

AGRICULTURAL HINTS

YARDS AND PARKS.

Description of an Economical Summer Run for Poultry.

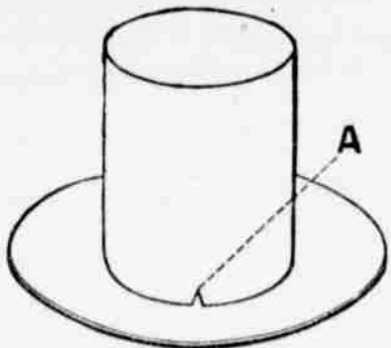
Where fowls are kept in confinement it will be found best to provide outdoor runs or yards for them during the summer months. Give them free access to these yards whenever the weather will permit. The most economical form, everything considered, for a poultry yard is one much longer than wide. Two rods wide and eight rods long is sufficient for 50 fowls. Whenever a poultry plant of considerable size is to be established, it will be found most economical to arrange the yards side by side, with one end at the poultry house. The fences which inclose these yards may be made of poultry netting or pickets, and should be at least seven feet high. In either case it is best to have a board at the bottom, for sometimes it will be desirable to give quite young chickens the run of these yards. If the poultry yards are constructed as described, there is sufficient room for a row of fruit trees down the center of the yard, and still leave ample room for horse cultivation on either side, either with one or two horses.

These yards are to be kept thoroughly cultivated. If thought best, grain may be sown before cultivation to furnish part of the green food for the fowls. Of all fruit trees, probably there are none that are more suitable for the poultry yard than the plum. The droppings of the fowls will manure the trees, and the fowls as insect destroyers perform a great office in protecting plums from the curculio. After the trees are once well established, a crop of plums should be secured nearly every year. These, too, will require no extra cultivation. The plum trees perform a valuable service in providing shade for the fowls. Where trees are not available, sunflowers may be used for this purpose with a considerable degree of satisfaction. However, some protection must be given the plants until they are well established, and even then many plants will be destroyed unless the fowls have an abundance of green food all the time.—Rural World.

WATER FOR CHICKS.

Drinking Fountain Made of an Oyster Can and a Saucer.

A neat and handy device for watering young chicks may be made of an oyster can and a common saucer. Melt the top off the can, cut a triangular notch in the edge as shown at A in the engraving, about one-half inch deep



FRESH WATER FOR CHICKS.

by a quarter of an inch wide, and the device is complete.

To use it, fill the can with water, invert the saucer over it, then quickly invert both and set the device on the floor. The water will remain in the inverted can till used. The water keeps fresh and the space around the can in the saucer is so small that the little chicks cannot get in and wet themselves or drown, as so often happens. The water keeps clean. This is a handy device worth a great deal to poultry raisers.—G. W. Waters, in Journal of Agriculture.

AMONG THE POULTRY.

Do not let ducklings bathe until well feathered.

Do not set hens in the laying part of the poultry house.

In order to have poultry tender and juicy fatten it quickly.

Weight and size are important features in market fowls.

To maintain health keep the drinking and feeding places clean.

Better results in whitewashing will be secured if it is applied hot.

Hens not kept with roosters will lay longer and sit less than others.

If well fed and watered a good hen will hatch out ten good broods of chickens.

Lime is needed by all fowls for the growth of bones and for egg-shell material.

Sell all the early-hatched ducks as soon as ready, and keep the later hatched for breeders and layers.—St. Louis Republic.

Laying Hens Need Eggshells.

The avidity with which laying hens will eat crushed eggshells shows how necessary they are in the hen's economy for egg production. There is no better way to supply the lime required for eggshells than this. The shells in the gizzard also act as grit, enabling it to digest food. The only care in feeding is to crush the shell thoroughly, so that its likeness to the egg may not be seen. Where eggshells are thrown out without being crushed the fowls soon learn the habit of picking at the shells on eggs, and from this they quickly become egg eaters, a habit which once formed is never forgotten.

ABOUT KAFFIR CORN.

Experience Fails to Sustain Many of the Claims Made for It.

