### Spray Recommendations.

By F. C. HOLIBAUGH

as the last petals are falling and before callyx closes on the main bud of court and cause, on or before the This spray is necessary for scab control and represents our first codling moth application For scab on apples or pears use lime sulfur, 1 to 40. For codling moth (apples only) add arsenate of lead, 2 gallons to 100 of water. It is noticed that there is quite a wide varintion in blooming as between different sections and also between differ ent varieties. For this reason no reabsolutely fit all conditions, but as the calyx spray is one of our most important sprays, we should water closely and apply this just as the

last petals are falling. Considerable complaint is being made over the country against the garden slug, which is doing considerable injury to truck crops. There are several ways of handling the slug. A Bordeaux mixture of 4-4-40 which sprayed on the folinge of the plant proves an excellent repellent, and it is quite possible that the Bordeaux applied in powdered form is better yet. Another method is to use poison bait in combination with the spray Use calcium arsenate, 1 ounce, to 1 pound of any kind of chopped green material, lettuce leaves preferably Mix the calcium arsenate with the chopped green material and scatter in small heaps about the area to be protected. Another method is to place sait on the ground where the

chi in anni chi itty. dai ed anni chi itty. dai thi bei bei chi itty. to chi itti itty. to chi itti itty.

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op pi

The time is now at hand when we can look for aphids or plant lice to want thereof, the plaintiff will apply begin to attack our garden and 'ruck to the Court for the relief demand Leaf 40" applied at the rate of 3-4 pint to each 100 gallons of water, with 4 pounds of soap added, the plaintiff and according between dred Watts to W. L. Goin by doed with 4 pounds of soap added, the plaintiff and defendant added to the spray.

### Guernsey Sale,

a consignment sale of Guernsey cat- ed on the 24th day of April, 1922. tie at the International Livestock and the time prescribed for publica-Exposition buildings, Portland. Any- tion thereof is six weeks, beginning Guernsey females should attend this April, 1922, and ending with the issale. If you wish to buy and have sue of the 9th day of June, 1922. any idea of what you want, and cauany idea of what you want, and can-not go yourself, get in touch with the Attorney for Plaintiff, Residence make purchase for you. Over 50 Guernseys, the pick of the best herds in the West, will be offered, and it will be a splendid opportunity to secure some of this stock.

### Good Cultivation Necessary.

Dry weather for a few weeks has de it almost impossible, because of shortage of teams or tractors, for some orchardists to get their first cultivating done before the ground As a result, more care Break down the clods well and keep ap a good ry mulch. The man who has had the foresight to grow cover crops is having less trouble from his the land baking than the man whose date soils lack organic matter.

### Poultry Manure Rich.

Poultry manure analyzes high in nitrogen, the most expensive of the plant foods to buy as fertilizer, but this element escapes easily by fermentation. To prevent this loss add a small amount of super-phosphate to the manure, which will also reinforce it in phosphorous. Never add ashes to poultry manure as they hasten fermentation which results in the loss of nitrogen as ammonia.

Mallet Kills Crown Borers.

Where crown borers have been serious in loganberries and black-

serious in loganberries and black- and entered on the 19th day of Land Claim; thence running South serious in loganberries and blackcaps, growers may effect some considerable control over next year's
pests by breaking off the old cane
stubs with a light mallet. This may
be done while cultivating. The nature grubs are now in these old
stubs but will later develop into

JUNIUS V. OHMART,
Attorney for Plaintiff, 996 Northwestern. Bank Bldg. Portland,

### No Representatives Here.

Some presons in the Northwest are being misled into believing that the potato association of America has representatives selling seed po-tatoes in Oregon. The association officials indicate that they have no division in the northwest and no lots

## NOTICE TO CONTRACTORS.

required to furnish references satis-factory to the board.

All bids must be made out on said ward, to-wit;

High School, District No. 1, Ver-

nonia, Oregon. F. E. MALMSTEN, Clerk.

22-23

#### SUMMONS.

In the Circuit Court of the State of Oregon, for Columbia County. Iva Smith, Plaintiff,

William G. Smith, Defendant. In the name of the State of Oregon you are hereby refuired to ap-Calyx spray will soon be due, just pear and answer the complaint filed 29th day of April, 1922, and for want thereof the plaintiff will apply o the court for the relief prayed for in her complaint, to-wit: a decree of this Honorable Court disisting between your self and the plaintiff and for permission of Court to hereafter resume her former name, to-wit, Iva La Rone and for such further relief as to the Court may seem just in the premises.

