

1925 E 8 11 Feb '21

THE BOARDMAN MIRROR

VOLUME III.

BOARDMAN, MORROW COUNTY, OREGON, FRIDAY, FEBRUARY 8, 1924.

NUMBER 51

OIL TO COMBAT SCALE

Some of the commercial fruit districts of Washington, Arkansas, and Missouri have, in the past few years, experienced the same discouraging results with the use of lime-sulfur for combating San Jose scale as has been the experience of the past season here in the Walla Walla Valley. Investigators at the Washington Experiment Station are of the opinion that the abundance of scale in that district—the Clarkston area—is probably largely due to a natural vigor possessed by the scale as evidenced by its positive tolerance to lime-sulfur. Judging from the careful manner in which some of our infested orchards were sprayed last spring, we can readily believe that the findings of the Washington Station apply equally as well to the Walla Walla Valley as to the Clarkston area only a short distance to the north of us. Whether or not this condition will be repeated this spring remains to be seen, but such has been the experience of the Growers of the Ozark regions for the past three years. In our district we might do well to profit by their experience.

During the summer of 1921 entire orchards were wiped out by ravages of the scale in Arkansas. The U.S. Bureau of Entomology came to the rescue with the introduction of oil emulsions used in the orange districts of Florida for citrus scale. Careful checks of results showed nearly one hundred per cent control of scale with the oil as compared with only eighty per cent control using lime-sulfur. There was some doubt at that time as to the safety of using oil on the trees year after year but reports as late as September of the past year agree as to its success.

Repeated use each year on citrus trees in Florida has shown no ill effects on the bark. Whether or not it will prove equally as safe on apple, prune, peach, or cherry trees year in and year out can not yet be determined.

Observation have shown that the engine-oil emulsions used in these experiments are too strong for the leaves of the stone fruits such as prunes, peaches, apricots, and cherries but are harmless to the leaves of the apple excepting on very hot days—over 90 degrees temperature.

Thus it has been found that, although their use on the stone fruits must be confined to the dormant season of the tree, they may be used in the "delayed dormant" season on the apple trees—the period just following the dormant season and in which the buds are unfolding, exposing the young leaves. Apple or pear trees, then can be freed from the scale, leaf roller, aphid, and spider-mite all in one spray by waiting until the delayed dormant period, and in the summer can be sprayed with the same material for scale, aphid, and spider-mite provided the work is done in the heat of the day at times of extreme weather.

Certain grades of lubricating oils, emulsified with a solution of a casein spreader in water, compose the only ingredients of the stock solution. This solution will not corrode the parts of the spray rig, does not irritate the skin as does the lime-sulfur can be used with alkali water without gumming or forming a sludge in the spray tank, the oil will not separate and come to the surface when used in a tank which has also contained lime-sulfur, spreads out evenly on the bark of the tree, and can be made by the grower at approximately one-third the cost of commercial lime sulfur.

Directions for preparing these lubricating-oil emulsions may be obtained from the County Horticultural Inspector at Milton. In time for the dormant spray on the stone fruits in March a considerable quantity will be made and put out at cost to any who wish to give it a trial. This will be continued throughout the season as long as there is a demand for it. Arrangements will be made for its distribution at that time on the Umatilla Project also.

Meeting at Irrigon

A number of club people from Umatilla went to Irrigon last Saturday night to a joint meeting of the clubs. An interesting meeting was held and the need of a new bridge across the Umatilla river, and the ways and means to get it were fully discussed. An address was made by Mr. Perley, fuel expert for the O-W. R. & N. Co., in which he told of the needs of the railroad and of the farmer. Samuel H. Boardman of Boardman also was present and told of his efforts to have trees planted along the state highways. The highway commission is acting with him in this matter and has furnished 2000 trees to be planted at once.

After the regular business meeting a lunch was served and a pleasant social hour followed, then dancing until a late hour. Those from Umatilla were Mr. and Mrs. Roy Paul, Mr. and Mrs. B. S. Hughes, Mr. and Mrs. W. R. Nugent, Mr. and Mrs. W. P. Llewellyn, Mrs. C. C. Peck, Mr. and Mrs. Carl Brownell, D. R. Brownell, E. C. Brownell. Art Hammond was present with the railroad officials, Mr. Perley, fuel expert, and Walter Guilds, assistant superintendent.

