

MEDFORD MAIL TRIBUNE

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GEORGE PUTNAM, Editor and Manager

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SWORN CIRCULATION. Daily average for six months ending December 31, 1910, 2721.

PESTS

Our Daily Disconnected Story.

To "paint the town red" has long been recognized as the inalienable right of every free born American citizen, providing the methods employed do not cause an inharmonious jangle upon the wires leading to police headquarters or the board of health, but when the by-product of eating tobacco and much nastication instead of the ordinary 100 proof proboscis dye is used the Society for the Treatment of Municipal Boils immediately steps in, unlimbers its most awe inspiring frown and proceeds to otherwise display great petulance.

Upon the strength of a report received in the headquarters of the society this morning, U. Mossy Tread, the pest slench, was detailed to prosecute a rigorous investigation, as the result of which he reported that a person believed to be Some One, alias "They" or "They Say" fame, has during the past two months, spent considerable time and an unlimited quantity of money in decorating the curb stone signs of local, really dealers with tobacco juice.

In view of the fact that the city's sidewalk, especially at the more congested corners, is being given a great deal of the same kind of treatment, it is expected that the Anti-municipal anti-spitting ordinance, comb the moss from off it and put it to work.

OREGON WILL SHOW IN FRISCO

Governor West Sends Message to Legislature Urging Appointment of Commission to Choose Site at San Francisco.

SALEM, Ore., Feb. 14.—Governor Johnson's request for Oregon's cooperation in the Panama Pacific Exposition to be held at San Francisco in 1915, of which Governor West was in receipt today, was made the subject of a special message to the Legislature from Governor West this morning. The governor's message in part follows:

"I am in receipt of a message from the Hon. H. W. Johnson, governor of California, calling my attention to the fact that congress has chosen San Francisco as the city in which the Panama Exposition is to be held in 1915.

Governor Johnson suggests that a commission be appointed by this state to visit San Francisco and the exposition site. He makes the further suggestion that it would be fitting for this legislature to appropriate such funds as would cover the expenses of this commission."

Governor West included Governor Johnson's request in his message to the legislature and it is believed that action will be taken upon the suggestion immediately.

CITY COUNCIL TO CALL AN ELECTION

The mayor and city council will hold a special meeting this afternoon to consider calling a special election at which the question of issuing city bonds to the value of \$20,000 for improvements and lowering of certain sewers and water mains will be put up to the public to decide.

The meeting was scheduled for Monday afternoon but was postponed. If you are sure that your store offers better values than any other in your line, be equally sure that it is better advertised.

SAFELY ON HER WAY

THERE has been no time in the history of Medford that a new year has seemed so full of promise as 1911. We are in the midst of a great building movement, both in the erection of homes and the creation of new business enterprises, and as each month rolls away a material advance will be noticed. There is a spirit of confidence among our people that makes the further upbuilding of our city a certainty. About us is heard continually the song of the hammer and the saw, and new buildings are springing into existence as if by magic.

Property values are holding up firmly. A steady advance being noticeable, due probably to the natural economic law that increase values in about the same ratio as the increase in population. On all sides we have the evidences of a new immigration from the east and middle west and the new arrivals are here to stay, assisting our older inhabitants to upbuild the city; giving plentifully of their ideas and money.

Medford today has passed that portion of her history where there was doubt of her future and is safely on her way. Before the end of this year she will have many more miles of her streets paved; she will have the mountains about her teeming with the industry of the miner; she will have double output of fruit from the valley land. And to meet this progress the city will have added many substantial business blocks and residences and will have redeveloped a number of the older ones.

Medford has much to be proud of and each new roof lifted to greet the rising sun should be viewed with a sense of exultation. For it means more happy people to share with us this wonderful country. It means that here, where once the moans of the Indian followed on the tracks of the deer; where the ox carts of the early settlers creaked their way along the path of dreams, we shall build a greater Medford, fair in her destiny and unrivaled in her progress.

BUY AT HOME

JUST what the argument is that induces people to send away from home for the necessities of life is not easily seen. But still they do it. One day last week five different shipments of groceries were noticed on the platform of the local freight shed, addressed to as many private families of the city. And this condition exists in all communities. Certainly it is not because the articles in question could not be purchased in Medford—a dozen different stores have them—nor could it have been a difference in price, for the man who buys in carload lots can, in most instances, sell as cheaply as the larger firms of the metropolis. The mail order purchaser is ignorant—ignorant of the injury he is working on the community, and therefore to himself.