This summons is published by der of the Honorable Martin White, Judge of the County Court of the ING therefrom the following parcels State of Oregon for Columbia Coun-ty made and entered on this 23-7 land conveyed by W. T. Watts and ty, made and entered on this 23rd day of March, 1922. First publication March 31, 1922.

Last publication May 12, M. J. MacMAHON,

Attorney for Plaintiff. Worcester Building, Portland, Ore.

### SUMMONS.

In the Circuit Court of the State of Oregon for Columbia County. John Monroe Martin, Plaintiff,

Virgia Martin, 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 court and cause on pany by deed March 5, 1906, recorder before the 10th day of June, 1922 said day being after the control of the court and cause on pany by deed March 5, 1906, recorded March 9, 1908, in Book 5, page 474, deed records of Columbia. OF OREGON: You are hereby remethod where calcium arsenate is used is probably the most effective.

The time is now at hand when we mons; and if you fail to appear, for Mildred Watts to W. E. Purdy by ed in his complaint, to-wit:

der of the Honorable Martin White. Judge of the County Court of the State of Oregon for Columbia Coun-On Monday, June 5th there will be ty, which order was made an enterinterested in securing good with the issue of the 28th day of

> and Post Office Address, St. Helens, Oregon.

### SUMMONS.

In the Circuit Court of the State of Oregon for the County of Colum-Gussie O. Smith, Plaintiff,

vs. Orlando N. Smith, Defendant.

To Orlando N. Smith, the above-

IN THE NAME OF THE STATE OF OREGON, you are required to of Elizabeth M. Watta, widow, being appear and answer the complaint a tract bounded 218 test post itled court and cause, on or before he 9th day of June, 1922, said thence 420 feet easterly and the date being six week from the first north line of the land of Elizabe publication of this summons, and if you fail to appear or answer within said time, for want thereof, the right-of-way to a point, the said ceased, has filed his final account in the said ceased.

western Bank Bldg., Portland,

### NOTICE OF SALE OF REAL PROPERTY.

In the County Court of the State of Oregon for Columbia County.

In the Matter of the guardianship o the Estate of Mildred Watts, an Insane Person.

Notice is hereby given that by virtue of an order made in the above Scaled bids will be received by the entitled court and matter on the 24th Board of Directors of Union High day of April, 1922, the undersigne School District No. 1, Vernonia, Oregon, aSturday, May 20th. 1922, for on and after the 31st day of May the erection and completion of a 1922, at the office of John L. Storia High School Building, according to Columbia County Bank Building, St. plans and specifications prepared by Helens, Oregon, will proceed to sell Chas. A. Burggraf, architect. Albany, Oregon. All bids must be accompanied by a certified check, payable to "Union High School District No. 1, Vernonia, Oregon" for the sum of \$200, as a guarantee that the contractor will furnish an approved bond secured by mortgage on time, secured by mortgage on the propersonal to 50 per cent of the contract. equal to 50 per cent of the contract ty sold, with interest thereon at not within ten days after the awarding less than six per cent. per annum. of the contract. Contractors are required to deposit \$20 as a guarante to return plans at time agreed made within four years from the upon, and the lowest bidders will be date of such sale, the following deposit and the lowest bidders will be date of such sale, the following deposits to the contract of the contract.

All bids must be made out on blank proposals for the same.

Blanks furnished upon application by the cierk or architect. Plans and specifications may be seen at School Clerk's office, Vernonia, Record Abstract Office, Portland, Oregon, or at architect's office.

The Board reserves the right is a said ward, to-wit:

Lots numbered 1, 2, 7 and 8, in Block 9; Lots numbered 5, 6, 7 and 8, in Block 10; Lots numbered 2, 3, 4, 5, 6 and 7, in Block 11; all of said lots and blocks being in Waits Addition to Scapense according to the plat data. The Board reserves the right to re- poose, according to the plat duly By order of School Board of Union igh School, District No. 1, Ver-Also Lots numbered 5 and 6, in Block 4; Lots numbered 5, 6, 7 and 8, in Block 6; all in the East Side Addition to Scappoose, according to

the plat thereof on file in the office of the County Clerk of Columbia County, Oregon.

