

FARM STOCK

Hog-Growing Contests Make Better Breeders

(From the United States Department of Agriculture.)

Hog-growing contests in which the object is to make a litter weigh a ton when six months old have demonstrated the soundness of the recommendations on breeding, feeding and management which have long been made by the various state department stations and the United States Department of Agriculture. In one of these contests conducted last year by the Indiana Live Stock Breeders' association 555 farmers enrolled and 33 of them raised 96 litters which weighed 2,000 pounds or more at the end of 180 days.

The important facts for pig producers to remember, says E. Z. Russell, in charge of swine investigations for the United States Department of Agriculture, is that all of the winning litters were farrowed and suckled in clean quarters; all were sired by purebred hogs; 28 of the dams were purebred; 6 were high-grades and 2 cross-bred; none of the 36 litters contained fewer than 10 pigs; and all of them were farrowed by old sows. On the average, therefore, the pigs in these record litters weighed 200 pounds when they had reached the tender age of six months.

Many states are holding similar contests this year, says the department, and it is expected that the results will make a large number of converts to the principles and practices of better breeding, feeding and care, not only for hogs, but for all kinds of farm animals.

Horses Are Annoyed by Botfly Pest in August

During August, horses are annoyed to a considerable extent by the presence of botflies. These flies are about the size of honeybees, and are most annoying to horses' legs.

Botflies deposit small yellow eggs, and cement them to hairs at the time they are laid. During the late fall and early winter the eggs enter the horse's stomach, and later the eggs hatch in the stomach, and develop into the larval form known as bots. They attach themselves to the lining of the stomach, where they remain and consume some of the nutriment that should nourish the horse. During late spring and early summer the bots pass out in the manure. They at once burrow into the ground, where they undergo changes in their life cycle, and soon emerge as fully developed botflies.

Bots produce no definite symptoms, neither is there any satisfactory treatment that can be applied. Prevention is easy, and practicable to a considerable extent. Every few days during the fall months all hairs should be clipped off that contain eggs of botflies. By thus reducing the number of eggs the number of bots will be reduced.

Pigs on Rape Pasture Require Some Tankage

Tests in hog feeding conducted by W. L. Robison of the Ohio experiment station show an advantage of feeding some tankage as a supplement to corn to pigs on rape pasture. Some farmers have believed that rape pasture alone is a satisfactory supplement for corn.

Pigs weighing 36 pounds and fed a ration of corn 19, tankage 1, parts by weight, for 18 weeks on rape pasture weighed 171 pounds at the end of the experiment.

A similar lot of pigs full fed on corn alone but on rape pasture for 18 weeks made a final weight of 146 pounds.

The average daily gain for the tankage-fed group is 1.1 pounds and nine-tenths of a pound for the lot full fed on corn alone.

The tests show that rape is a valuable pasture for swine, but it will not fully supplement a full-fed ration of corn.

Self-Feeders for Swine Fattening Reduce Cost

Wherever labor can be saved on the farm and results accomplished just as satisfactorily, by all means save the labor. Results of experiments at the University of Missouri College of Agriculture with self-feeders for fattening hogs show that those eating from a self-feeder gain more rapidly than those depending on the hand-feeding methods. The amount of feed necessary to produce a pound of pork remains practically the same, but the amount of labor is usually reduced. It is this decrease in labor which enters as a factor in cheapening the cost of producing pork.

Profitable to Provide Plenty Shade and Water

It is a profitable practice to provide plenty of shade and water for the hogs. While trees furnish the best shade a simple sun protection in the form of a straw or brush roof supported by posts will be satisfactory for this purpose if left open at the sides. The hog is not equipped with sufficient sweat glands for cooling purposes and needs this help during the heat of summer.

IMPROVED ROADS

Scientific Adjustment of Highways Is Needed

Often it is thought that heavy vehicles, carrying heavy loads, are responsible for the deplorable condition of some of our highways. We have seen photographic and other proof of the wrecking of roads, indicating that these roads had been blown up from beneath the surface. We have seen the calamitous condition of pavements smashed by pressure of some kind.

What is the answer? In the fall we find some roads appearing to be models of durability. In the spring they are wrecks. Meanwhile heavy trucks had been driven over them. Could there be a superficially plainer case of cause and effect?

On some stretches of the very road where the collapse of the pavements is most discouraging nothing goes wrong. There the trucks do not crush the concrete or buckle the brick pavements. The loads are precisely the same that are hauled over the other stretches of the road. The same wheels of the same vehicles roll over sections that stand up under the test that roll over the strips that give away.

