

# Scientific Farming

## WORMS IN HOGS ARE INJURIOUS

Infected Animals Develop Into Pot-Bellied Runts.

## SUCH PIGS DO NOT THRIVE

Mixtures Containing Charcoal, Copras, Etc., Are Believed to Be of Value as Preventives—Santonin is Scarce.

(Prepared by the United States Department of Agriculture.)

Intestinal worms are common in hogs and are particularly injurious to growing pigs. Insufficiently fed, neglected pigs living in dirty pens and yards, fed from filthy troughs, drinking contaminated water, bathing in old hog wallows, and rooting and sleeping in manure piles and stack bottoms soon become infested with worms. Such pigs do not thrive, but develop into pot-bellied, profitless runts. Pens should be kept clean and dry and the manure frequently removed.

Mixtures containing charcoal, copras, etc., are believed by some to be of value as preventives and destroyers of worms, but their usefulness probably depends upon their general effect on the condition of the pig and



Male Hog Louse.

not upon their action on the worms. Other things being equal, a pig in good condition is better able to resist the attacks of worms than one that is not in good condition. Mineral mixtures may, therefore, by helping to balance the ration, tend to increase the powers of resistance to the ill effects of worms and other parasites. They should, however, be classed as tonics or conditioners rather than as worm preventives or destroyers.

Santonin, which was formerly widely used as a remedy for worms in hogs, is practically unobtainable at the present time owing to foreign trade conditions.

Effective Treatment. The following treatment has been

## SUCCULENT FEED IN WINTER

Acres of Corn Can Be Placed in Silo at Cost Not Exceeding That of Shocking and Husking.

Silage is the best and cheapest form in which a succulent feed can be provided for winter use. An acre of corn can be placed in the silo at a cost not exceeding that of shocking, husking, grinding and shredding. Crops can be put into the silo during weather that could not be utilized in making hay or curing fodder. There is less waste in feeding silage than in feeding fodder. Silage is very palatable and like other succulent feeds silage has a beneficial effect on the digestive organs. More stock can be kept on a given area of land with silage.

## GUARD AGAINST HIGH PRICES

One of the Best Ways to Grow as Much Food on Farm as Facilities Will Permit.

One of the best ways to be insured against high prices for food is to raise as much of it on the farm as facilities will permit. Both meat and bread will be important next year. When we think of the importance of milk, pork, poultry, eggs, butter, beef, mutton and other foods derived from animals we are sure to be impressed with live-stock raising.

## MORE AND BETTER PASTURES

Good Results Obtained by Clipping at Ohio Station—Ripening of Weed Seeds Prevented.

More and better grasses were noted to result from clipping pastures after harvest in a survey made by the Ohio agricultural experiment station. Ber-ys are removed and the ripening of weed seeds is prevented, so that the grasses and clover have greater chances for growth. Where the mowing machine cannot go, a scythe may be used.

## SEPARATE BOAR FROM SOWS

Practice of Permitting Him to Run With Herd is Frowned Upon by Many Swine Breeders.

The practice of letting the boar run with the sows is generally frowned upon by swine breeders. There are many reasons why the herd does better if the boar is kept separate. He worries the rest of the hogs as well as himself when he is with the herd. The waste and possible injury to the boar by too much breeding, if more than one sow comes in heat at the same time, is useless and can be avoided by keeping the boar alone and turning the sow in to him. This assists in keeping records. The owner knows when the sow was bred. Also knowing when she is due to farrow, he can be prepared for this event, which may be the cause of saving one or more pigs. Small litters as well as weak pigs are as often the direct results of letting the boar run with the sows as they are due to a poor brood sow. And to use a boar whose breeding powers have been impaired by unwise herd management is a financial loss to the owner.

## RATIONS FOR YOUNG PORKERS

Concentrates Rich in Muscle and Bone-Making Material Needed for Thrifty Development.

Weaned pigs need good concentrates that are rich in muscle and bone-making material to insure thrifty development. Accustom them to their feed gradually, as overfeeding will readily produce scouring. From 10 to 12 days are essential in getting young pigs adjusted to the change. However, they should be fed lightly at least three times daily during this time.

