

THE PROTECTION OF ORCHARD BY SMUDGING

By P. J. O'Gara, Scientific Assistant, Fruit-Disease Investigations, Bureau of Plant Industry.

Mr. James W. Myers makes the statement that with a total cost of about \$15 per acre he was able to save his crop of apples. He estimates that had he not smudged, at least two-thirds of this crop would have been lost. The crop in this orchard has brought as high as \$1,000 per acre, and from all appearances the same price will be equalled this year. A number of similar statements from other growers who were just as successful might be given.

It is quite possible that in many cases some of the growers fired and smudged more frequently than was really necessary. This was done early in the season before they felt confident that weather conditions could be pretty accurately predicted. At no time during the season did the writer fail to predict frost to within a degree or two of what actually occurred. The hour at which firing would be necessary was also given out. Another year, with a well-equipped station and a competent and zealous observer in charge, in whom the growers would have confidence, the cost of smudging might be considerably reduced should it be found necessary to make use of it.

Practical Suggestion on the Use of the Psychrometer and Other Meteorological Instruments.

Wherever it is found necessary to protect orchards from frost injury, each fruit grower should provide himself with the following apparatus:

(1) A psychrometer with tables for determining dew-point tempera-

tures. This instrument may be purchased from a number of reliable concerns in the United States for from \$4 to \$5.

Although it is advisable to purchase a high-grade instrument for making dew-point determinations, a very serviceable instrument may be made by the average person at a very moderate cost. Procure two fairly good thermometers of the kind with the scale marked on a strip of metal which is attached to the tube by means of small wire clamps. The bulb and scale are removable from the tin protective shield. Slide one of the thermometers with its attached scale downward so that the bulb projects below the lower end of the frame. Fix the thermometers in the frame so that they will not slide out when the instrument is whirled. This may be done by drilling small holes through the frame and scale and binding the two together with wire. The two thermometers are now fixed together back to back by soldering or by small rivets. A piece of heavy wire bent in the form of a U should be soldered to the lower end of the wet-bulb frame as a protection against accidental breakage. The projecting bulb must now be covered with thin muslin cloth. A string or leather thong about two feet long should be tied in the rings, which are soldered to the top of the instrument. This string serves as a means with which to whirl the thermometers. After using the psychrometer a few times the linen cloth should be changed.

CENTRAL POINT NEWS ITEMS

James Grieve, rural mailcarrier, while driving on his route Saturday, was overcome with heat and became unconscious. Passing friends observed his condition, took him into a farm house along the route and rendered all possible assistance. Dr. Pollnitz was called and attended the sufferer, who was brought home late in the evening and was soon revived. While it was only a case of severe sunstroke and no great danger is now anticipated, much anxiety is felt by his friends and family, who are aware of his frequent attacks of heart trouble. The patient is getting along nicely.

Saturday afternoon was our warmest time so far recorded, the thermometer reaching the extreme height of 105, but that cool breeze never deserts us.

Market reports may be of but little interest to Mail Tribune readers in the valley, but other readers will be glad to know that on July 9 Central Point dealers had the following home-grown bill of fare: Lettuce, onions, radishes, beets, turnips, cucumbers, cherries, peaches, apricots, apples, loganberries, blackberries, dewberries, summer squash, cabbage, carrots, string beans, peas, cauliflower and kohlrabi. All these fruits and vegetables are home grown and of excellent quality, showing that Rogue River valley is a land where work and water will produce all the necessities of life.

The new fire station is well under way. It is being placed on Pine and Third streets, near the city hall, and is not being constructed in strict accordance with the fire limits ordinance.

If there is a county health officer and he should inspect the Central Point jail and find that any human being had been kept over night in it, he would be almost justified in indicting the mayor and common council for manslaughter. Marshal Holmes refuses, however, to put men in the unhealthy place, which is more than a disgrace to civilization and in keeping only with the spirit of the most

GRAY-HAIRED WOMAN SENT TO PENITENTIARY

LOS ANGELES, Cal., July 9.—Mrs. Gertrude Driggs, gray-haired and feeble, under the weight of 60 years, wept quietly when Judge Davis in the criminal court sentenced her to five years in San Quentin penitentiary.

She was found guilty of falsifying a lease to a tract of valuable land belonging to the late John Charneck, a wealthy rancher of Palms.

Mrs. Driggs came to Los Angeles from Dayton, O., in 1902. In that year she appeared as a claimant for the estate of a mysterious Salem Charles, who died supposedly a pauper. Securities worth \$200,000 were found in a safety deposit box he rented at a local bank. Her claim was defeated in court.

She was arrested in 1909 following John Charneck's death after she had produced a lease and option on a parcel of his estate worth \$200,000. She was found guilty of forgery and sentenced to five years in prison. Her attorneys secured a new trial and the same verdict was again returned.

Judge Davis today denied a motion

lathesome of mossbacks.

On close inspection, there are 30,000,000 ants crawling about, and we have no doubt but graybacks, half as large as mud turtles, are serving a life sentence within its walls. Common decency should cause the council to destroy the place, and if it will not, official mandate should force them.

Sam Baxter, the village painter, has just contracted to do the interior and exterior decorations on the Griffith bungalow, on East Pine street.

Joe Gantenbein of Pendleton spent Sunday in Central Point.

Lee Carrigan, contractor and builder from Harrington, Wash., was in town for a half hour Sunday. Mr. Carrigan drove a White steamer loaded with Crater Lake sightseers. They will spend a month at the lake and in the mountains surrounding it.

