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HOG RAISING IN OREGON.
 Finest Bacon Produced From Feeds Native to This State.
 Oregon Agricultural College, Corvallis.—That hog raising can be carried on very profitably in Oregon and the Northwest is the opinion of Dr. James Withycombe, Director of the Oregon Agricultural Experiment station. Relative to this matter Dr. Withycombe says:

"The production of hogs is a neglected industry on many Oregon farms. This great American farm mortgage lifter for some reason does not receive the attention which he is entitled. This is perhaps due to the inability of many farmers to disassociate the hog from corn. In the great hog-producing states corn is the staple food for these animals and the opinion is prevalent that there is no other feed that can successfully compete with corn. This is a mistake and it has been proven such time and again. It is a well known fact that the highest priced bacon in the world is produced in Canada and Denmark. This high priced meat is not produced from corn but from just such feeds as can be grown abundantly upon the Oregon farms. There is no better grain than wheat or barley for producing a high class pork product. Barley should be the staple hog food upon the Oregon farm. Splendid results can be secured from barley and skim milk or barley and tankage as a fattening food for hogs.

"It has been found at the Oregon Experiment Station that skim milk and tankage are both excellent supplemental foods with barley for fattening hogs. These supplemental foods lower the cost of production. Ordinarily it requires 4.5 pounds of barley to make one pound of gain but with these supplemental feeds much less barley is required for securing a similar gain.

"In a recent experiment conducted at this station, 3.21 lbs. of ground barley and 4.87 lbs. of skim milk produced one pound gain in lot 1, comprising 7 hogs, which gained in 60 days, 786 lbs. and consumed 2525.5 lbs. of ground barley and 3832.5 lbs. skim milk. In lot 2, consisting of 7 hogs, it required 3.43 lbs. of ground barley and 25 lb. of tankage for one pound gain. This lot gained in 60 days 778.3 lbs. and consumed 2676.75 lbs. barley and 191.5 lbs. of tankage. Estimating that without the skim milk or tankage it would have required 4.5 lbs. of ground barley to produce one pound gain, this would indicate that 3832.5 lbs. of skim milk saved 1011.5 lbs. of barley which at \$27.00 per ton would give a return of \$13.70 for the milk, or about 26 cents per cwt. Estimating upon the same basis for the tankage fed hogs 191.5 lbs. of tankage saved \$25.5 lbs. of barley, worth at \$27.00 per ton, \$11.14. Cost of tankage, \$4.73, thus making from the investment in tankage \$6.41.

There is no question but what swine husbandry, when properly conducted is profitable in Oregon. From a number of experiments conducted at this station results show that it costs approximately 3.5 cents per pound to grow a hog to a fattening stage. For example, pigs farrowed in the early spring and allowed to run on clover, alfalfa, vetch, or rape during the summer and fed a small supplemental feed or grain can be brought to a fattening stage in the fall, weighing about 125 pounds at a cost of about 3.5 to 4 cents per pound. Presuming at this time they are placed in fattening yards and fed for 60 days on ground barley, of which it will require 450 pounds to produce 100 pounds gain. Thus at this time the hog will weigh 225 lbs. and at present market values worth 8 cents per pound, or \$18.00. The cost of production will be about as follows:

Cost of maintaining breeding herd about \$2.00 per pig; initial weight at time of fattening, 125 lbs. at 3.5 cents per pound, \$4.37; 450 lbs. of barley at \$27 per ton, \$6.07. Total cost of production, \$12.44; net profit per hog, except labor, \$5.56. This of course allows commercial rate for all food consumed. If skim milk or tankage be fed even better results would be secured. It is evident that there is good money in hogs.

"Sows should farrow two litters a year. The fall pigs could be wintered in Western Oregon very largely upon roots and kale with a small supplemental feed of grain and fattened in the spring or early summer. In Eastern Oregon they could run on early sown grain or be fed some roots or nicely cured alfalfa or pea hay.

"In the matter of breed there is little difference in the leading breeds of hogs. It is largely a matter of personal choice with the farmer. It is not necessary to have pure bred hogs to make a success of the industry. Pure bred sires, however, should always be kept. Some growers have excellent success in crossing breeds, for example, taking high grade Berkshire sows and crossing with pure

Longest English lawsuit.
 The longest lawsuit ever heard in England was that between the heir of Thomas Talbot, Viscount Lisle, and the heirs of Lord Berkeley respecting certain lands and possessions not far from Wootton-under-Edge, in the county of Gloucester. It commenced at the end of the reign of Edward IV. and was pending till the reign of James I, when a compromise took place after it had lasted about 120 years.—London Answers.

bred Poland China sires or vice versa. This is feasible with a graded herd, but too expensive with pure bred herds.
 "Young pigs should not be fed coarse, bulky feed, neither is coarse grain, such as ground oats and barley, good when the pig first begins to eat. These coarse feeds irritate the intestinal tract and may be responsible for producing what is generally known as thumps and convulsions. The ideal food for a young pig is skim milk and shorts or middlings. Food of this character should be fed until the pig is at least three months old. Then again the pig should have exercise. Many pigs are ruined by being fed rich feed without being given any exercise. They are prone, under such conditions, to develop rheumatic arthritis which is a very serious trouble. This, however, can be entirely eliminated through exercise. Young growing hogs, in fact all hogs, should be provided with clean, comfortable quarters during the winter months, as hogs are very susceptible to cold and suffer if not provided with warm sleeping quarters.

