

BORDEAUX MIXTURE.

Plain Directions For Making It as Conveniently as Possible.

By C. L. SHEAR, department of agriculture.

Bordeaux mixture should be prepared as follows:

Copper sulphate (blue vitriol or bluestone) 4 pounds Unslaked lime 4 pounds Water 50 gallons

To prepare the mixture most conveniently and economically stock solutions of the ingredients should be made.

Secure four barrels, holding at least fifty gallons each, in addition to the barrel which is to be used for the spray pump.

To prepare the stock solution of copper sulphate place 100 pounds of copper sulphate in a stout, coarse sack and suspend it in another barrel, which should be filled with water.

Make two half barrels by sawing one of the fifty gallon barrels through the middle and put two gallons of the stock lime—that is, four pounds—in one barrel and add sufficient water to make about twenty-two gallons.

If desired, these stock mixtures may be prepared by using only fifty pounds of lime and fifty pounds of bluestone in each barrel.

ATMOSPHERIC NITROGEN.

Inoculation is Not a Panacea For All Soil Evils.

The only direction in which soil inoculation has been rendered more or less practicable is the inoculation with cultures of various tubercle bacteria.

But it should also be remembered that in most soils the failure of leguminous crops to grow satisfactorily is due not to the absence of the proper soil bacteria, but to general unfavorable soil conditions.

There is ample justification, therefore, to utter here a warning against misconception and unjustifiable expectation.

The Takilma smelter was started up this week and will be operated till the arrival of winter rains and bad roads.

THE GARDEN KEYBOARD

Rich, heavily manured land should be provided for squashes, and these should be planted only when the weather is really settled.

Remove the blossoms from newly set strawberry plants.

A mulch of salt hay or straw between the strawberry rows keeps the soil moist, the berries clean and prevents weeds.

Plant sweet corn, both early and late kinds, and by making enough sowings of each at judicious intervals you may have a feast extending far into the fall.

A most brilliant bedding annual is phlox—such dazzling colors, such masses of bloom, dominating the rest of the plant, besides soft bright shades of pink, rose, lavender, striped and white centered and pure white.

PRIVATE WOBDS TO WOMEN

The eminent and successful electric and medical physician, Dr. Darrin, has discovered and perfected a system of treatment that has caused a revolution in the treatment of female diseases.

As a discovery it ranks with Harvey's discovery of the circulation of the blood. It has proved in more than a thousand cases of the worst kind to be a positive cure for the following female diseases: Ovarian tumors, polypus, ulceration and dropsy of the womb, painful and suppressed menstruation, bearing down pains, backache, headache, reeking cough, melancholy, absence of ambition or desire to live, or in fact any complaint having its generative origin in a disordered state of the generative and accompanying organs.

The following cards were offered by ladies desirous of helping others similarly afflicted:

TO THE EDITOR: For two years past I have had a severe pain in the region of the liver with enlargement of that organ. It gave me great annoyance and I was compelled to forego my house work.

Dr. Darrin treated me one year ago for catarrh, neuralgia and rheumatism, scalp trouble, deafness, general nervous debility, female troubles and partial paralysis of neck of the bladder, with marked success.

Dr. Darrin is located at the Smeed Hotel, Eugene, until October 1, and will give free examination to all 10 to 5 and 7 to 8 daily.

The true merchant considers his business as the field in which his life's best efforts must be brought to fruition.

The merchant does owe it to his business; however, to see that his own social, fraternal or denominational leanings are not made those of his business.

The Takilma smelter was started up this week and will be operated till the arrival of winter rains and bad roads.

Mrs. Frank Henderson, who was accompanied to Portland last week by Dr. Oglesby, for the purpose of having an operation, passed through the ordeal successfully and it is reported will soon recover.

Mrs. Harding is entertaining her sister and family from Gardiner.

A. B. Wood is in Portland, and when he returns will bring his mother for a visit.

The Misses Newland have not as yet disposed of their entire stock of millinery, but are having a good sale, as such prices cannot help but draw trade.

Charles Finerty is slowly improving. Earnest Sears was a visitor to Cresswell Sunday.

ONE DOLLAR SAVED REPRESENTS TEN DOLLARS EARNED.

The average man does not save to exceed ten per cent of his earnings. He must spend nine dollars in living expenses for every dollar saved.

AN ELEGANT SUMMER BOOK

Splendid Publication Just Issued by the Oregon Railroad and Navigation Company.

"Restful Recreation Resorts," the 1905 Summer Book issued by the department of the Oregon Railroad and Navigation Company, of forty-eight pages and cover, the book is printed on heavy white paper, fifty-eight cuts being used to illustrate the trips up and down the Columbia river, to the mountains' beaches, inland resorts and fountains of healing.

CHILD NOT EXPECTED TO LIVE FROM ONE HOUR TO ANOTHER. CAPTURED BY CHAMBERLAIN'S COLIC, CHOLERA AND DIARRHOEA REMEDY.