What, then, is responsible? Is it the weight of the loads or is it the manner in which the road was constructed? Is it the way the builders failed to adapt their work to the conditions they had to deal with?

Matters of soil and drainage, materials and construction methods were not given proper attention.

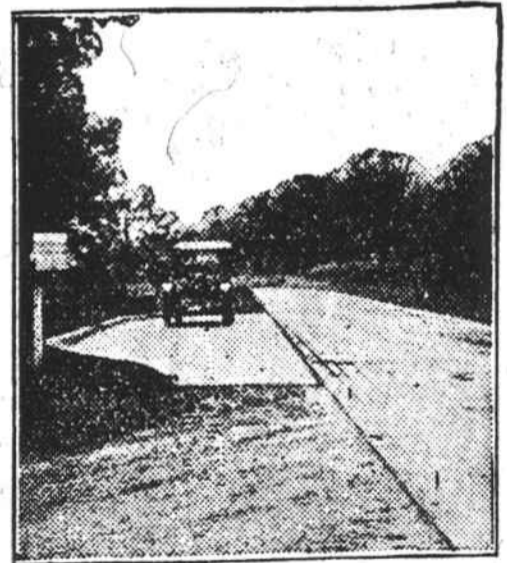
When one road along a sandy ridge, with good natural drainage, comes through a hard winter scarcely the worse for wear at any point, and another road in the same district and the same climate, carrying the same traffic, with the same truckloads, but with spots where the subsoil is wet and there is no natural drainage, is found in a state of collapse after the frost comes out of the ground, what is the logical conclusion? Is it lighter roads or closer attention to drainage and other important features entering into the construction of our highways? Isn't the remedy to be sought in the more scientific adjustment of the highways to the natural changes in the direction of larger vehicle units and more economical transportation on the public roads?

The question is vital to the solution of the whole problem of county highways, their construction and maintenance. It is of immense importance to all producers and consumers. It is a basic transportation problem for America's millions of people who want to do the sensible thing and the right thing by all interested.

One of the gratifying evidences of appreciation of the value of truck transportation throughout the country is the determination of responsible authorities to have real highways, not merely makeshifts. They have profited by experience and realize that to meet the transportation conditions the highways must be constructed accordingly.

Concrete Car Stand Is Big Farm Convenience

There has been considerable complaint in the past from roadside markets, because there is a tendency for motorcars that are stopped to buy



Concrete Car Stand.

the farm produce to block the traffic. S. D. Holderman, near Morris, Ill., not wishing to either discontinue his profitable business, or to be the cause of a traffic jam, had this concrete car stand built with the permission of the state highway authorities.

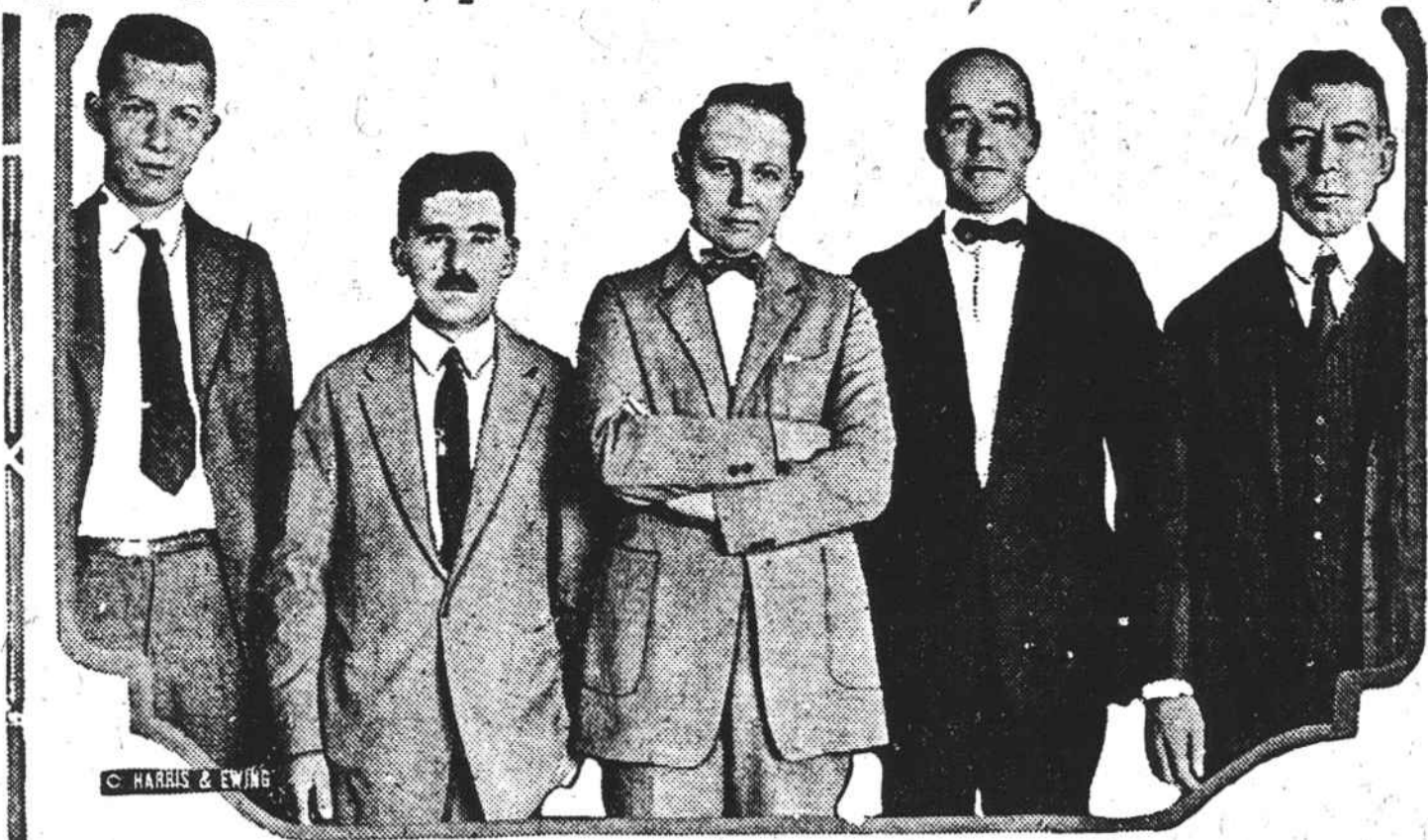
Smoothness in New Road Is Important Requisite

