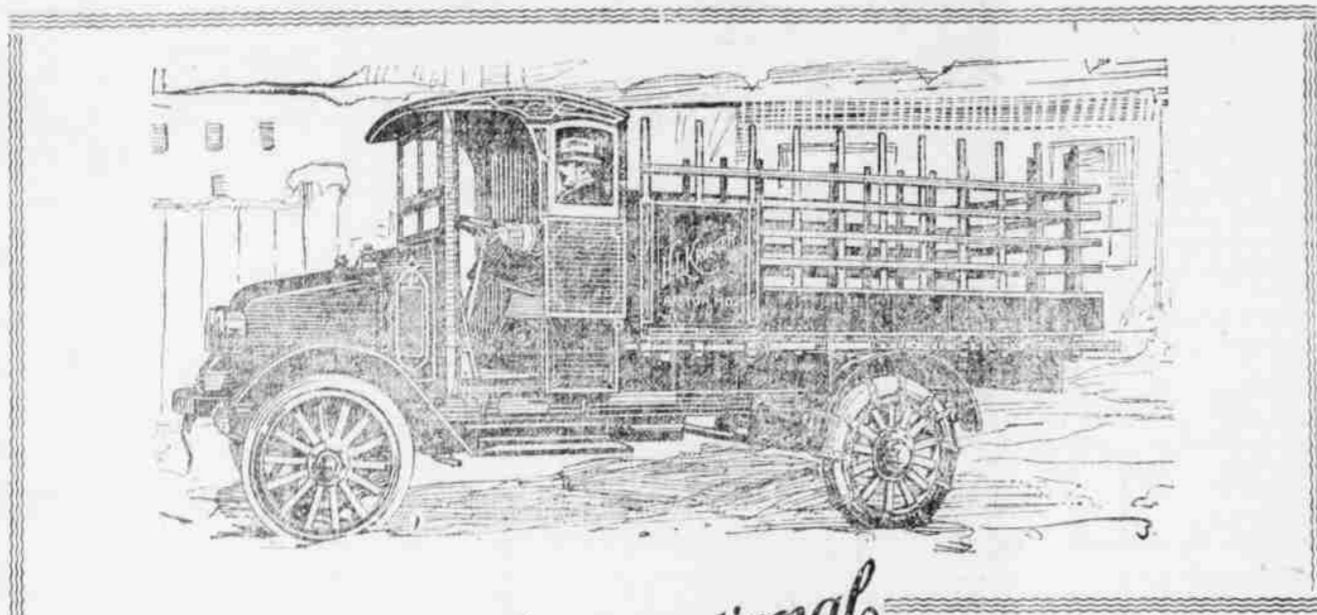


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HEPPNER OREGON

COMBINATION SPRAY POSSIBLE

A way for growers to combine lead arsenate with lime-sulfur spray has been developed by R. H. Robinson of the O. A. C. experiment station. Some way has long been sought by Oregon growers because the cost of putting on one combined spray is only half as much as putting on separate sprays for insects and fungous diseases. Several chemical reactions have always spoiled their spray by weakening the killing strength and by causing solution around that

burned the plants. Mr. Robinson has found that the addition of about five pounds of slaked lime to each 100 gallons of lime-sulfur spray before the lead arsenate is added will prevent most of these changes. It is important that the slaked lime be added before the lead arsenate, and thoroughly mixed.

TREAT POTATO SEED DORMANT

Potato seed is best treated when dormant—unsprouted—and not less than 15 days before planting, says

M. B. McKay, specialist of the O. A. C. plant pathology department. Dissolve 4 ounces corrosive sublimate in a little hot water in glass jar, and dilute with 30 gallons of water. If the seed has small amount of scab or rhizoctonia select the best and soak in solution, in wood or cement container, about 1 1/2 hours. If badly diseased, 22 hours. If seed has started to sprout and has blue little scab or rhizoctonia, soak 20 minutes. If badly diseased and sprouted do not use for seed at all. The potatoes should be dried and resacked in disinfected sacks. Great care is urged in the use of corrosive sublimate as it is a deadly poison. No child or animal should have access to it. Treated potatoes are not fit for food.

OREGON FLAG LAW

Section 2091, United States Flag, Desecration of, Prohibited.—Any person who in any manner, for exhibition or display, shall place or cause to be placed any words, or figures, or numbers, or marks, or inscription, or pictures, or designs, or device, or symbol, or token, or notice, or drawing, or any advertisement, of any nature whatever upon any flag, standard, or ensign of the United States, or shall expose, or cause to be exposed to public view any such flag, standard, color or ensign of the United States, upon which shall be printed, painted, or otherwise placed, or to which shall be attached, appended, affixed, or annexed, any words or figures, or numbers, or marks, or inscriptions, or pictures or designs, or device, or symbol, or token, or notice, or drawing, or any

advertisement, of any nature or kind whatever, or who shall expose to public view, or shall manufacture or sell, or expose for sale, or have in possession for sale, or for use, any article or thing, or substance, being an article for merchandise, or a receptacle of merchandise, upon which shall have been printed, painted, or attached, or otherwise placed, a representation of any such flag, standard, color, or ensign of the United States, to advertise, or call attention to, or to decorate, or to ornament, or to mark, or to distinguish the article or thing on which so placed, or shall publicly mutilate, trample upon, or publicly deface, or defile, or defile, or cast contempt, either by words or act, upon any such flag, standard, color, or ensign of the United States shall be deemed guilty of a misdemeanor, and subject to a fine of not less than twenty dollars (\$20.00) nor more than one hundred dollars, (\$100.00). (L. 1901, page 256, Section 1, Oregon Laws.)

Imports of Precious Stones.

