

## ARMY CUTWORM WARNING GIVEN

By DON C. MOTE,  
Entomologist, O. A. C.

An outbreak of the Western Army Cutworm may occur in the wheat fields of Central and Eastern Oregon this spring. Alcoholic specimens of this species of cutworm were received from Mr. Anthony Spuler with the report that they were found feeding upon fall grain near Kahlotus, Washington, and in one case destroyed 60 acres of wheat. These specimens were determined by Mr. Rockwood, Federal Entomologist, as the Western Army Cutworm and he believes there is danger of this worm appearing in the wheat fields of Morrow, Gilliam, Sherman, Wasco, the drier parts of Umatilla, and counties south of these.

The Western Army Cutworm is a pale green to dark brown worm with dark stripes on the side and 1 1/2 to 2 inches long when mature. The moth has a wing expanse of about 1 1/2 in. and is dark brown with grey markings on the forewings.

The Army cutworm appears in small numbers each year and normally does little injury to farm crops. Under certain conditions, however, it increases to enormous numbers and travels in armies, eating everything in its path.

The injury to winter wheat usually shows up in the first two months of growing weather in the spring. Usually it appears as bare spots or the wheat seems to be slow in coming up. If cutworms are responsible for the bare spots, the crowns and vigorous root systems of the chewed off plants can be found by following along the drill row with the fingers and the cutworms, themselves, hiding under clods or in the soil. The worms are most likely to be present in greatest numbers along the edge of the yet unjured plants. If unspouted seed or dried remains of the wheat plant are found, cutworms are not to blame.

The best time to look for cutworms is from late afternoon until dark. During the hours of brightest sunshine they are hiding in the soil or under clods, feeding and moving about only in late afternoon and during the night.

### Control.

1. Study the field carefully in the late afternoon or early evening when the worms are active.

2. Frequently cutworms will be found scattered sparingly throughout the field, and if there is a good stand of wheat they may do little harm; but if bare spots begin to appear or if the stand is much reduced, prompt action with control measures is needed.

3. Poison bran mash is the standard remedy for cutworms.

Formula I:  
Coarse wheat bran ..... 25 lbs.  
Salt ..... One-half lb.  
White Arsenic or Paris Green 1 lb.  
Syrup or brown sugar ..... 1 pt.  
Water to make a crumbly mash.

Formula II:  
Coarse wheat bran ..... 16 lbs.  
Sodium fluoride ..... 1 lb.  
Molasses ..... 2 qts.  
Water about 2 gallons.

For additional information on cutworm control see Experiment Station Circular No. 70, a copy of which may be obtained from the office of the county agent.

### Conditions In Four

#### Counties Look Good

Conditions look the best they have in five years in counties to the west of Umatilla, according to Walter Mitchell who has returned from an extended visit over the state, and reported in Thursday's issue of the Pendleton East Oregonian. Due to the amount of rain during the winter, said Mr. Mitchell, who is associated with the Collins company in Pendleton, wheat looks better at this time than it has for a number of years.

There is plenty of grass for grazing and the stockmen are happy. Last year conditions were not so good in these counties due to the open winter the winter before and the lack of rain and snow. In Morrow, Gilliam, Sherman and Wasco counties which Mr. Mitchell visited prospects for a good wheat crop are in evidence, he stated.

### DOHERTY-WINKLER.

The marriage of Patrick J. Doherty to Miss Agnes Winkler was solemnized at St. Patrick's church in this city on Tuesday by Rev. Thos. J. Cantwell, pastor. Mr. Doherty is a prosperous young ranchman of the Lexington section, and the bride is from Siletz, Oregon, and a talented school teacher. This county will continue to be their home.

### NOTICE FOR PUBLICATION.

Department of the Interior, U. S. Land Office at The Dalles, Oregon, Mar. 7, 1927.

NOTICE is hereby given that Michael Kenny, of Heppner, Oregon, who, on May 8, 1926, made Homestead Entry under Act, Dec. 29, 1916, No. 024615, for N 1/2 NE 1/4, E 1/2 NW 1/4, Section 26, Township 1 South, Range 27 East, Willamette Meridian, has filed notice of intention to make final three year Proof, to establish claim to the land above described, before Gay M. Anderson, United States Commissioner, at Heppner, Oregon, on the 19th day of April, 1927.