It is now realized that smoothness in the new road is one of the requisites to insure continuous good surface. If the road contractor turns over a road that shows rolls to the slightest degree these rolls mean the ultimate destruction of the road, for they furnish the means for starting the pounding of the heavy motortruck wheels, which eventually break up the surface.

Most Important Thing in Late Hatched Chickens

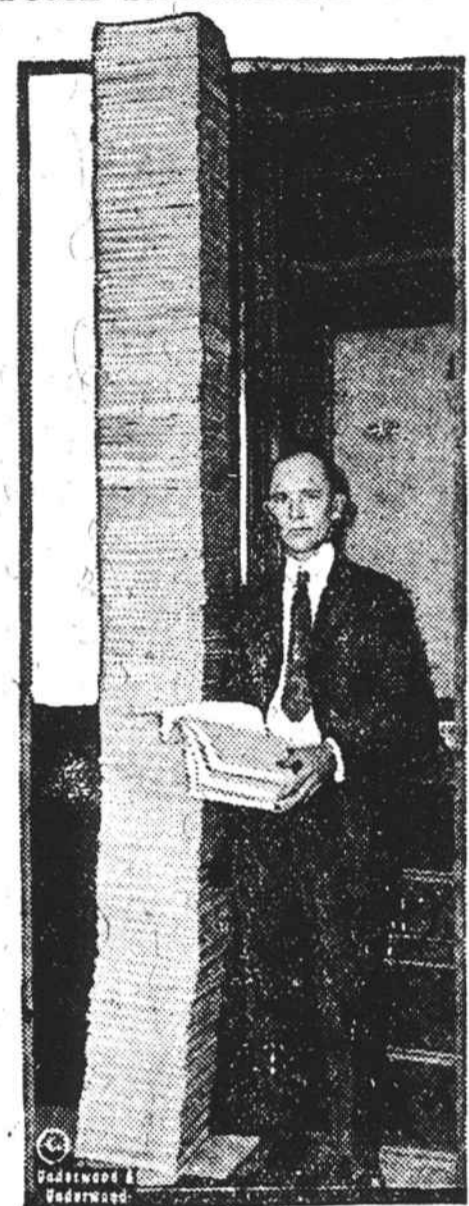
The most important thing in the success of late-hatched chicks costs nothing but labor, feed and water. Neglect giving the growing chicks these essentials, and all the up-to-date poultry quarters, high-grade, feeds, good stock behind the chicks will prove of no avail. Comfortable quarters, plenty of fresh water, shade in some form, coupled with good feed, will go a long way toward making a success with the late-hatched chick.

