 1917.  
All bids to be in the hands of the clerk by July 29th, 1917.

G. W. STAPLETON,  
Chairman.  
K. A. MILLER, Clerk,  
at Bank of Gresham. (49)

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