The local merchant is entitled to the patronage of his neighbors. He pays local taxes; he contributes to local charities and public works; he gives employment to local people; he is one of the greatest factors in the upbuilding of a community. The man who withholds his patronage from a home merchant in order to give it to one who has nothing in common with him is but an obstacle to progress. Residents of Medford can certainly find no excuse for not trading at home. The merchants of the city carry the most up-to-date lines and complete stocks. They are all and all are public spirited—contributors to all movements tending toward the betterment of their city.

CLOUDS WITH A GOLDEN LINING

THE rain record for this year is a heavy one, and there seems to be no let-up in sight. Of late the oldest inhabitant and the newest arrivals are voicing their disapproval—but with little avail, for, as Mark Twain remarked, "There is much said about the weather, but nothing is done."

These expressions of disapproval are for the greater part thoughtless remarks made upon the spur of a moment, as a "rubber" is lost in the mud. But our people should remember that the rain means gold to the Rogue River Valley.

Remember the result last year when the rainfall was light. The crops were below the average, owing to a lack of moisture—there is no gainsaying the fact. But with the heavy and continued rains of this season bumper crops are assured. Any big crops mean prosperity and progress.

So don't call the weather man bad names. He is doing all that he can. And remember that every leaden cloud that hides the sun from view has a golden—not merely silver—lining, for the raindrops of today mean a golden shower in the fall.

MANY TELL WHAT WHITE FLAG IS THIS CITY NEEDS THROWN TO BREEZE

Sunday Editor is Receiving Many Replies to Query "What Medford Needs" — Some Are Written in Spirit of Jest.

That easy going Sunday editor of the Mail Tribune is having the time of his life. He is simply buried with replies to his query to the people of Medford as to the greatest need of the city at the present time. He has received answers ranging from "five cent beer" to "a law to bar jealous husbands from the city."

However the question was propounded in earnestness and was not meant to bring forth a crop of humor. Many serious answers have been received which will be published next Sunday morning.

Lime-Sulphur—Its Use as a Fungicide and an Insecticide

—By— Prof. P. J. O'Gara, Pathologist. Written especially for the Medford Mail Tribune.

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(Second Installment.)

Sulphur has long been known to have fungicidal properties and has played an important part in the treatment of several plant diseases, notably the powdery mildew of the grape, the rose mildew and the asparagus rust. Previous to the year 1880, it was practically the only fungicide in use and it is today one of the best remedies for the various mildews. Shortly after 1882, when Prof. Millardet of France published to the world his discovery of our well known Bordeaux mixture, the use of sulphur and its various compounds was to a great extent forgotten, the new fungicide having taken such an important place in the control of plant diseases, notably the black rot of the grape, as well as potato diseases, principally the potato blight.

The use of sulphur in combination with lime dates from the year 1833, long before the general use of fungicides was known. It was recommended by Dr. William Kenrick that a mixture of sulphur (one and a half pints), quicklime, (a piece the size of the fist), and two gallons of boiling water be used for the mildew on the grape. This recommendation was published in the New American Orchardist in 1883. The method of using the mixture was that, after cooling, it was diluted with cold water and allowed to settle. The clear liquid was then drawn off and diluted to make a barrel full before using.

To what extent this interesting mixture, which compares to a certain extent with our present self-boiled lime-sulphur mixture, was effective in controlling the mildew of the grape, we do not know. That it had some value, we cannot doubt, since we now know that weak solutions of commercial lime-sulphur, as well as self-boiled lime-sulphur, are effective in controlling the grape mildew in California and to some extent have taken the place of the flowers of sulphur.

In the year 1885 William Saunders earnestly enough recommended for pear blight a self-boiled lime and sulphur wash which consisted of eight pounds of sulphur, one-half bushel of good lime and boiling water. The mixture was applied as a whitewash with brushes. Mr. Saunders also devised the application of a clear sulphur liquid drawn off from this wash and greatly diluted as a remedy for the mildew. Of course, his recommendation as a remedy for pear blight was known at that time, this error should not have been made for we now know that no washes or sprays are at all effective in its control with the exception that they may act as a repellent, keeping the many blossom visiting insects away from the trees.