Some enthusiasts declare that Kaffir corn is destined to supersede both wheat and Indian corn in Kansas, but the Kansas authorities and the department of agriculture do not sustain this claim.

Kaffir corn, an Egyptian millet, is a sorghum, and as a crop possesses these advantages: The yield is larger by from 20 to 50 per cent. than Indian corn; it will grow and yield a crop—not a large one—on very poor soil; it is injured much less than Indian corn by drought, and even when withered by the hot, dry winds of the prairies, it will recover under moisture.

It forms an excellent food for cattle and pigs. All the experiments, of which many have been made by scientific agriculturists, show that it is inferior in fattening power to either wheat or corn. Nevertheless, as a surer and larger crop than corn, it promises most important results for regions like Kansas and Nebraska, where scorching winds frequently wither the corn and destroy the crop.

As food for man, it is nourishing, wholesome and palatable. But the latest conclusions of the national department of agriculture are that its use will probably be somewhat like that of buckwheat—it will form an occasional rather than a staple article of diet. In nourishing power it stands at 27, where bolted cornmeal stands at 37, wheat flour at 45 and oatmeal at 62.

Heretofore it has been difficult to grind this corn fine enough for use as human food. It is said that this difficulty has been overcome lately. If so, there will soon be an opportunity to test its food value on an extensive scale.—Farmers' Voice.

NEW ROTATION THEORY.

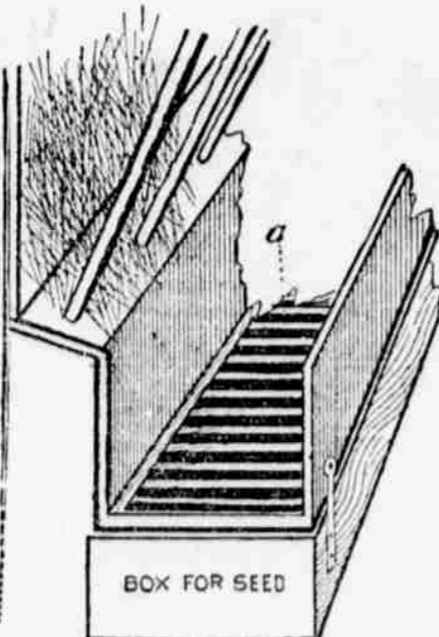
Its Adoption Might Improve the Condition of Western Farmers.

When the farmers of the west see their way clear to abandon the idea of devoting the land to corn as the principal crop and substitute clover, sheep and the sugar beet as the trinity necessary to the redemption of the producers from the depression resulting from low prices for farm products progress will be made towards better conditions. Clover and sheep produce good mutton while enriching the land. Sugar beets are good for sheep and produce the best of sugar at good profit. Let every farmer who can and who has not already done so make a start in this tripartite theory of rotation which is certain of success if properly conducted, in restoring the prosperity which is so much wished for. There is an increasing demand for good mutton, an article which but few farmers know how to produce to perfection. The large profit is only possible where the best is produced for market. Give the people good and desirable food products and consumers will pay liberally for the same. Mutton, if properly grown, is the most nutritious and wholesome of the meat diets. The mutton breeds of sheep are the most desirable and satisfactory of the domestic animals for the farm and can be cared for with the least labor. The profits in sheep are also the most assuring for the future of any of the other domestic animals. Devote less lands to the cereals and prosper.—Farmers' Union.

SAVING GRASS SEED.

The Cut with This Article Explains How It Can Be Done.

It is an easy matter to save hay seed by a slatted manger bottom (a), as



GRASS SEED CATCHER.

shown in the cut. If the seed is fanned, it may be used for spring seeding. Or if weedy, as poultry never void undigested seed, such seeds may be profitably fed to the poultry by placing in the scratch room each week.—Farm and Home.

Guard Against Overfeeding.

