



SCENE FROM "WINGED MILLIONS" No. 3
PATHE'S "PATRIA"

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"A thrill a foot might well be the advertising description of 'Patricia.' In the first three episodes Mrs. Casile has ridden a horse at breakneck speed, swam for her life, motorboated, scaled a ship's side hand over hand up a rope, drove off an ocean liner, shut out a fuse that threatened to blow her out of the picture, and crouched in a racing motor that zipped through guarding gates across the very path of a speeding express train."

Enjoys Visit With Old Friends.

Joe Bannister, who for many years in the early history of Morrow county was a farmer and stockraiser in the Hardman section, was in Heppner several days the past week from his home in Hermiston. He is at present foreman of the big Sloan sheep ranch in the Stanfield country and came to Heppner to receive a bunch of wethers from Blakely Bros., of Monument. The last visit of Mr. Bannister to Heppner was just after the Heppner flood. He had been away from here for several years at that time, living at Weston. It is now with a great deal of pleasure he notes the splendid improvements going on here and the manner in which the town has grown and built up is a surprise to him. Mr. Bannister has occasion to visit many of the towns and cities of Eastern Oregon in the course of his business, and at no place has he noted the activity that is going on in Heppner. The G.-T. force enjoyed a pleasant visit with Joe and many reminiscences of former days were recalled. The Heppner country was a pretty lively section in the days when Mr. Bannister rode the hills and he can recall many interesting events of the early days.

Has Leased Ranch.

George W. Chapin, of Hardman, was in Heppner on Friday to attend to business matters. He has rented his Middle Fork ranch on Rock creek to Ed Reed, of Eight Mile, and Mr. Reed will run the place for a period of five years. He will begin the work of putting in his crops there at once. Mr. Chapin will live on his mountain place in the meantime and try to take things a little easy as he finds a lot of hard work in connection with handling a place as large as the Middle Fork ranch.

Joe Wood, young farmer of the Gooseberry section, was doing business in Heppner the first of the week.



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THE GAZETTE-TIMES
HEPPNER, OREGON

TO ASSIST FARMERS IN ELIMINATING SMUT.

(Continued from Page 2)
5. Then shovel up into a pile and cover with sacks or tarpaulin previously moistened with the solution.
6. Leave for two hours or more.
7. Uncover and spread out till dry enough to run through drill and plant at once or if the grain is not to be seeded immediately dry thoroughly before storing away.
Note—The sprinkling method should not be used for wheat that has not been cleaned of smut balls as this does not kill the spores contained in broken balls and when run through the drill the smut balls are broken and the living smut spores are then sown on the seed. Such grain should therefore be treated loose in an open tank and the smut balls allowed to float to the top of the solution where they can be removed by skimming.
Drill should be set to allow for swelling of seed when damp grain is planted.
Bluestone (Coper Sulphate) Solution
A good many growers use the bluestone method in place of formaldehyde with good results. It is more

expensive and probably no more effective than the formaldehyde. It must not be used with barley as it injures germination severely. It is not advised for oats. Bluestone as well as formaldehyde may under certain conditions cause some injury to the germination of wheat. The following directions will give maximum effectiveness and minimum injury if followed carefully in using the bluestone solution.
Formula—Bluestone (copper sulphate), 1 pound; common salt, 1 pound; water, 5 gallons.
Milk of Lime.
Slake some quick lime and dilute with water in a barrel or other suitable container to be used as a neutralizer for the bluestone after treatment.
Directions—Remove all smut balls by fanning.
2. Place wheat in loose sacks and put into the solution, being sure to get all kernels thoroughly wet.
3. Leave for 5 or 6 minutes.
4. Remove, drain quickly and dip at once into barrel containing milk of lime to neutralize the copper. This reduces somewhat the possible injury to germination.
5. Spread out and dry at once.

Injury to Germination.
The soft wheats grown in Oregon ripen with an exceedingly low water content and the kernels are very brittle. When threshed with an ordinary separator running at the usual speed a large percentage of the kernels are often broken, cracked or scratched. Running the machine at a lowered speed has been shown by the Washington Experiment station to reduce the amount of this kind of injury to some extent, while flailed grain will have very much less of the injury.
In using the formaldehyde and bluestone methods of treatment a considerable loss in germination of seed or failure to make a good stand of grain are often reported. Experiment has shown that perfectly uninjured wheat suffers little or no injury to germination from either method of treatment. Grain that is cracked or kernels that are scratched especially over the germ end so as to break through the seed coats, are liable to have their powers of germination destroyed or their vitality injured because the chemical used in treating is able to get into the interior through these injuries. The loss in germination in this way is, when proper precautions are observed in

treating, not so severe in most cases as would have been the loss from smut. No grower would be justified in discontinuing treatment on this account.
In order that injury to seed vitality may be reduced to the minimum, particular attention should be given to the following points:
1. Do not soak seed longer than recommended.
2. Spread out to dry at once.
3. In the bluestone treatment use the lime bath at once before drying.
4. In the formaldehyde treatment if grain is not to be planted at once, wash in pure water before drying and then dry thoroughly before sacking up.
5. Never allow treated grain to stand around in sacks any length of time with the grain wet or moist.
6. Where injury to germination is suspected, germination tests with treated grain are recommended and the drill should be set to sow more heavily according to the results of the tests.
The "loose" smuts of wheat and barley are not controlled by either of the above methods of treatment. These smuts, however, are not ordinarily serious in Oregon.

YES, THE GAZETTE-TIMES CAN PRINT IT