Beginning about the year 1901, Mr. W. M. Scott, now of the United States department of agriculture, and at that time entomologist for the state of Georgia, carried out some interesting experiments with sulphur and its various compounds in order to find a fungicide which could be used during the growing period on peach trees for controlling the brown rot which has always been the most serious menace to the peach growing industry in the middle west, eastern and southern states. For a number of years Mr. Scott's efforts were in vain and it was not until about the year 1907 that a compound of lime-sulphur was found which would prove effective as a summer spray and not injure the delicate foliage of the peach. About the same time (1901), however, Mr. Scott found that the lime-sulphur, home-boiled solution, was equally as effective as Bordeaux in controlling the peach leaf curl. Its use for controlling this disease has become quite general throughout the south since the initial experiments which were made in 1901 and 1902.

In 1904 Mr. M. B. Waite, pathologist of the United States department of agriculture, suggested the use of lime-sulphur as a control for the peach blight or shot-hole disease in California. He suggested the spray as a possible remedy for this disease and it was used in a great many instances in place of the Bordeaux mixture.

The use of lime-sulphur as a general fungicide, both for dormant spraying and summer spraying, dates from the year 1907. The first important experiments which gave very satisfactory results in the control of the brown rot of the peach were made by Mr. W. M. Scott in Georgia. His results were first reported at the Jamestown meeting of the American Pomological society in September, 1907, and were published in the proceedings of that meeting. They were also presented before the Missouri State Horticultural society in December, 1907, by Mr. W. F. Fauron, who assisted in the work. It may

be stated that experiments were conducted at Marshallville, Ga., the birth place of the Elberta peach. Similar experiments were also carried on at Bentonville, Ark., and Neoga, Ill., a year later, these fully verifying the results which were obtained in the year 1907. The data secured was of so great importance that an unqualified recommendation for the general use of lime-sulphur as a summer spray in the peach growing districts where brown rot and scab are prevalent was made.

During the year 1907 Prof. A. B. Cordley of the Oregon Agricultural college also carried on some very interesting experiments, principally for the control of apple scab. Instead of using the formula which Mr. Scott had proposed, he used the well-boiled wash and the commercial lime-sulphur solutions which were found on the market. These were used in a very diluted form and gave excellent results. In fact, Prof. Cordley's work was so significant that he has very strongly recommended the lime-sulphur solutions as a satisfactory substitute for the Bordeaux mixture for summer spraying and has stated that, so far as conditions in the northern part of the state are concerned, it will probably be the only spray used in the future.

During the years since 1907 much work has been done to perfect the use of lime-sulphur as well as sulphur in various other combinations. As we now view the matter, it may be said that the art of spraying is in a state of transition. This transition means the breaking away from the Bordeaux mixture and the whole list of copper sprays which have been our standard fungicides for more than 25 years. It would appear, therefore, that we shall have as a substitute for the copper compounds a list of sulphur compounds which will be more general in their use, due to the fact that they may be used with impunity as a dormant as well as summer spray on all varieties of orchard fruits without fear of injury.

During the past year Mr. W. B. Waite, who has been previously mentioned, has carried on some rather interesting experiments with some new and little-known fungicides. His work was largely restricted to the spraying of apples in order to determine their use in the control of apple scab and the various leaf spots, as well as other diseases of the fruit. The new fungicides which were experimented with are the copper sulphide, which consists of self-boiled lime-sulphur, and copper sulphate, a copper sulphide mixture consisting of Bordeaux mixture and commercial lime-sulphur solution. These sprays gave some very interesting results but it cannot be said that they may be recommended fully until more work is done.

During the past two years Mr. W. H. Volek, horticultural commissioner for Santa Cruz county, California, has been carrying on some very interesting experiments with the iron sulphide spray, which is made by combining iron sulphate or copperas with commercial lime-sulphur solution. This spray has also been used in the Rogue River valley during the year 1910, and has given some very excellent results in the control of apple mildew for which purpose it was first tried by Mr. Volek.

The present status of lime-sulphur and its various combinations with other compounds is that it may well be considered the most important fungicide and insecticide known. With a more complete study of the possible compounds now known, as well as the development of others, we hope in the near future to secure what may be termed a cure-all for practically all the fungous diseases and insect pests which trouble the orchardist. Of course, there will be a few exceptions. We will find some fungous plants as well as insects which cannot be destroyed at all times by applications of these new fungicides and insecticides but they will be so largely in the minority that we can scarcely feel any alarm.

The Phoenix Rural Telephone company held a meeting Saturday night and as the result have levied a tax of \$5 on each telephone. The money obtained will be used for the maintenance of the line.