The following rations are good for young pigs: (1) Skim milk and wheat middlings. (2) One part ground grain



Convenient Weaning Trough.

of some kind to two parts wheat middlings or rice meal. Ground oats and rice meal make a splendid mixture. Feed as indicated above with skim milk.

## BEWARE OF GARGET IN EWES

Inflammation of Udder is Common Trouble at Lambing Time and Needs Immediate Attention.

Garget, or inflammation of the ewe's udder, is a common trouble at lambing time, and it should be given immediate attention. The udders of heavy milking ewes are likely to become inflamed and as a result the ewes may have milk fever. Overfeeding of grain, colds, chills and lying on wet floors are some of the causes of this condition. When discovered, the ewe's udder should be bathed with hot water by means of woolen cloths. After the udder has been dried, it can be rubbed with turpentine and lanolin, or with one-half ounce of lead acetate dissolved in one quart of water. The udder should be kept wet with acetate for half a day. It should be milked out thoroughly each time the application is made. It is also advisable to give the ewe a good dose of Epsom salts as soon as the trouble is noticed.

## SHEEP RELISH SWEET CLOVER

Care Must Be Taken to See That Pastures Are Not Overstocked—Yellow Variety Best.

Sheep relish sweet clover and make rapid gains when pastured on it. Care must be taken to see that pastures are not overstocked with sheep as they are likely to eat the plants so close to the ground as to kill them. This is especially true the first year before the plants have formed crown buds.

Yellow biennial sweet clover probably will not suffer from this cause as much as the white species, because the plants make a more spreading growth and are not likely to be eaten so closely to the ground.

## RAM'S FEED DURING WINTER

Object is to Carry Them Through Cold Weather Season as Cheaply as is Possible.

In feeding rams during the winter season, the object is to feed them as

cheaply as possible, but at the same time keep them in a healthy condition. Oats, bran and meal may be relied upon to meet all the requirements of a grain ration.

## IMMENSE LOSS BY INSECTS

Agricultural and Horticultural Interests Suffer Big Loss Annually by Pests.

One-tenth of the agricultural and horticultural interests of the United States are destroyed annually by insects, and our greatest safeguard is the destruction of these by the wild birds. The birds are our country's greatest aids to food conservation.

## ROY GOT HIS COOKIES

Naval Paymaster Helps Out Grandmother in Distress.

She Stole Away From Home to Take Boy Goodies and Was Barred by the Guard.

Great Lakes, Ill.—One morning an old-fashioned grandmother from Chicago carefully climbed off a train at Great Lakes. She might have stepped from the daguerrotype pictorial page of an old magazine. A black bonnet crowned her silver hair and was tied with black ribbons under her chin. She gripped a large paper bag. The guard stopped her.

"You can't come in today," he told her. "Wednesday is visitors' day." Her eyes filled with tears. "But Roy is going to sea today," she said. "I came to give Roy his cookies. I had to run away from home to get here. My daughter won't let me go out of the house much. She thinks I am too old."

She took a letter from a handbag. It was from Roy and it read in part:

"Grandmother: I leave for sea on Friday and all that I lack to make me happy is some of your raisin cookies. The food here is good, but I had to leave without again tasting the cookies that I loved so much."

"I baked cookies for that boy since he was big enough to eat them, and he always had my cookies until he enlisted," she resumed. "His mother is dead. He is in Camp Ross. I must see him before he goes away."

The guard was iron.

Paymaster J. D. Doyle is a busy man. But Paymaster Doyle was not too busy to stop and hear her story. He is not a young man and his hair is gray, but he likes raisin cookies and has a heart as big as the administration building.

He heard her story, heard that her daughter would not let her bake the cookies, heard how she had waited until the daughter had gone shopping and then mixed the butter and done the goodies to a perfect brown. This morning she had stolen away and come to the station.

He helped her into his car and whisked her to Camp Ross. He found Roy for her and saw her weep for joy on Roy's blue jacketed shoulder. He ate one of the cookies, Grandmother and grandson visited and said good-by.

Mr. Doyle took her back to the depot, helped her on a Chicago train, and returned to his neglected work. He was tickled as a kid.

"Jove, she loved that boy," he said as he smacked his lips.