Also a tract of land described as follows: Beginning at a point where the county road intersects the south line of the Timothy Lamberson Do nation Land Claim; thence North 70 degrees West 31.91 chains to the eastern boundary line of the Northright-of-way; thence southeaster! with said line of right-of-way 32.5 chains to south line of the B. M. Watts Donation Land Claim; thence North 85 degrees, 20 minutes East 21.79 chains on said south line of said Watts Donation Land Claim to center of County road; thence North 18 degrees, 30 minutes East along center of said County road to place of beginning, and situated in Section Township 3 North of Range 2 st of the Willamette Meridian, containing 71.25 acres, but EXCEPT Mildred Watts by deed to B. Hanne June 11, 1906, in Book 7, page 16 of deed records of Columbia County

Oregon; SECOND. A tract of land onveyed by W. T. Watts and Mil dred Watts by deed to John Hart man, dated September 17, 1906, re corded on November 17, 1906, is Hook 7, page 320, deed records Columbia County, Oregon; THIRD A tract of land conveyed by W. T Watts and Mildred Watts to Sam Wiest by deed dated October To Virgia Martin, the above-named 1906, recorded October 20, 1908 Book 7, page 273, deed records of Columbia County, Oregon; FOURTH deed dated October 8, 1906, recorded January 5, 1907, in Book 7, page 452, deed records of Columbia Coun dated October 8, 1906, and record This summons is published by or-er of the Honorable Martin White of Columbia County, Oregon; SEV site of East Side Addition to Sci poose, as platted and recorded in th office of the County Clerk of lumbia County, Oregon; EIG A tract of land conveyed by dred J. Watts, widow, to M. B. Grewell by deed dated July 17, 1909, recorded on July 21, 1909, in Book 12, page 511, deed records of Co-

> and Claim and along the north the Jesse Miles Donation Land 'aim, said strip running from the iddle of a certain pond lily lake esterly to and adjoining the rand whed by Elizabeth M. Watts, widow, said strip being two rods wide and about 80 rods long, and used or an easement leading to said ponily lake, being in Sections 12 and 13, Township 3 North of Range West of the Willamette Meridian.

a tract bounded 210 feet nort

degrees, 42 minutes East 324 feet to the north line of said Miles Dona tion Land Claim; thence South 79 degrees East on North line of sal Donation Land Claim 1240 feet thence North 20 degrees East 72 feet; thence westerly to place of he-ginning, and containing 15 acres, situated in Sections 12 and 13 in Township 3 North of Range 2 West of the Willamette Meridian

Also a tract of land described as follows: The South half of Northeast quarter of the Northwest quarter, and the East half of outheast quarter of the Northw quarter of the Northwest quarter and 1.67 acres off the East side or the West half of the Southeast quater of the Northwest quarter of

Mason Tires

Philadelphia Batteries

# Better than Pills



WOU WILL NEVER wish to take another dose of pills after having once used Chamberlain's Tablets. They are easier and more pleasant to take, more gentle and mild in their action and more reliable. They leave the bowels in a natural condition, while the use of pills is often followed by severe constipation, requiring a constant increase in the dose. Every bottle guaranteed by your druggist.

# Chamberlain's Tablets

## The BERGMANN DOUBLE CALK LOCK

CALKS GUARANTEED TO HOLD. A NEW PAIR OF SHOES FREE IF THE CALKS COME OUT.

> In Bergmann Shoes Only

Insist upon Bergman Shoes and Double-Calk Lock Calks and have the best Shoes made and absolute Calk Protection. No more lost calks.

Write for Our Illustrated Catalog.

Theo. Bergmann Shoe Mfg. Co.

Willamette Meridian, contain-

state to do so; and said deed For Portland: interest and estate of said 10:45 a.m.

Date of last publication, May 26, 9:45 p. m.

### NOTICE OF FINAL ACCOUNT. In the County Court of the State of

Oregon, for Columbia County.

Mist Wantads are sale getters.

PERRY GRANITE CO Earl Perry, Mgr.

301-303 Fourth St., Cor. Columbia, Portland, Ore. Designers and Manufacturers of Monuments

Designs and prices by mail

Harms Bros. Garage

FOR REPAIRING AND OVERHAULING SEE US AND GET OUR PRICES

Battery Service Station, recharging and reinsulating.

Service Batteries and Philadelphia Diamond

Grid Batteries for sale.

Towing at all times with auto ambulance at your

service.

Phone 138-J. If No Answer Call 2F14.