Noted Army Chaplain Pleads for Babies

Rev. Dr. John W. Beard, pastor of the Mount Tabor Presbyterian church, Portland, chaplain of Portland post of the American Legion and chaplain of one of the companies of the famous 91st Division overseas, is a strong champion of the campaign to save German children from starvation and never loses an opportunity to say something for that cause.

"We fought and conquered the German militarists," said the noted chaplain, "but as Major-General Henry T. Allen, commander of the American troops on the Rhine during the occupation, said, 'We never fought children.' We helped win the war as such, but, as when we were fighting the enemy, we bound up his wounds if captured, we now shall bind up the terrible wounds inflicted by war's awful fury against these little ones who suffer so. Let's help feed them, by all means."

Air in Rooms Usually Is Too Dry for Health

Most authorities agree that the factors that distinguish good from bad air are proper temperature, proper humidity and adequate movement. The temperature of rooms for health is about 72 degrees Fahrenheit. Most Americans like the temperature much higher and complain of feeling chilly when it is at this level.

Why? The principal reason is that the air is too dry. Dry air means that excessive evaporation of moisture takes place from the skin, mouth and nose, and this evaporation takes heat away from the body. The worst combinations between temperature and humidity are cold damp air, warm moist air and excessively dry air artificially warmed.

The comfort zone lies between 65 and 70 degrees Fahrenheit, with a humidity between 30 and 55 per cent. The average indoor room in winter has a humidity between 15 and 22 per cent, and to offset the great loss of body heat which this causes the temperature is kept far too high.—Hygiene.

One of Jock's Tricks

Late one night Jock, returning home from work, found a young owl which had fallen from its nest. He picked up the injured bird, carried it home, fed it, and at last placed it in a cozy corner of the kitchen fireplace.

In the early morning Jock's mother came down into the kitchen to get breakfast ready for the family, and was startled by the strange object. But she soon recovered from her alarm, for she was accustomed to the many tricks of young Jock.

"That's our Jock at his pranks again!" she smiled. "He's gone and put a beak on the kitten."

When a firm, decisive spirit is recognized it is curious to see how the space clears around a man and leaves him room and freedom.—John Foster

ANYONE WANTING TO TRADE irrigated lands for Kiletat county, Washington, timber lands kindly write to H. M. Cox, Arlington, Oregon, describing the property offered.

ANY GIRL in trouble may communicate with Ensign Lee of the Salvation Army at the White Shield Home, 565 Mayfair Ave., Portland.

WANTED—Fresh eggs and chickens. French Cafe, Pendleton. au31tf

COMMUNITY CHURCH SERVICE Every Sunday

Sunday School 10:30 a. m.
Church Service 11:30 a. m.
Christian Endeavor 7:30 p. m.

All are welcome.
REV. B. S. HUGHES, Pastor.

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Civil War Artillery Man Meets His Target

In wars soldiers aim to get the enemy. But when a war is over a soldier is glad his shot missed the target as he comes face to face with an enemy he missed.

C. Stuart Patterson, the veteran lawyer and bank president, told friends a few days ago of a personal experience of that kind.

Mr. Patterson was a member of that Philadelphia battery which embraced so many men, who afterward became distinguished, including besides himself John G. Johnson and "Hans Boettmann," celebrated humorist, says Girard in the Philadelphia Inquirer.

In the Gettysburg campaign, Mr. Patterson's battery was sent to Carlisle. The guns were posted in the center of the town where now runs the railroad.

Gen. "Baldy" Smith, in civilian dress, was on the job and strolled out to reconnoiter the position of the Confederate advance.

Returning to the town he walked up to the Philadelphia artillerymen and said: "There is the enemy, half a mile in that direction. You may begin firing."

It was in that engagement Mr. Patterson was wounded.

Years afterward he met Gen. Fitzhugh Lee, who said:

"Had you aimed your shots a few feet to the left of where they first fell you would have killed Gen. 'Jeb' Stuart and myself. We had a close call."

"That is one time," replied Mr. Patterson, "I am glad I completely missed the mark."

HIGH SCHOOLS ASKED TO SEND REPRESENTATIVES TO CONTEST

The high school has been asked to send a representative to the public speaking contest which will be one feature of the educational exposition February 22 and 23 at Corvallis. The O.A.C. chamber of commerce is conducting this contest. Chambers of commerce in all parts of the state are planning to arrange for special booths to show the community industry. Arrangements to entertain 400 high school students at the exposition have been made by the housing committee.