Plan to Capture World Markets, for America



"We'll sell the world!" said Dr. Julius Klein, director of the bureau of foreign and domestic commerce, shown here, third from left, with his assistant directors as they completed their preliminary work for the 1923-24 Hoover program for making the world America's market place. Left to right, they are: Thomas L. Taylor, Louis Domeratzky, Dr. Klein, O. P. Hopkins and Robert A. Jackson.

SOME SHORTHAND WORK



William M. Day of Washington, president of the Shorthand Reporters' association, standing beside 60,000 pages of shorthand which he personally recorded during the proceedings of the commission for the adjustment of foreign claims in London.



Here is the clay model by Albin Polasek, well-known sculptor, which is to be cast in bronze to adorn Michigan avenue in Chicago. It is called the "Spirit of Music." The statue is sixteen feet high and will be placed on a granite platform five feet high. Polasek thinks music a sexless art and for this reason he has combined in his statue the strength of the male and the beauty and grace of the female form.

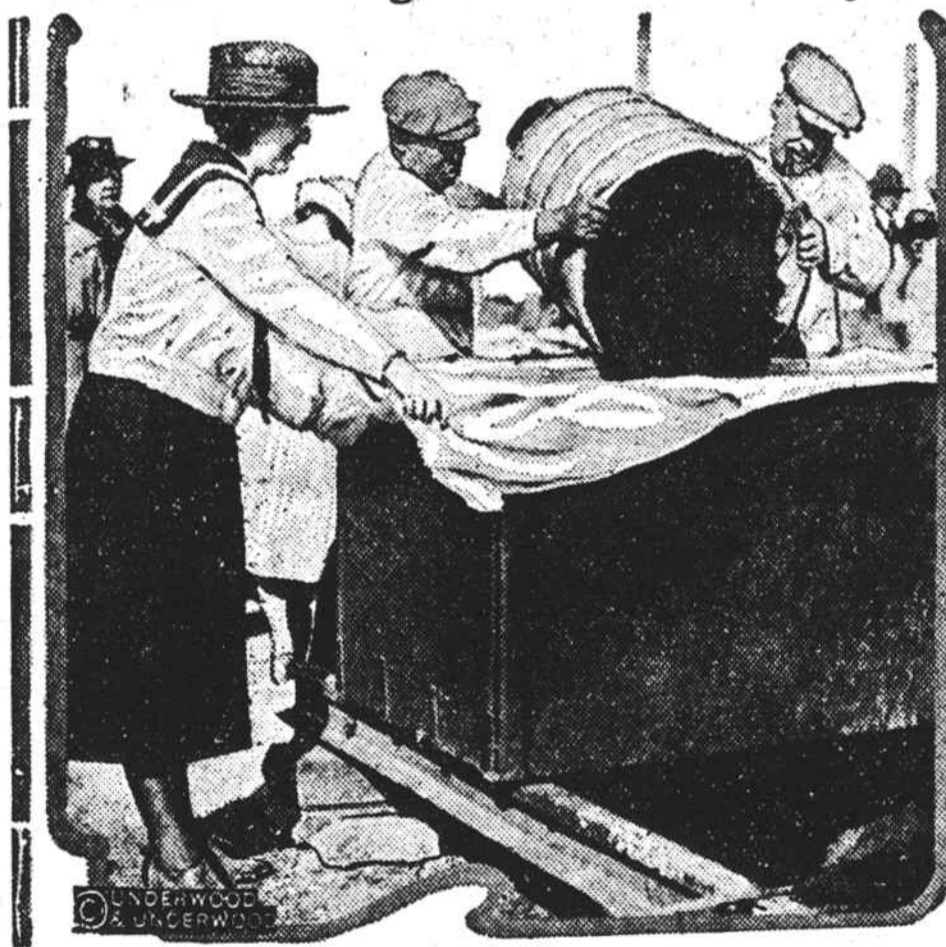
Curious Use for Ice. Up to the present it has been possible to leave only small cavities in concrete, but a big advance has been brought about by a new foreign method. Pieces of ice that correspond to the measurements of the cavity required are embedded in the concrete mass, and small channels are left to allow the water to run off when the ice melts. The process is of particular advantage in reinforcing concrete with iron. The iron parts are not built in during the stamping, but are attached to the blocks of ice before the work is begun. The repeated moistening usually necessary in concrete work is not required in this process, for the melting of the ice makes up the loss by evaporation.