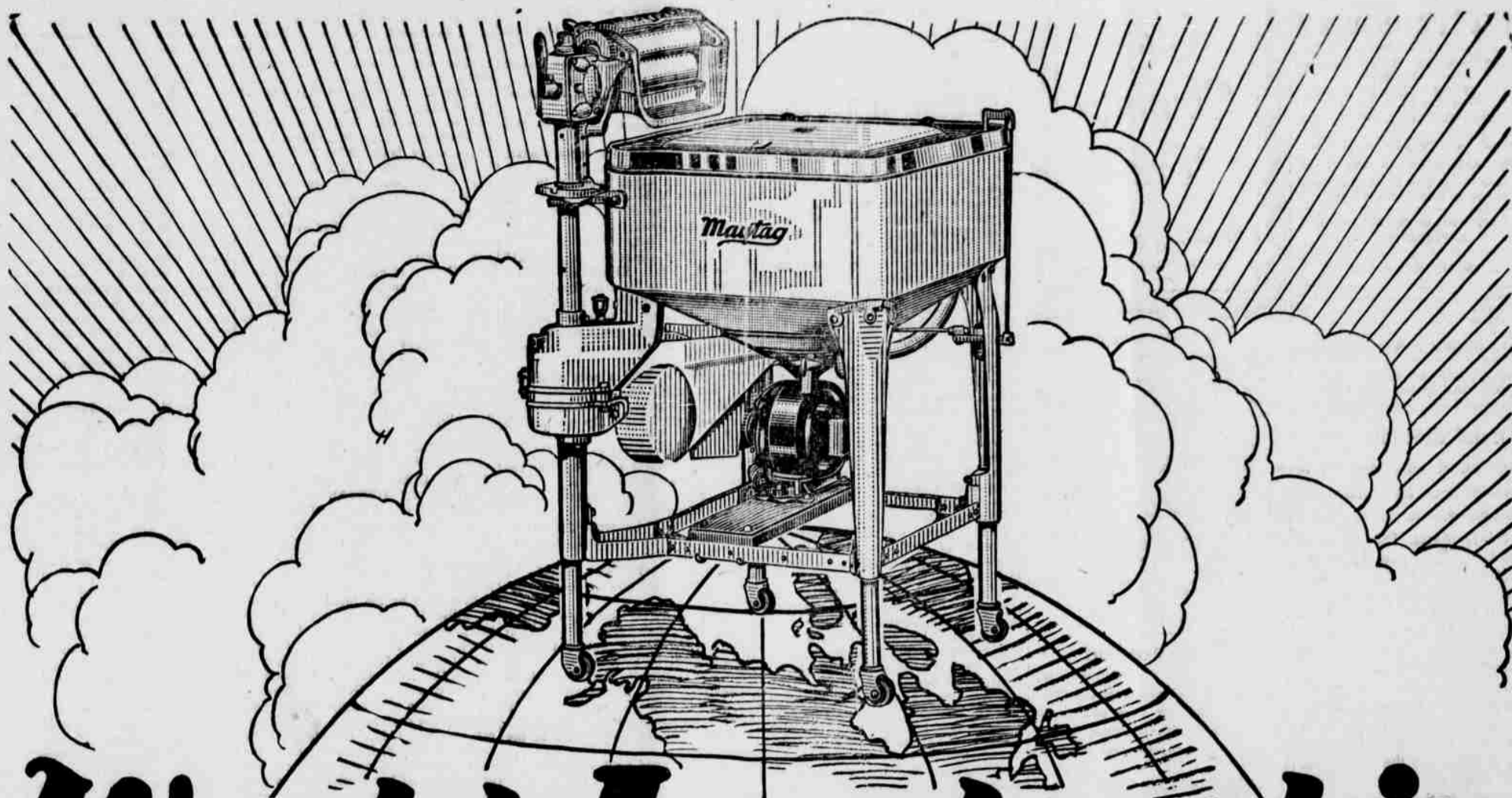
Claimant names as witnesses: Jas. T. Morgan, James Farley, John P. Kenny, all of Heppner, Oregon; T. J. O'Brien, of Echo, Oregon.

J. W. DONNELLY, Register.

### NOTICE TO CREDITORS.

Notice is hereby given that the undersigned has been appointed by the County Court of the State of Oregon for Morrow County administrator of the estate of Milton S. Maxwell, deceased, and that all persons having claims against the said estate must present the same, duly verified according to law, at the office of my attorney, S. E. Notson, in Heppner, Oregon, within six months from the date of the first publication of this notice, said date of first publication being March 10, 1927.

C. H. FURLONG,  
Administrator.



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## PHONE -

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