Ruth, the little daughter of E. N. Dewey of Agnewville, Va., was seriously ill of cholera infantum last summer. "We gave her up and did not expect her to live from one hour to another," he says.

Southern Oregon Chautauqua. "The Southern Oregon Chautauqua Assembly will be held at Ashland, July 12th to 21st inclusive.

This assembly promises to be of unusual interest. Among the prominent speakers will be Dr. F. W. Gunsalus, Dr. Wm. A. Quayle and Rabbi Stephen S. Wise.

GOOD FOR STOMACH TROUBLE AND CONSTIPATION. Chamberlain's Stomach and Liver Tablets have done me a great deal of good," says C. Towns, of Rat Portage, Ontario, Canada.

Something for Your Eastern Friends. The 1905 issue of the publication "Oregon Washington and Idaho and Their Resources," issued by the Passenger Department of the Oregon Railroad and Navigation Company, is now ready for distribution.

The attitude of the merchant towards His Competitor. To be ideal should be fair, frank and open. This is easily said. But if it were fair, frank and open on this particular topic, we should be driven to the confession that the ideal attitude is too often not the ideal one.

JAS. H. POTTS PROPRIETORS OF THE FASHION STABLES

First Class Turnouts, Double or Single. POTTS & McQUEEN COTTAGE GROVE, ORE.

BUY IT NOW.

Now is the time to buy Chamberlain's Colic, Cholera and Diarrhoea Remedy. It is certain that sooner or later and when that time comes you will need it badly—you will need it quickly.

INDIGESTION. With its companions, heart burn, flatulence, torpidity of the liver, constipation, palpitation of the heart, poor blood, headache and other nervous symptoms, sallow skin, foul tongue, offensive breath and a legion of other ailments, is at once the most widespread and destructive malady among the American people.

KILL THE COUGH AND CURE THE LUNGS WITH Dr. King's New Discovery FOR CONSUMPTION GULS AND Price 50c & \$1.00 Free Trial.

PRIVATE Hospital and Sanitarium All the latest treatments. PLAIN and MEDICATED BATHS. ELECTRICITY, ETC.

Lewis and Clark Exposition Ticket Rates. INDIVIDUAL TICKETS. Cottage Grove to Portland & Ret \$5.90, good for 30 days, but not later than Oct. 31st, 1905.

BASEBALL PLAYERS AND FOOT RACERS. Louise J. Kruger, ex-champion long distance foot racer of Germany and Holland, writes, Oct. 27, 1901: "During my training of eight weeks' foot races at Salt Lake City, in April last, I used Ballard's Snow Liniment to my greatest satisfaction."

BARKER & PERMAN THE EXCHANGE WINE, LIQUORS, CIGARS. Main street, Cottage Grove, Ore. J. S. Medley. J. C. Johnson.

J. E. YOUNG Attorney-at-Law * * * Office on Main street, West side - COTTAGE GROVE, ORE.

A. H. KING Attorney at Law, COTTAGE GROVE, ORE. Hoff & Colwell Mining Engineers U. S. Mineral Surveyors Room 1 Bank Bldg, Cottage Grove 602-603 Oregonian Bldg, Portland, Oregon.

A. B. WOOD, Manager ARRIVAL AND DEPARTURE OF S. P. TRAINS. NORTH BOUND. No. 12, 11:53 p.m. No. 11, 11:35 p.m. No. 10, 11:17 p.m.

THE FASHION STABLES ALSO OFFICE OF THE First Class Turnouts, Double or Single. POTTS & McQUEEN COTTAGE GROVE, ORE.

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WOMEN WHO SUFFER FROM Sick Headache SHOULD USE HERBINE For Permanent Relief. HERBINE acts directly on the Liver. It will cure CONSTIPATION, DYSPEPSIA, MALARIA AND CHILLS. It is entirely free from all poisonous mineral substances, and is composed solely of LIFE-GIVING HERBS.

NOTICE OF FORFEITURE. To L. E. Shavens and Niles Helms, and to any and all other persons claiming the right, title or interest, either in law or equity, in or to the hereinafter described mining claim and premises, by through or under the said L. E. Shavens and Niles Helms or either of them:

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O. & S. E. R. CO. Time Table No. 4 To take effect April 24, 1905. East Bound 3 and 4 Tuesday W. Bound and Sat only 1 and Daily Ex-cept Sunday.

Subject to change without notice. All outward freight forwarded only at the point of shipment and consigned. Freight will not be received at the O. & S. E. R. Depot after 5:30 p.m. To insure forwarding on next train freight must be delivered in ample time to permit of its being billed.

A. B. WOOD, Manager ARRIVAL AND DEPARTURE OF S. P. TRAINS. SOUTH BOUND. No. 11, 11:35 p.m. No. 10, 11:17 p.m. No. 9, 10:59 p.m.

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