Cherokee Princess Is a Seer



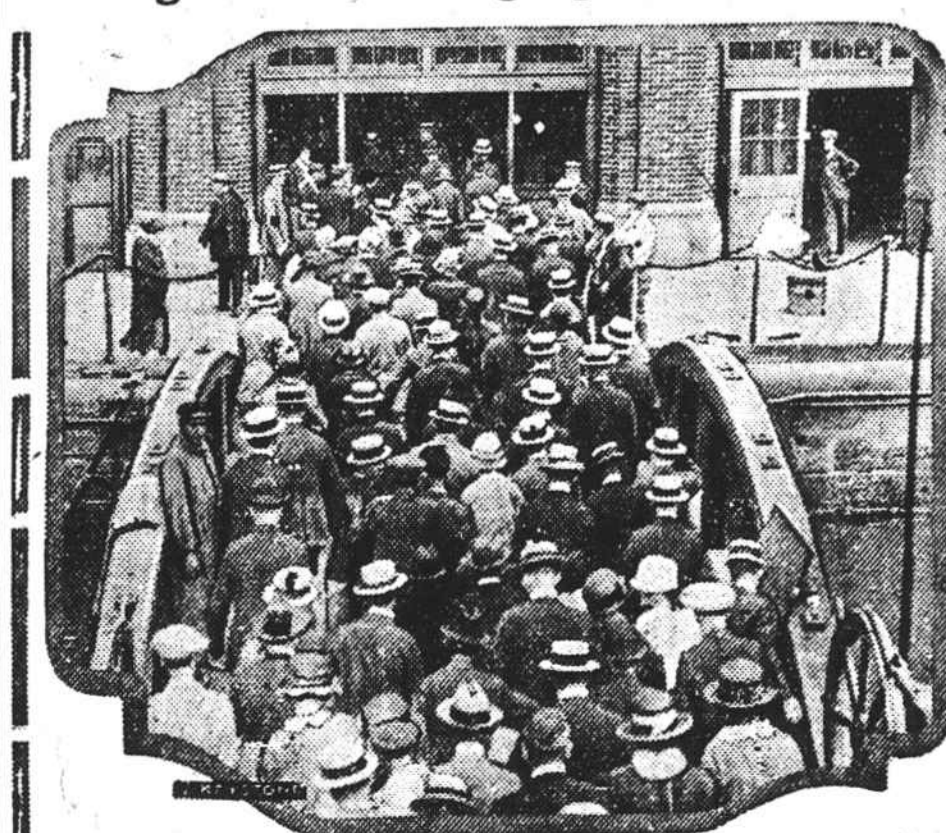
Princess Wahletka, of the Cherokee Indian tribe, who is a halfbreed, her father being a French Canadian and her mother a daughter of Spy Buck of the Cherokees, has just proved before such research workers as Dr. Walter F. Prince, director of the American Society of Psychological Research, Professor Hodge and others, that she possesses peculiar powers of seeing into the future and also delving into the past. Her ability to read minds is remarkable. She is seen here reading the mind of Mrs. John Westfield in New York.

Celebrating Green River Day



Starting with a pageant of the overland trail, in which pioneers, trappers and pony express riders took part, the "Green River Day" celebration at Green River, Wyo., finished with a good old-fashioned western barbecue. This photograph shows "Doc" Frye, famous cook, making coffee for 5,000 assembled ranchers, shippers and railroaders.

Immigrants Thronging Into America



Already the new quotas of immigrants have been filled in the case of most foreign countries, and many will have to return to their native lands. Here are a lot of fortunate ones who have passed the examination at Ellis Island and are going ashore at the Battery, New York.

Summer Find You Miserable?

It's hard to do one's work when every day brings morning lameness, throbbing backache, and a dull, tired feeling. If you suffer thus, why not find out the cause? Likely it's your kidneys. Headaches, dizziness and bladder irregularities may give further proof that your kidneys need help. Don't risk neglect! Use Doan's Kidney Pills. Thousands have been helped by Doan's. They should help you. Ask your neighbor!

A North Carolina Case

D. J. Bryan, 11 First St., Sanford, N. C., says: "My kidneys got out of condition and I had to get up at night to pass the secretions which were highly colored and contained sediment, besides burning in passage. When I bent, sharp pains shot through my kidneys and it hurt to straighten. Doan's Kidney Pills soon rid me of the trouble."



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These Days.

"Dearest, you are the light of my heart; the angel of my life. You are the only woman I ever loved!"
"Darling, you are the best man on earth. And now that we've lied to each other, let's pretend we're awfully happy!"—Richmond Times-Dispatch.

BABIES CRY FOR "CASTORIA"

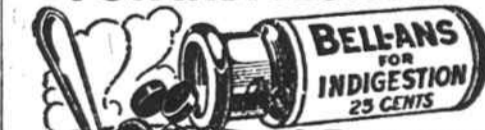
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