"Hogs should be finished for the market at the earliest practicable age. The younger the animal the lower the cost of production. A four months old pig will make a pound gain with at least one-third less feed than a one year old hog. Economy in production means growing the pig in the open field during the summer and finishing it for the market quickly in the fall in a fattening period not exceeding over about sixty days."

NOTES FROM THE EXPERIMENT STATIONS.

(From Washington Experiment Station, Pullman, Wash.)
 The only remedy for China lettuce is absolutely clean cultivation. A cultivator or harrow should be rigged with knives, so that it is possible to "shear" two or three inches below the ground, and completely cut off all young vegetation. You should go over the ground often enough to prevent any leaves from appearing above the ground. This kind of treatment will gradually wear out the weed. However, if you neglect the cultivation in busy times, the good you have accomplished will be lost, and you will have to begin over again. It is by reason of this neglect that many people are led to say that clean cultivation is not a success. It is a success, and the only method, when it is thoroughly done.

The best method of keeping the gophers away from your trees is to rid the orchard of gophers. This can be done with comparative ease and with very small expense if the owner will carefully go over the field with pieces of poisoned carrots, and place a piece in every place where the gopher shows fresh work in the soil. The carrots should be cut into pieces about the size of a quail egg, with a small slit made in the side of the piece in which a few crystals of strychnine are inserted. This dissolves to poison the entire piece of carrot. It will be necessary to go over the field twice or three times during the fall or early spring before one can be sure that it is entirely free from this troublesome orchard pest.

"Strawberry mildew" is an old Eastern disease of the strawberry which in recent seasons has been found in the West. Where it is found, carefully rake off as much of the trash and leaves in the spring as possible. Do this just after growth starts. Destroy all of the leaves, for the mildew will live over in these leaves, and be there to bother the plants another year. After thorough cleaning up the patch, give it a thorough spraying with Bordeaux mixture. This is to be done before the plants start into active growth. Watch your plants very carefully during the growing season, and spray again if it is necessary.

Logged-off lands treated with an application of well-rotted stable manure should produce good crops of potatoes. If the manure is not available in large quantities, light applications of nitrate of soda put on soon after they start to grow produce good results. This fertilizer should be used at the rate of 75 to 150 pounds per acre, and should be given just as the crop needs it. It will therefore be necessary to give two or even three applications during the growing season.

One should not experience difficulty in growing potatoes on bottom land or sandy soil. However, if land is peaty, it may dry out a little too early if it happens to be in a comparatively dry section. If early potatoes are desired, probably the best variety would be the Early Ohio. But if you desire to grow late potatoes, the Burbank is a satisfactory one. Some people are very much in favor of the Beauty of Hebron, while others think there is nothing equal to the Early Rose.

Persons who wish to plant flowers in the spring that will grow during the summer and be in good shape during the fall could make use of the very late varieties of sweet peas, any of the asters, zinnias and possibly a few pansies. Another plant is the cosmos. Get the late flowering sorts of these, and delightful results will be secured.

The Landmark.
 "Ah," said the gray-haired wayfarer at the railway refreshment room, "this is the old place. I recognized yonder landmark at once."
 "What landmark?" Inquired the barmaid, considerably.
 "Years ago, when I traveled over this line," said the stranger in a choking voice, "I carved my initials and the date on yonder bun. I see you have it still. Excuse an old man's tears."

Met Death in Hot Starch.
 A fearful death was that of a man named John Baird at a mill in New York. As he bent over a large vat filled with boiling starch, he slipped and fell into the hot mixture. He was literally boiled to death before workmen dragged his body from the vat with hooks attached to a rope. The hot starch had reduced the man's clothing to fragments.

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 Clothes packed away during summer are often very creased. To remove the creases hang the article on a clothesline in the bath room, shut door and window, turn on the hot water tap to fill the room with steam, and leave the clothes for an hour or two. Afterward dry in the open air if possible.

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 The "pickpocket business" must be in hard lines. One fellow, driven to desperation it would seem, made an attempt to pick a woman's pocket in a New York theatre. That he did not find the pocket is understood without the saying.

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"Do it Now."
 "Withhold not good from them to whom it is due, when it is in the power of thy hand to do it. Say not unto thy neighbor: Go, and come again, and tomorrow I will give, when thou hast it by thee."—Proverbs of Solomon III, 27, 28.

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8th Year	124,500 " "
9th Year	172,495 " "
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