

## Cholera Vaccine Serum Block Is Eliminated

Science has added something new to the expression "this little pig went to market." Through combined use of anti-hog cholera serum and vaccine at markets where pigs are sold, the little pig comes back from market—and lives.

Until recently, chances were that swine feeders might lose as high as 100 per cent of pigs bought at sales due to cholera. Then research by Howard W. Dunne and associates, veterinarians at the Pennsylvania State University proved that pigs can be successfully immunized against cholera by giving modified vaccine with anti-hog cholera serum at the sales barn.

Dr. Dunne found that serum used alone "blocked" development of permanent immunity when vaccine was given. Even inoculation with serum, followed by vaccine at the farm three days after purchase, did not build up permanent immunity. But combined inoculation at point and time of sale proved effective.

As a result, the Pennsylvania Bureau of Animal Industry leads livestock sanitarians in many states in abolishing the use of serum alone at community livestock sales. In force for over seven months in Pennsylvania, the system of double immunization controls hog cholera unusually well, officials report. Laws in most states previously required only the serum treatment at time of sale.

Dr. Dunne and associates with the Agricultural Experiment Station have conducted studies of hog cholera for 5 years. Dr. Dunne has reported his findings at conferences of veterinarians in 16 states.

Dr. Dunne recently held a training session for officials who conduct Pennsylvania's hog cholera eradication program. He has helped with a national training school for hog cholera eradication and will work with another such school in June. He is active on two national committees dealing with hog cholera eradication.



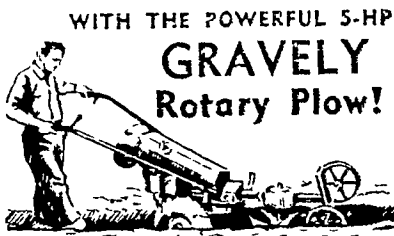
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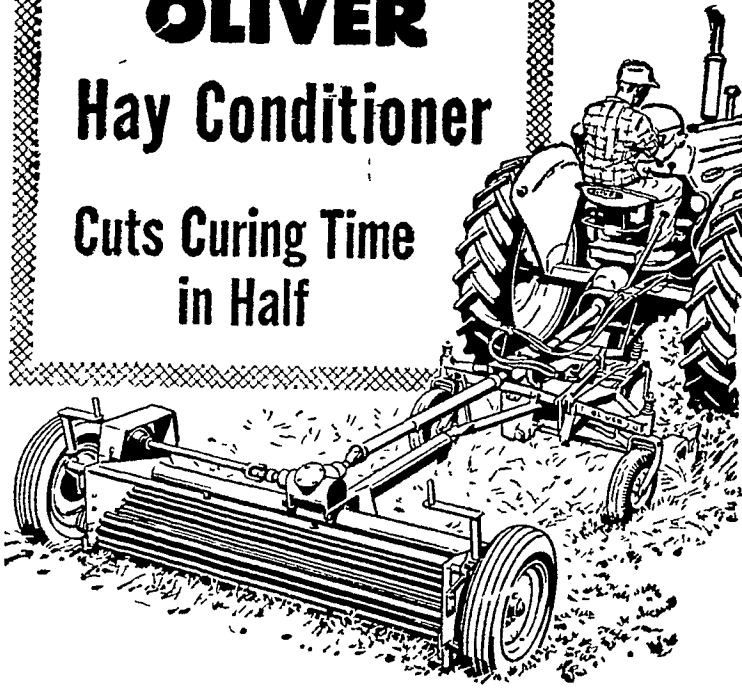
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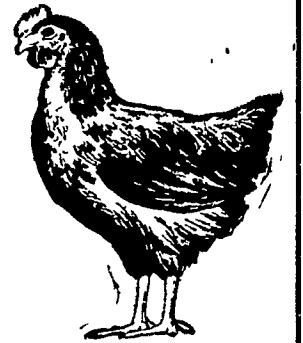
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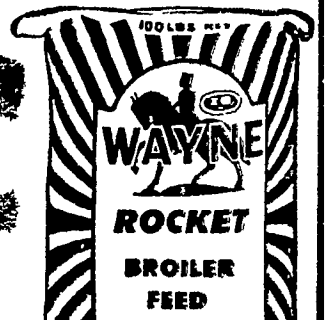
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