## GERMAN AGENTS START FOOD SHORTAGE CARE

Washington.—The work of German agents among housewives to cause a disruption in the markets of household necessities and incite a discontent with war conditions has caused a false shortage in some places in commodities that really are to be had in plenty.

The national food administration, commenting on the reports of three successive buying drives by housewives throughout the country on salt, laundry blue and matches, says there is no lack of these commodities among small retailers by the excessive buying, that the national stock is as large as ever, with no possible likelihood of shortage with a normal demand from the consumer.

The housewife is warned to disregard rumors and not to overstock, as such unnecessary buying may cause real shortages for a short time in certain localities.

## SAFETY PIN BRINGS IN \$775

Auto Hits Man, Causing Him to Swallow Fastener—Operation Necessary to Remove It.

New York.—Mrs. Ann Kelly of Elmhurst, proprietor of a trucking business in Brooklyn and Long Island City, must pay Joseph O'Laughlin \$775 because O'Laughlin swallowed a safety pin. O'Laughlin was struck by an automobile truck owned by Mrs. Kelly and operated by John Mackey. He had just come from a barber shop and was adjusting the collar of his woolen shirt. The safety pin was in his mouth

# LESLIE SALT

runs freely from its convenient —sidespout— —package— it does not clog the shaker

when the automobile struck him, and the force of the collision caused the man to swallow the pin. An operation was necessary for its removal.

## FRANCE'S AVIATION ARTIST



M. Henri Farre, official aviation artist of the French government, who has brought to this country a remarkable collection of paintings, depicting the aerial battles over the firing line and incidents of aviation life high in the clouds. As machine gun observer he took part in many of the encounters he so graphically portrays on his canvases. Arrangements are being made to exhibit this notable collection in the principal cities of the United States under the auspices of the Aerial Club of America.

## TRIED TO SPUR HIS AUTO

Cowpuncher Could Not Get Used to Kicking Forward to Make Car Go.

Portland, Ore.—Rawley Meecham, the buckaroo of Roaring Springs, can now make his flivver get up and git as well as any sagebrush shover in these parts.

Rawley used to head a jerky course and stall on every grade. The trouble was he couldn't get used to kicking forward to make the critter go, and whenever he wanted speed he always kicked back as he did when he rode the plebeid cayuse. He just would try to dig in his spurs.

The ingenuity of Slim Crowley, who lately turned the Skullspring Saddlery into the Palace Garage, solved the problem. Slim fixed up an auxiliary accelerator just under the front seat. When Rawley kicks back now she sure goes.

Cards at the Courier office.

Thrifty, shrewd, careful people make it a habit to read our classified ads

Do you? These ads. are money savers and money makers.

Keep your eyes on them.

# Classified Advertising

## FOR SALE

O. & C. GRANT LANDS—Blue print plans showing lands in Josephine county, \$1.50. Address A. E. Voorhies, Grants Pass. tf

DEALERS in horses, mules, cattle, wagons, hacks, buggies, harness and saddles. We have a variety of all kinds at all times. If you have anything to sell or exchange, or if you want to buy, come and see us. We will treat you right. All our livestock is put out under guarantee. Red Front Feed and Sale Stable, Corner Sixth and K streets. Timmons, Prop. Phone 533-J. 18tf

FOR SALE—Good modern house, close in, north side. Inquire No. 2333, care Courier. 28tf

PIANOS, new and second-hand for rent or sale on easy monthly payments; first year's rent to apply on purchase price. Rowell's Music and Photo House. 85

A HARTFORD ladies bicycle in excellent condition, two brand new tires, coaster brake, new spokes, a bargain for \$12.50 at Cramer Bros. 65

GOOD EXCELSIOR single motorcycle. First class condition, \$50 if sold at once. Ed Lagergren or apply at Williams Garage. 67

FOR SALE—One good heating stove and one surrey, in good condition. Oscar Wilkins, 632 North Second street. 63

FOR SALE—Hay at the Red Front barn. Rates at \$29. Phone 533-J. 67

I HAVE FOR SALE or trade all kinds of work, driving and saddle horses, wagons, buggies, harness and saddles, or will buy yours. Come and see me at Brownie Hampton's Feed and Sale Stable, phone 142-R. Roy Higgins, owner. Also one 4-room house for sale cheap or to trade. 87