An educational guidance conference for high school representatives will be held. Thomas A. Clark, dean of men at the University of Illinois, and Dr. Glenedine Snow of Michigan Normal school, will be the principal speakers. Each high school in the state has been invited to send five delegates and one faculty advisor to the exposition and the educational conference.

Each Oregon town entering a booth in the exposition will be allowed one of the smaller rooms in the commerce building or one-half of one of the larger rooms for its display. Many chambers of commerce have signified their intention of sending displays. Milking contests and guessing contests are among the special features planned by the school of agriculture. A milking contest between A. B. Cordley, dean of agriculture, and department heads is creating much interest.

IRRIGON AND UMATILLA DELEGATION GO AFTER NEW BRIDGE

With a delegation from Irrigon and Umatilla of such large proportions that the county commissioners met the bridge caravan in the circuit court room Tuesday and listened attentively to the plea for the new bridge across the Umatilla river at Umatilla.

The commissioners lent a very sympathetic ear to the plea of the delegation and there was not the slightest note of opposition to the construction of the palpably needed bridge across the Umatilla river.

However, the county hasn't the money for the work, nor can the funds be raised right now.

The commissioners promised to try to get the state to advance the cost of a new bridge and let the county repay its half as soon as it could, and with the favorable attitude already manifested by the state commission, we have every reason to feel that this proposition will be accepted.

The estimated cost of the bridge is \$60,000 for one level with the highway and \$40,000 for one high enough to be safe from the back waters of the Columbia but not up to the grade of the highway.

The need of a new bridge is not gainsaid and with both the state highway commission and the county court in favor of it, everything points to an early solution of the difficulties in the way of financing the construction.

Everyone who attended the meeting is buoyed up with hope of the ultimate and not far remote action on this important link but at present eyesore of the highway.

SAVE GERMAN CHILDREN

Strong Oregon Committee Works For Relief Fund.

For the purpose of raising \$100,000 in Oregon as a part of a fund of \$10,000,000 from the United States to save 2,000,000 little children in Germany who are facing starvation because of the terrible conditions there, a strong committee has been named in Portland to look generally after this work throughout the state and particularly in that city. In the other larger cities of the state committees will be named to take charge of the relief work. Portland is state headquarters, with offices in room 715 Corbett building, where H. L. Eddy is in charge as director.

Robert H. Strong, of the firm of Strong & MacNaughton, is state chairman. He had charge of the Hoover food relief campaign in Oregon in 1921, when that campaign was put on to relieve distress in Europe. The committee which has sponsored the relief work in Oregon consists of men prominent in various lines of business, as follows:

Charles F. Adams, of the First National bank; J. C. Ainsworth, president of the United States National bank; W. B. Ayer, president Eastern & Western Lumber company; George L. Baker, mayor of Portland; Fred L. Bolt, editor Portland News; Rev. Harold Leonard Bowman, pastor First Presbyterian church; Colonel H. C. Cabell; Edward Cockingham, president Ladd & Tilton bank; Otto Hartwig, president State Federation of Labor; I. Lovengart; Edgar B. Piper, editor of the Oregonian; Bishop W. O. Shepard, Methodist Episcopal church; Eva Selling, philanthropist; Amos M. Smith, president of the board of directors of the Portland community chest; Rabbi Jonah B. Wise, of Temple Beth Israel; J. E. Wheeler, publisher Portland Telegram.

Executive committee: Arthur M. Churchill; Marshall N. Dana, associate editor Oregon Journal; S. L. Eddy, Ladd & Tilton bank, treasurer for the state committee; Kurt H. Koehler, E. C. Sammons and Mr. Strong.

Every cent of the money subscribed for this fund will actually go to buy food.

Oregon people are asked this year to express their holiday and New Year spirit by giving something to relieve the suffering of more than two million starving German children. With unemployment common, the mark currency valueless, government disorganized, business at a standstill, a winter of famine, disease and terror confronts the German people. The scourge is falling heaviest on the children; the children with whom we have had no quarrel; the children who could not be blamed for any wrong.

Egyptian Stamps in Arabic Only.

A new issue of stamps is in circulation in Egypt, but these stamps only show their value in Arabic characters. This is a great inconvenience to many people. Three-quarters of the foreigners in Egypt do not know how to read Arabic and thousands of tourists who come to decipher Arabic characters yearly visit Egypt. Perhaps it will be urged that Egypt, like other countries, should have its stamps printed only in the national language, but the cosmopolitan character of the Egyptian population seems to give good reason for departing, in this particular, from the practice of other nations.—Christian Science Monitor.

