

FLAX, CHERRIES AND LIMING ARE BULLETIN TOPICS

Two popular agricultural bulletins and one of a technical nature have been issued by the Oregon Experiment station and are ready for distribution to residents of Oregon who request them.

"Flax in Oregon," by G. R. Hyslop, is the subject of station circular No. 61. "Preliminary Studies Relating to the Harvesting and Processing of Sweet Cherries," is treated in station circular No. 61 by H. Hartman, associate horticulturist. "A Study of the Biological Activities of Certain Acid Soils" is contained in station bulletin No. 211 by William Halverson, associate bacteriologist.

In the flax bulletin Professor Hyslop describes the soil and climatic requirements for this crop and gives the portions of the state suited to its growth. The culture is discussed in detail, methods and cost of harvesting are given, and average returns under varying conditions are mentioned. The bulletin is in reality a hand book for the prospective flax grower in this state, containing information gathered through many years of experimentation and observation.

Time of harvesting sweet cherries for maximum returns to the grower and the processor has been a moot question for years, but the work done by Professor Hartman recorded in the new bulletin is the first attempt to settle anywhere to obtain scientific data capable of being translated into farm practices. The author finds in preliminary studies that in general such loss is sustained by producers who harvest through picking cherries before full maturity is reached.

Effects of liming on bacterial and other biological activities in many Oregon soils has been determined by Professor Halverson and recorded in his new bulletin. Information gathered forms a basis of action looking to the determination of the extent of profitable use of lime in Oregon.

Farm Reminders

For poisoning the Douglas ground squirrel—the common ground squirrel is the best season, say experiment station authorities. During the months of May and June when the males and young are above ground they are readily exterminated. The squirrels are killed most effectively by means of poison grain. The grain is scattered along the squirrel trails and about the holes. Properly scattered poison does not endanger livestock, as the animals do not pick up enough to harm them.

The common lambertia on which the grain sown is dependent during the winter months in Oregon, is best destroyed in the spring and summer when the leaves are easily recognized. The experiment station specialists advise growers to cut completely out of the ground, with care that no pieces of roots are overlooked. If pieces are left in the ground young sprouts may grow from them.

Vegetable gardeners in western Oregon can find nitrate of soda as a soil dressing on spinach if broadcast between rains, according to A. G. Houston, professor of vegetable gardening at the college. It should not be applied, however, when the plants are wet. Superphosphate may be used with the nitrate of soda to make it easier to apply. The rate of application is 200 pounds of each an acre.

"Eat vegetables for vitamins," is the slogan on the attractive package which recently issued by the Market Grower's Journal, national vegetable publication. The labels are in colors, with a basket of vegetables in the center, and space for the grower's name and advertisement. They are sent by five inches in size and gummed for sticking to packages. The Market Grower's Journal offers them at the rate of \$8.50 a 1000, and will be glad to submit samples to any vegetable grower who desires them to advertise his products.

A few hogs will go a long way toward paying the bills on any farm, but too many will eat up all the profits. Base the number of hogs to a kept on the amount of waste available for hog feed, says the Oregon Experiment station.

Workers on Farm Wanted, is Report

WASHINGTON, June 6.—A big demand for farm laborers has been reported to Washington this year from agricultural centers throughout the country.

Especially in south, more workers than usual will be needed to harvest the cotton crop. Favorable conditions in Texas alone, say government officials, will require nearly 300,000 workers from outside the state.

More than 400,000 men will be needed altogether. Decrease in Mexican immigration, due to requirement of a higher admission fee, is a big factor.

The government expects to recruit help from among idle coal miners.