Haskins for health. Automobile Repairing. CRATER LAKE GARAGE 22 South Riverside Phone Main 4282. Home 298 K. N. H. Mark

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First class business property, improved or unimproved, at the lowest figures. Dwellings of all kinds in all parts of the city at prices ranging from \$500 to \$15,000. A good platting proposition of seven acres within city limits, on good street, \$6000. Best residence lots on West Main street; south fronts; 76x140; corner or inside lots, \$1575. Lots on paved street, with all improvements, \$650. Lots on Second street, with water and sewer, \$350. Call on us for anything in city property and you will find we have it at prices and terms that are always right.

W. T. YORK & CO. 102 West Main. Bell phone 3291. Home phone 31.

For Sale

15 acres, 3 miles from Talent, fenced, timber, alfalfa and fruit land, good house, pure water, 3 1/2 mile from school, 200 young pear trees, lovely place; \$2000, one-half down. This 15 acres is one of the loveliest small ranches in southern Oregon. Sheltered by the hills from the cold winds of winter, deep, fertile soil, an ideal place for health.

Also 24 acres, 1 mile from Talent, 12 acres of fruit, family orchard in bearing; apples, Newtowns, 12 acres, peach filled; 7 acres timber, irrigated, dwelling house shaded by large laurel trees, plenty of water; fertile soil; garden spot; pumping plant; terms, \$13,000, \$7000 each, the balance in payments of \$1000 yearly at 6 per cent.

Also 20 acres alfalfa and fruit land, with timber, 1 mile from Talent; \$6500 cash down; just think what a snap, a little over \$300 an acre. Where can you find near the depot and railroad a cheaper place? \$3225 Acre.

Town lots in the newly incorporated town of Talent, Or., on the installment plan. From \$150 to \$500 a lot. A fine four acre ranch near Talent; very fertile alfalfa and fruit soil. Well watered, all fenced and cultivated; peach orchard, young, of 160 trees here last year. Apple trees 36, Apricot 1, cherry 2, English Walnuts 2, Pear 12, Plum 5, Quince 21, Nectarine 1.

Tokay and Malaga grapes 3 year old, Strawberries 1-2 acre Raspberries and Logans for family use, chicken ranch, chicken house, new woodshed.

Wagon shed, etc., good house, spring, water piped to house, creek runs through the place. Only \$1800 cash down.

Also 17 acres, 14 acres commercial fruit bearing orchard, 2 miles from Talent; \$10,000, one-half on time.

Also 80 acres fine timber, \$2000, one-half down. \$25 Acre. A fine fertile Fruit Farm, all under cultivation; fenced; new five-room house, bath room, etc.; out-buildings, barn, etc.; level; one and one-half miles from Talent, Oregon; good well of water; young orchard of apples, mostly Newtowns and Spitz; twelve and one-half acres in peaches; two acres in peaches, etc. Trees young, from 1 to 3 years. Price \$8,750, one-half cash, balance to suit purchaser.

36 acres—\$2412 acre. Forty acres; about 3 miles from Talent and Phoenix, Ore.; fruit land; 2 good springs, 5-room house, out-buildings, small fruit, 5 acres cleared; a good poultry ranch, over \$1000 of standing timber; \$1200 down, balance on time to suit the buyer; only \$50 an acre. Look all over the county and see if you can find a place so cheap.

Also 29 acres, orchard and alfalfa land; 2 1/4 miles south of Talent, Or.; 1300 young fruit trees, apples, peaches and pears; one acre in bearing; house, barn and out-buildings; all fenced, most of it being Page wire fence, 19-strand, rabbit light; sub-irrigated and tiled; \$2225 acre; over half down, the rest on time at 7 per cent.

Also lands, alfalfa and fruit, from 20 to 800 acres. Write, enclosing stamps, or come and see me.

L. N. Judd

Talent, Oregon

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BASKET BALL, TONIGHT ALBANY HIGH SCHOOL (Champions of State.) vs. MEDFORD HIGH SCHOOL Champions Southern Oregon. For the championship of the state. Game called for 7:30 sharp. Admission 25 cents. Reserved seats 50 cents. Skating after the game.

BIG DOUBLE BILL

THE ISIS THEATRE

WM. CARTWRIGHT Comedian. THE LAUGH MAKER. Claman & Gladys Fuller Presenting the comedy sketch "The City Girl and Her Country Beau" Miss Fuller being one of the few lady ventriloquists. Introducing her two Mesdames boys, Patsy and Snowball.

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