The value of the precious stones imported into the United States in the fiscal year that ended recently was greater than it had been in any previous year. Pearls are growing more popular, but because the war interfered with the fisheries they have become so scarce that dealers cannot supply the demand. The South Africa diamond producers are taking advantage of the favorable market to unload the diamonds that they have been accumulating during the war. According to the National City bank of New York half the diamonds in the world are already owned in the United States.—Youth's Companion.

PROLONGING LIFE OF TREES

Filling Cavities With Cement Ends the Spread of Decay, and is a Simple Operation.

Filling the cavities of trees with cement to prolong their lives is being commonly and successfully practiced. It is not only worth while in preserving fruit trees, but is also the means of saving valuable shade trees. Trees with cavities several inches deep are often cut down when, by using a little cement and sand, they could be kept alive for ten or fifteen years longer.

Of course, the cavities are small at first, but continue to get larger. They favor decay, weakening the tree.

With a knife or a chisel remove all of the decayed wood. Trim the edges of the wound smoothly with a sharp knife. Then a coat of paint or shellac should be given the outer edge of the wound. Successful growers recommend the use of creosote and coal tar to disinfect the inside of the cavity after it has been thoroughly cleaned out. This may be applied with a brush.

The cement may then be put in immediately. A good mixture may be made of one part cement to two parts of clean sand.

After the cement and sand have been stirred a few minutes add enough water to make the mixture into a thick paste. Begin filling the cavity



Putting a new heart into a tree. Cement has been substituted for the "heart" and most of the body.

from the bottom and tamp the material thoroughly. The work may be done on a warm day, and cement must be protected from freezing at least forty-eight hours. Remember that warmth and moisture are essential for the uniform and rapid hardening of concrete.

Japan Taking Western Sports.

Japan is offering somewhat of a market for American sporting goods at the present. Since the end of the war there has been an increased interest in sports, and it may be said of Japan that western games played there are essentially scholastic in nature, baseball being the most popular, with tennis second. The latter-named sport has now found favor outside of student circles, and tennis courts are scattered here and there throughout the larger cities.

Demand for House-Cat Fur.

In a report on the London fur market prepared by Alfred Nutting, clerk in the American consulate general in London, a comparison of the total number of skins sold by C. M. Lampson & Co. at public auction in 1918 and 1919 shows that the number of house-cat skins sold during the current year was 35,334, or almost double the quantity sold in 1918. The price of house-cat fur had advanced 50 per cent since spring.

WEALTH FLOWING INTO CUBA

Crops of Cotton and Sugar Will Net People of Island Some \$2,000,000,000.

Cuba's coming sugar crop is expected to yield about 4,000,000 tons—a record output. At prices which the planters are counting upon receiving for their sugar this will mean a payment to them of from about \$750,000,000 to \$900,000,000. Bear in mind that this is for one crop raised on an island of only 45,393 square miles and with a population of about 2,500,000.

In the cotton-growing sections of the South there are approximately about 25,000,000 people. The center of interest in Cuba is sugar, in about the same degree that cotton concentrates the interest of the South. When the cotton crop first reached the value of \$2,000,000,000 a year, the world held up its hands in amazement, and yet this \$2,000,000,000 is distributed directly or indirectly among 25,000,000 people. In Cuba more than a third of that amount will be distributed directly or indirectly among 2,500,000 people. Every dollar of this vast sum is paid into Cuba from other countries. It is as though the entire world production of gold for two years and more were dumped into Cuba, as measured by the world's production of gold and the Cuban sugar crop value.—Manufacturers' Record.

NO CHANGE IN HUMAN BONES

Construction of Shoulder Blades Today the Same as Those of Sixty Centuries Ago.

There has been no discernible change in the shoulder blade of man in the last 6,000 years, according to Dr. William W. Graves of St. Louis, who spoke before the meeting of the American Association for the Advancement of Science.

Shoulder blades of Egyptian mummies, 6,000 years old, and those of Illinois river Indians, believed to be about the same age, are the same as those of the present-day men, according to Doctor Graves.

In July and August of last year Doctor Graves measured 1,500 shoulder blades of men and animals, endeavoring to classify the differences in them. The vertebral borders, with which he was particularly concerned, are the same in humans as in gorillas, chimpanzees and also in lower monkeys.

Concerning the skeletons of Illinois river Indians, which he said appear to be between 4,000 and 6,000 years old, he was asked if he considered that proof that this continent was inhabited then by humans whose physical type was as high as that of the Egyptians of that day. He said that he could not draw such a conclusion, although the shoulder blades are of the same type.

Fairy Baskets.

Fairy baskets are made of large hazel nuts, filberts or peach pits. Filberts must be soaked in hot water for several hours; hazel nuts and peach pits may be used green. With a sharp, fine pointed penknife bore through the filbert or hazel nut on each side in the light colored upper third, cut away the shell carefully around the hole so as to leave a handle between the incisions, dig out the meat that is inside, then cut very tiny notches in the lower edge. If you use peach pits trim off the sharp point, then bore and cut out the shell and trim the stalk end smooth.

Those baskets are a never failing pleasure to both children and grown-ups. One use to which you can put the fairy baskets is loop a dozen or more upon a strand of silk floss, fill each one with earth and supply it with a single fine grass seed, then hang them in a sunny window and keep moist.

This IS a Bargain

480 ACRE WHEAT RANCH NORTH OF LEXINGTON INCLUDING CROP AND MACHINERY, PLENTY OF WATER, 220 ACRES SUMMER FALLOW; 40 ACRES WITH WATER RIGHT. PRICE INCLUDING STOCK AND MACHINERY \$25.00 PER ACRE.

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