INCOME TAX IN NUTSHELL

WHO? Single persons who had net income of \$1,000 or more or gross income of \$5,000 or more, and married couples who had net income of \$2,000 or more or gross income of \$5,000 or more must file returns.

WHEN? The filing period is from January 1 to March 15, 1924.

WHERE? Collector of internal revenue for the district in which the person lives or has his principal place of business.

HOW? Instructions on Form 1040A and Form 1040; also the law and regulations.

WHAT? Four per cent normal tax on the first \$4,000 of net income in excess of the personal exemption and credits for dependents. Eight per cent normal tax on balance of net income. Surtax from 1 per cent to 50 per cent on net incomes over \$5,000 for the year 1923.

Wanted the Rest of It

The householder, answering a knock at the door, discovered a poor Jew who the previous day had begged a waifstout from him.

"Does the kind gentlemen remember," said the Jew, "that he gave me a waifstout yesterday? Well, I found a five-pound note in my pocket."

"Upon my word," said the householder, "you are an honest man. Come inside, sir."

While the Jew was enjoying the glass of wine and cigar immediately found for him, the householder said "Of course, you have brought the waifstout back?"

"No," replied the Jew, "I had come to beg for my coat and trousers."

Old Helicopter Model

A model of a helicopter from plans drawn 80 years ago by Sir George Cayley was constructed recently by Paul Gerber, custodian of airplane models in the National museum at Washington. The design, although conceived years before an airplane flew, is strikingly similar to those of recent helicopters, and aeronautical engineers assert that with a few modifications based on modern aircraft principles a large machine constructed on the original plans undoubtedly would fly.—Popular Science Monthly.

Needing Heat!

A business man entertained a house party the other week. As he came from his dressing room one night during the party he overheard his butler saying in a fierce whisper down the hall:

"For de land's sake, cook, hurry up de soup. De ladies is all stripped for dinner."—Boston Globe.

Out of the Question.

The three children came and stood in a row in front of their mother. "Mamma," they asked, "what would you like for your birthday?"

"My dears, mamma wants nothing for her birthday but three good children. She would like that."

"But then, mamma," cried the eldest, "we'd be six."

What we can do for another is the test of powers; What we can suffer for is the test of love. —Bishop Westcott.

NOTICE FOR PUBLICATION.

Department of the Interior, U.S. Land Office at The Dalles, Oregon, Jan. 16, 1924.

NOTICE is hereby given that Nicholas Faler, of Boardman, Ore., who on Feb. 24, 1919, made Homestead Entry, No. 020413, for S½SE¼, being Unit "C," Umatilla Project, Section 8, Township 4 North, Range 25 East, Willamette Meridian, has filed notice of intention to make three year Proof, to establish claim to the land above described, before C. G. Blayden, United States Commissioner, at Boardman, Oregon, on the 23rd day of February, 1924.

Claimant names as witnesses: Paul M. Smith, Jesse O. Lower, H. C. Harrison, I. Skoubo, all of Boardman, Oregon.
J. W. DONNELLY, Register.

NOTICE FOR PUBLICATION.

Department of the Interior, U. S. Land Office at The Dalles, Oregon.

NOTICE is hereby given that Ellen M. Parlow, of Boardman, Oregon, who, on Oct. 27, 1919, made Homestead Entry, No. 021080, for E½SW¼NW¼, E½NW¼SW¼, being Unit "C," Umatilla Project, Section 20, Township 4 North, Range 25 East, Willamette Meridian, has filed notice of intention to make three year Proof, to establish claim to the land above described, before C. G. Blayden, United States Commissioner, at Boardman, Oregon, on the 18th day of March, 1924.

Claimant names as witnesses: W. A. Irics, Ben Atteberry, Edd Conze, Calvin Erwin, all of Boardman, Ore.
J. W. DONNELLY, Register.

First Leviathan Was Failure

The first attempt to provide transatlantic travelers with a vessel that, in size and magnificence, would be a floating hotel, was made in the building of the Great Eastern. The launching of this huge ship, for some time called the Leviathan, was commenced November 2, 1857, but owing to the difficulty of moving the enormous weight, the vessel was not finally afloat until early in 1858.

The secret of managing so large a liner had not yet been learned, and the Great Eastern was from the first a white elephant to her owners. Her only real service was in the laying of Atlantic cables. She made her last voyage 35 years ago, and was then disposed of as junk. The pioneer Leviathan had a length of 692 feet and a tonnage of 27,000.—Detroit News.

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