INSURE WITH HEARY TROMP

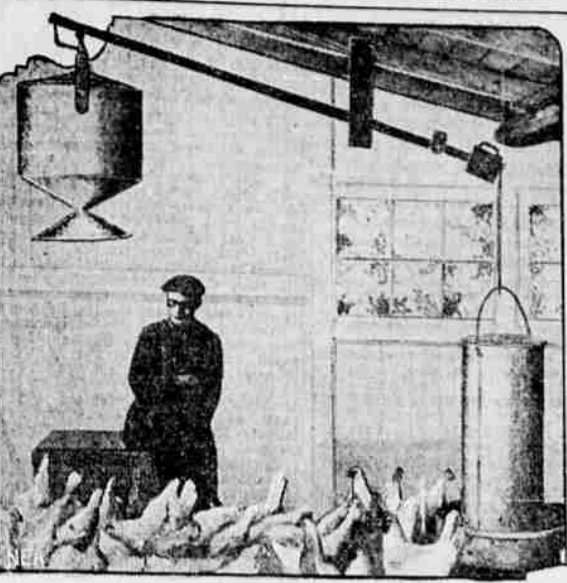
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Hens Regulate Own Feed With Hopper



Childs Partlow and his automatic feeder

(By NEA Service)
ROCK HILL, S. C., June 6.—Poultry in this district are regulating their own ratio of mash and grain through the use of a veteran's invention.

Childs Partlow is the veteran. His invention is an automatic feed regulator which each day provides a balanced ration for a flock.

The feeder, Partlow reports, makes hens lay more eggs and enables one man to feed 10,000 hens more easily than could 500 by the old method.

All it consists of is a simple balanced bar with a hopper of scratch feed on one end, and one of mash on the other. After supplying a certain amount of mash, the automatic feeder changes the ration to the scratch feed. The amount of grain is directly regulated to the amount of mash eaten by the hops.

FARMERS ADOPT MODERN METHODS

WASHINGTON, June 6.—American farmers are gradually adopting modern methods. They are electrifying their farms.

Out of the 6,500,000 farms in this country, government census figures show, only 400,000, or less than 8 per cent, are equipped for the use of electricity.

But the farmers are taking to modern methods of lighting and power, the Department of Agriculture adds. The demand for electric service is becoming more and more insistent.

Whole communities are calling for the use of electricity in their homes and on their farms.

In Ohio, a statewide movement has begun to electrify its farms. A survey is being made of the extent of electrification on Ohio farms, and from this it is expected to devise some means of putting the majority of farms in the state on an electrical basis.

Out of Ohio's 250,000 farms, 83,000, or 33 per cent, use electricity. The percentages vary from 1.8 per cent in two counties to 35 and 36 per cent in two other counties.

Only about 7 per cent of the farms in the entire country have electric light or even gas, government figures show. And less than 3 per cent get electricity from a central service station.

This low percentage is the average of a widely divergent use of electricity on farms. In California, for instance, more than 27 per cent of the farms get electricity from central stations, while Georgia shows a similar rate of only 1-20th of 1 per cent.

Yet the demand for rural electrical service is growing steadily. Power utilized on farms is increasing annually at the rate of one-quarter horsepower for each farm in the country.

Farmers' cooperatives are helping in the distribution of electric light and power by the purchase of electricity as groups and distributing it among their members.

With these organizations working for better application of power on the farms, and with other means of developing the use of rural electricity, government officials believe that by next 10 years may see half of the farms of the country electrified.

D. D. Hill Will get Degree From O.A.C.

OREGON AGRICULTURAL COLLEGE, June 6.—Donald D. Hill, who was graduated from the Eugene high school in June, 1911, is now a candidate for the degree of bachelor of science in agriculture. He is the son of Mrs. E. E. Terpening of Eugene.

This training has prepared him to carry on practical farming, extension work, or teaching. He intends to continue work in plant breeding and will go to the Kansas Agricultural college after graduation.

He is a member of the Agricultural club and Farm Groups club, and of Alpha Zeta, Phi Kappa Phi, and Kappa Phi Delta fraternities. He was president of the Agricultural club 1924-25, and president of the Farm Groups club in 1924.

He was on the board of governors of the Student Memorial Union. Last fall he went to the Pacific International exposition at Portland as a member of the O. A. C. seed judging team. He has an exceptionally high grade average during his four years at O. A. C.