## TO RENT

TREMONT ROOMS—Now under management of Mrs. L. C. Armstrong; 28 clean rooms at 35c and 50c; special rates by week or month; also light housekeeping rooms. Would like your patronage. 40tf

FURNISHED ROOMS—Large, comfortable and conveniently located. 411 C street. 86tf

HOTEL OXFORD ROOMS for rent—Large, well furnished, steam heat, hot water, bath, and all hotel privileges. Very moderate weekly and monthly rates. 37tf

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## WANTED

WANTED—To buy a second hand iron wheel wagon—four to six inch tires—holding about 3,000 lbs. C. Shaefer's, R. F. D. No. 2. 56tf

WANTED—Edger man at 20,000 mill. Inquire No. 84 Courier office. 63

WOULD LIKE a team to do light work, for its feed, for two or three weeks. Will give best of care. Mrs. Josie Messenger. Phone 601-F-13. 67

WANTED to buy for cash, a small gas engine. I. R. Sheaffer, Rd. No. 3. 63

## TO EXCHANGE

TO EXCHANGE for alfalfa and dairy, 40 acres fine level silt soil, 10 miles east of Tular Lake, Cal., all under the ditch, part in alfalfa, part in grain, one mile from good town and good schools and railroad, plenty outside work for teams if wanted. Healthy climate. E. S. Allison, 157 Laurel St., Ashland, Ore. 64

I WISH TO TRADE a motorcycle for a small stationary gas engine of about 2 horsepower. Inquire Paramount cyclery. 63

## LOST

LOST or misplaced a few days ago—Abstract No. 595, prepared by the Grants Pass Abstract Co. Reward if returned to No. 96, care of Courier. 60tf

## TAXI SERVICE

WHITE LINE TAXI—City and country. Popular prices. Call Grants Pass hotel, phone 396. Residence phone 328-J. W. G. White, Prop. Grants Pass, Oregon. 67

A classified ad brings results.

Cards at the Courier office.

## PHYSICIANS

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DR. J. O. NIBLEY—Physician and surgeon. Lundburg Building. Surgeon Utah-Idaho Sugar Co. Health Officer. Office hours, 9 to 12 a. m. 1 to 5 p. m. Phone 310-J. 96tf

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## ATTORNEYS

H. D. Norton, Attorney-at-law. Practice in all State and Federal Courts. First National Bank Bldg.

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## DRAYAGE AND TRANSFER

COMMERCIAL TRANSFER CO. All kinds of drayage and transfer work carefully and promptly done. Phone 181-J. Stand at freight depot. A. Shade, Prop.

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THE WORLD MOVES; so do we. Bunch Bros. Transfer Co. Phone 397-R.

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J. S. MACMURRAY, teacher of voice culture and singing. Lessons given at home of pupil if requested. Address 716 Leo St. 851tf

## PHOTO STUDIO

THE PICTURE MILL open daily 10 a. m. to 5 p. m. For Sunday sittings call Mill 283-R or residence 140-J. 731tf

## MISCELLANEOUS

BENNETTS' CHEMICAL laboratory, 1143 Market street, Tacoma, Wa. Let us take care of your ore shipments and do your control work, rates reasonable. tf

## The California and Oregon Coast Railroad Company

### TIME CARD

Effective December 1, 1917.  
Tuesday, Thursday, Saturday  
Train 1 lv. Grants Pass. 1:00 p. m.  
Train 2 lv. Waters Creek 3:00 p. m.

All trains leave Grants Pass from the corner of G and Eighth streets, opposite the Southern Pacific depot. For all information regarding freight and passenger service call at the office of the company, Lundburg building, or phone 181 for same.

## NEW GERMAN GOVERNMENT

### COMPLIMENTS PRESIDENT

Amsterdam, Jan. 19.—The Tagliche Rundschau of Berlin, learns from Munich that a new political party has been formed there, under the name of the "Free Committee" and that it has sent a telegram to the reichstag, saying:

"Notwithstanding its partiality, President Wilson's recent message contains a practical basis for the inauguration of negotiations toward a general peace."