OPEN EVENINGS

For Good Work, always

Maxwell Parts

Accessories

## COLUMBIA AUTO BUS LINES SCHEDULE

7:30 a.m. 8:00 a. m 10:00 a. m 11:30 a. m 11:40 a.m. 2:30 p. m

Ticket office and waiting room at Riverside Confectionery. Phone 28

Special leaves Portland Saturday and Sunday at 11:00 p. m.



### ST. HELENS BEST BUTTER

A home product of guaranteed quality, manufactured by home folks for home consumption. It it always good -and there are no substitutes for dairy foods.

St. Helens Co-Operative Creamery Assn.

### Reduced Round Trip Fares -To and From-

# PORTLAND

McBride .....\$1.70 Deer Island .....\$1.85 Goble .....\$2.25 JACK O'MALLEY, Custom Suits Made to Order, Cleaning and Prescott .....\$2,40 Pressing.

Conductors will sell tickets from soints where agents are not on duty.



J. R. GILBY, Agent St. Helens Oregon

# Handy Business Directory

ABSTRACTS

COLUMBIA COUNTY ABSTRACT Geo. H. Shinu, President

# AUTOMOBILE TIRES

AUTO TIRE WORK-The Bo ton Tire Shop has changed its tan It is now the Liberty Tire Shop a s located a quarter mile down highway from Houlton, Will be a for business May 5. Wm. Lambs

### BARBERS

BENNETT'S BARBER SHOP. new location. On the Strand a erything modern. First Class &c

MUHR BARBER SHOP-OF te Club Cigar Store. Everyn sanitary and up-to-date, Bath is to nection. Come in and see us.

O. K. BARBER SHOP-1 First-closs work, ball i connection. An up-to-date same shop. E. L. Adams, Proprietor.

### BLACKSMITH

J. L. CHITTEM-Expert hose hoeing blacksmith. Wagon, w riage, auto repairs.

### CONTRACTOR

R. W. BOOTH.-Contractor p Builder, Plans and Estimates Fan ished. St. Helens, Oregon.

ALBERT BURCHAM-Pile to-ng, dock building, bridge work at general water front contract St. Helens, Ore. DECORATOR

## LYONS, THE PAINTER-The OF

eliable Paper Hauger, Decon Helens, Ore. Phone 116. DAIRIES

## INGLESIDE DAIRY - For Pa

Whole Milk. From our own T. lested cows. Quality sorvice gar anteed. Try us. W. L. Horrie, Pro

## HOTELS

ORCADIA HOTEL-Thos. letur rop. Courteous treatment. Fm lass accomodations and meals.

### INSURANCE

WM. J. SHEEHY,-Special April Oregon Life Insugance Comp 317 Corbett Bldg., Portland, On

E E. QUICK-Insure year property with a company that has pal dollars in fire losses in the lat h years Insurance written at cost lividends, Oregon Piro Relief As McMinville, Oregon. E. E. Qu PLUMBING

### clumbing Shop. Prices alway ?

FOR PLUMBING and REPAIRIN see STEVE BALOCCO, Houl

sonable. RESTAURANTS ST HELENS RESTAURANT-

### SECOND-HAND STORE

Good meals at all hours. On the

CENTRAL 2ND-HAND STORE ew and second-hand goods Priss reduced on all lines Everything M the home. Gus Martin, Prop. 8. Helens, Ore.

HOULTON NEW AND SECOND HAND STORE—Everything of an value bought, sold or exchange Phone 52-J, Harry Sibley, Prop.

### SHOE SHOP

C. C. CARSON-The Shoe Dods hoe Making, Repairing Weilington Bldg., St. Helens.

ALBERT BRATHERG—Show all Harness Maker. Any kind of Load-er work done. Prices reasonable Work first-class. One block week St. Helens depot.

# SHOE SHINE PARLOR

FOR LADIES AND GENTS Return limit seven days.

St. Helens ......\$1.50

Assembly ......\$1.60

Shoe Rolles AND GEND Shoe Less Shoe Polish. Courteous Transmit and Good Work. Royal Sh-e Sw. Eewitt Building, St. Helens. Opt

## TAILOR

JACK O'MALLEY, Custom Talls

## TRANSFER COMPANIES

Long Distance Hauling and Motistor for storage call C. A. Sauist business 250 1:es Phone 72J, business 200 118W. Prompt service. Reasonal prices

ST. HELENS TRANSFER CO. Transfer, Storage, Hauling of Billiams, Sand, Rock and Wood for all BURNS BROS., Props. Phone 15.

R. S. McKIE-Transfer work local and long-distance Rates reasonable. Phone 68J of St. Helens.

to

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