CLEAN OUT CORN APHIS

Eggs of the corn root aphid, one of the serious corn pests, are beginning to hatch. Plowing and discing infested fields can clean out the insects.

REALTY MARKET IS SHOWING INCREASE

The quantitative index of real estate market actively computed monthly by the National Association of Real Estate Boards reached a new high point in April. The index, calculated from official records of actual number of transfers and conveyances recorded in 41 typical cities, measured eight points higher for the month just past than for the preceding month and 17 points higher than for April of last year.

The April index figure, best ascertained, reached 170, the highest point recorded for the year. This means that the actual number of real estate transfers and conveyances in the cities reporting was 76 per cent higher, during the month just past than the average number of such transfers and conveyances recorded in the same cities during April in the period 1918-1923, which period is taken as the base of the association's reckoning. The figures for the current March was 168. For January it was 171, and for February, 173.

The total number of real estate instruments recorded in April exceeded the number recorded in March by 11,833 in the 41 cities reporting.

The upward tendency shown in the real estate market is quite in line with reports of an upward trend in building. Reports of building plans filed and of permits issued in 305 cities and towns compiled by S. W. Straus & Co., for example, show a gain of 82 per cent as compared with April of a year ago.

The April volume of building contracts as reported to the F. W. Dodge corporation is announced as the largest monthly total on record. Contracts awarded in the 36 Eastern states showed an increase of 14 per cent over March and of 13 per cent over April of last year.

The index of real estate market activity shows an action similar also to that of the index of automobile production, which has been high for April.

The month just recorded is the first April since 1921 to show a gain in real estate market activity over March, although April of last year showed an index figure only one point lower than the March peak.

ZINC ROOFING COST OF BUILDINGS LOW

Zinc is a permanent roofing material; that is, when suited to the conditions, and properly applied to a roof designed with the right building, spacing it will outlast the building and still have a salvage value equal to at least half the original material cost.

It is applicable to a wide range of conditions, from the most expensive to the cheapest type of construction, and is not greatly above the cheaper materials in first cost. A permanent roof of simple outline need not cost over \$15 to \$25 per square (100 square feet) depending upon the method of construction required, a corrugated sheet roof for industrial purposes or for farm use need not cost over \$15 per square for ordinary conditions.

Corrugated zinc sheets have the distinct advantage of being available for re-use and re-construction if handled with ordinary care. Zinc oxidizes to a certain point, building up a strong protective coating which in time effectively checks further oxidation; thus it does not oxidize to the point of destruction as steel does. It is light and easily handled.

Zinc shingles are nailed with zinc nails. Since there are no soldered joints, no provision is necessary for expansion outside of the decked joint and the amount of movement allowed by the ribs. They are a little difficult to put on but, once properly put on, they stay in place and give complete satisfaction as to service.

Shingles of this type, that is, large locked shingles, are all made with a raised pattern which has a two-fold purpose—it stiffens the shingle, thus preventing warping, and it allows for expansion and contraction of the metal, no other provision being made for expansion. Some of these patterns are ugly and prove a decided barrier to the general acceptance of zinc shingles for residential roofs.

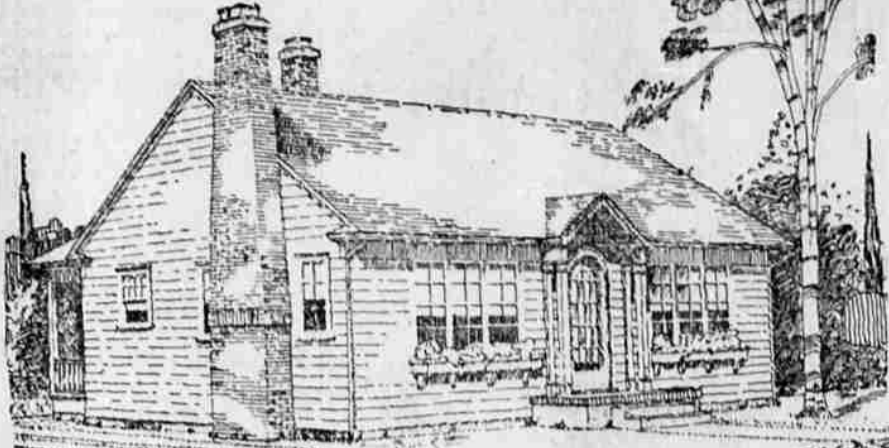
FEWER DRAFT ANIMALS
Government surveys show that there were 6,500,000 fewer horses and mules