Charles F. Mauer, prosecuting attorney of Converse county, Wyoming, living at Douglas, was in Central Point Sunday morning. He is accompanied by Mrs. Mauer and they will visit relatives, who will meet them at Medford next Wednesday. Judge Mauer is one of Wyoming's leading attorney-politicians.

Rev. K. H. Sickafosse called on Marshal Holmes the other night to go and arrest a man who was going to kill his wife. When the marshal arrived at the home he found the man and wife had made up. Mr. Holmes questioned the man, however, who admitted that he had cursed his wife for joining Sickafosse's church. The minister would not swear out a warrant.

Central Point's telephone system is just 20 years behind the age, being one of the first systems ever used. This is no fault, however, of the local management or operators, as both are far above the average, but it is high time that we have a central switchboard and drop that old ringing business.

CHAPPIES DISCONSOLATE OVER ETHEL'S MARRIAGE

PARIS, July 10.—Parisian "chappies" and boulevardies are disconsolate today as a result of the reported marriage of Ethel Levy, the divorced wife of George M. Cohan, to Pierre Crepin, a wealthy French horseman and a man about town. For two years the dainty American dancer and comedienne has been the toast of the stage door, "Johnnie", of the French capitol, where her American songs and dancing have been a great hit.

According to the report which has just become current today, the wedding took place in England several months ago, but was kept secret until the completion of the dancers engagement at the Columbia Music Hall.

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If for another trial, Her attorneys, it was reported, will attempt to carry the appeal for a third trial to the district court of appeals.

LOEB AS ENVOY OF FIRST CITIZEN

Makes Trip to See Taft and Speculation Is Rife—Report Out That He Is After Governorship of New York.

BEVERLY, Mass., July 11.—William Loeb, Jr., collector of the Port of New York, is visiting President Taft today. That Loeb is a special representative of Theodore Roosevelt and that he will carry a message from Taft to Roosevelt after the conference here is finished is the general belief of politicians at Beverly.

What message Loeb has carried to Taft from Theodore Roosevelt is a subject for speculation. On the message from the president to Roosevelt, which Loeb is expected to take on the return journey, there is less difference of opinion.

It is expected Taft will outline to his former chief his plans for the coming session and discuss particularly the trips the president will make and probably tour his official family will undertake.

Whether the collector has gone to Beverly to ask Taft's "O. K." to a bright, new Loeb gubernatorial boom is a matter about which speculation is rife. Loeb's friends assert he does not want the governorship and that he is not going to ask Taft to help him get it. Loeb also denies that he is a representative of Roosevelt, although admitting that he saw the former president as lately as Wednesday.

Friends of Roosevelt, and who profess to have inside knowledge of the colonel's plans, say that Loeb may not be making any plea in his own behalf, but they admit he may be asking, in behalf of his friend, Colonel Roosevelt, that the president support the colonel's friend—Loeb—for the governorship. That, they declare, may be the mysterious message from T. R.

NEGRO WORSHIPERS GROW STRENUOUS: ARE JAILED

CHICAGO, Ill., July 11.—Members of the Holy Nazarene church of the Apostolic Faith, colored, today ponder whether it is better to be less strenuous or to go to jail.

More than 100 members of the congregation were locked up last night when the police raided the church, and appeared today to answer charges of being public nuisances. A woman bishop and three ministers were among the number.

For a city of demoralized streets, Medford, torn up for paving, heads he list.

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440 acres, in Glenn county; live stream runs through the property; 100 acres of creek bottom, 75 acres now in alfalfa, 225 acres fine grain land, balance pasture land; there goes with the place 22 dairy cows, and complete dairy equipment; 4 horses and harness for same and 2 colts; wagon, racks, mowers, rakes, buggies and a world of small tools; 40 hogs and pigs, 150 tons of alfalfa hay, 25 tons of oat hay; all the furniture in the house; the home is a two-story house, in good shape; there are 4 good barns, large outbuildings; everything in first-class shape; good fences. Price is only \$20,000, worth double.

800 acres—35 acres in alfalfa, 35 acres in orchard, 200 acres more can be put in alfalfa; good buildings and barns; live stream through the property; this is an ideal stock and dairy ranch. Price is only \$15,000; terms.

1000 acres—Fine, level wheat land at \$25 per acre; this is a bargain, as the adjoining lands are selling at double; every acre has been and can be farmed.

960 acres—Good improvements, 160 acres of fine creek bottom land that could be put in alfalfa; 200 acres of summer fallow. Price is only \$25,000; will sell for double within 12 months; two live streams through this property all year.

14,000 acres—In Glenn county; this is the best big buy in the state and better than an oil well; 40,000 bags of wheat was raised on this tract every year for years; plenty of living water all year on the property; for a stock and grain ranch there is no investment in California that will pay as large a rate of interest. My price is \$14 per acre; half cash.

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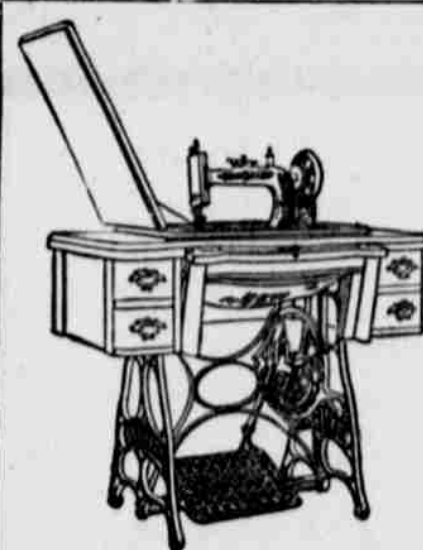
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