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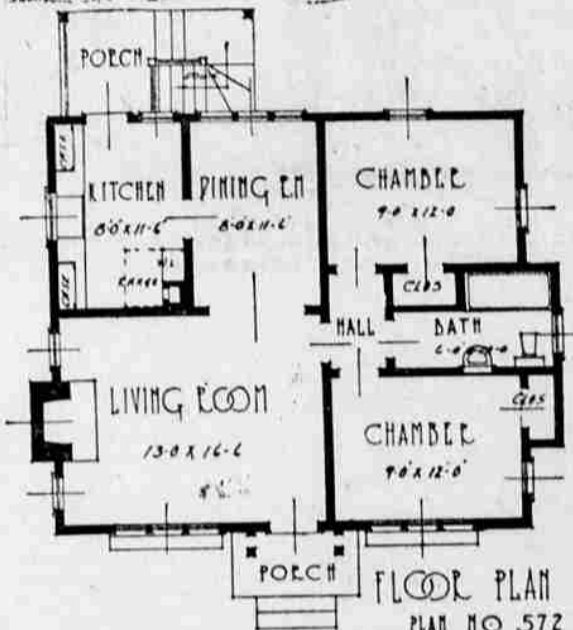
The sheltered entrance with its glass door and the sets of windows which flank it on either side make a pleasing facade. The brick border to the cement porch and the window boxes lend touches of color and the outside chimney breaks the severity of the architectural lines.

Arrangement of the two bedrooms affords cross ventilation and plenty of daylight. Each has a closet and is convenient to the bathroom.

The dining room is well lighted and cheerful and is large enough for ordinary use. With proper choice of furniture and decorations this room may be made very attractive and its wide entrance would afford a pleasing vista from the living room.

The kitchen is large and well arranged. The back porch may be enclosed at small extra cost and would prove a great advantage to the housekeeper.

The living room with its wide windows and its cozy fireplace breathes the spirit of cheer. Blue prints and specifications for this house may be secured from Walters-Bushong Lumber company at Eugene.



GERMS AID GROWTH
University of Wisconsin has sent out more than 2000 bottles of agar, or legume inoculation, for Wisconsin farmers to grow with their clovers, alfalfa, soybeans and peas. Bacteria, living on the agar, store nitrogen which is helpful to the legumes.

PEACHES FROM GEORGIA

Georgia expects to ship between eight and ten thousand carloads of peaches this year. North Carolina expects to add shipment of about 2500 carloads.

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Architect is Held Entitled to Plans

Many people think that when they secure drawings from an architect they are not obligated unless the plans are used in actual construction. The Southwest Builder and Contractor remarks that those same persons would expect, however, to pay a fee if they were to consult a lawyer, even though they decided not to retain him; and if they were to call upon a doctor for advice, would expect to pay for it even if they did not follow it, and continue:

"Preparation of sketches or drawings for a building are just as much professional service as legal or medical advice. Architects, themselves, perhaps, are as much to blame as the public for lack of appreciation on the part of the public of their obligations for professional service. They allow themselves to be imposed upon because of their fear of offending some one whom they may consider a possible client, hence the popular notion that if an architect's drawings are not used no obligation to pay for them is entailed. Litigation is not a thing to be desired or sought, but the moral effect of every case won in court is of inestimable value to the architectural profession."

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