It is an easy matter for a poultry raiser to overfeed his fowls. If a flock has the privilege of a range the farmer need give hardly any food at all if grass, seeds and insects are plentiful, yet some who are really careful of their hens feed three times a day, under the belief that the more food the greater the number of eggs, and endeavoring to secure as many eggs as possible they get the hens in a condition that incapacitates them entirely. Heavy feeding of grain is at times an advantage, such as during extremely cold weather, but the food must be regulated not only according to the seasons, but also in accordance with the condition of the hens.—Dakota Field and Farm.

OUTLOOK FOR CATTLE.

An Oklahoma Man Says There is a Shortage of Nearly 5,000,000.

GUTHRIE, Ok., June 21.—Senator D. P. Marum, from the "short grass" country, in discussing the cattle business, said: "I would advise cattle raisers to hold their cattle for still higher prices. While it is true that good steers have a most doubled in value within the last year, yet there is reason for believing that they will go higher. This is caused by a scarcity of cattle all over the United States. In 1880 there was a great and far-reaching demand for range cattle by the big cattle syndicates that sprang up in the northwest. Many British capitalists invested in cattle and ranches. Enormous prices were paid for cattle, and Texas and southern territories were drained. The craze continued until the supply exceeded the demand. Prices began going down. The big ranches had to sell their cattle to meet their obligations. There is a shortage of from 4,000,000 to 5,000,000 head of cattle in the United States, and we must raise them before we can make good the shortage."

TO DRIVE OUT BUTTERINE.

A Union of Western Butter Interests Being Formed.

CHICAGO, June 21.—The creamery proprietors, the butter dealers and the dairy farmers of the big butter producing states—Wisconsin, Illinois, Indiana, Iowa, Minnesota, Nebraska, Kansas, Michigan and the Dakotas—are being formed into a compact fighting organization of not less than 500,000 and possibly more than 1,000,000 voters and vote controllers are being pledged in writing to work unceasingly for legislation that will prevent the coloring of butterine.

It is proposed, before the legislatures of these dairy states meet again, to raise a great fund to drive the butterine manufacturers from their strongholds, and if the industry finds loopholes in state legislation the organization will move on Washington.

W. D. Hoard, of Fort Atkinson, Wis., formerly governor of Wisconsin and president of the National Dairy union, is giving the movement all the benefit of his organizing ability and political acumen.

MAY SOON ABDICATE.

Queen Victoria Said to Be Considering the Step of Resigning the Throne.

LONDON, June 21.—It will readily be understood that the political consequences of the sad physical infirmity which has befallen the queen cannot fail to be highly important to Great Britain, and the statement which follows, although not official, is furnished in response to inquiries by a person who enjoys the confidence of the royal family and who speaks in this matter with full knowledge: "The question of the queen's early abdication is being discussed in the highest circles. Her majesty is stated to be seriously considering the important step of resigning the throne in favor of the prince of Wales soon after the jubilee. Her majesty finds the duties of her position daily becoming more difficult to fill, and she dreads the responsibilities of next week very much, although she is unwilling to disappoint her subjects in the least."

ENAMORED OF A YOUTH.

A Married Woman Driven Insane Through Love for a Man Whom She Scarcely Knew.

SIoux CITY, Ia., June 21.—Love for a man with whom she has never exchanged a dozen words has driven Mrs. Will Lorenz, of this city, insane. The object of her adoration is Fred J. Vetsch, a young man in a local wholesale house, whose father is a prominent coal dealer. Mrs. Lorenz is 25 years of age. She is a handsome woman and has lived comparatively happily with her husband, who is in the employ of the Cudahy Packing Co. They have been married about 18 months and have one child.

FELL ASLEEP ON THE TRACK.

Three Men Run Over by a Freight Train Near Winthrop, Ark.

TEXARKANA, Ark., June 21.—Three section hands who had quit the employ of the Kansas City, Pittsburg & Gulf railroad, and were on their way to this city to draw their pay, became tired and went to sleep on the track two miles north of Winthrop, Ark., and were run over by a freight train. A. M. Franklin was instantly killed, being ground to pieces. Sam Hilton and Cornelius Mosely are not expected to live.

Western Corn Objected to.

WASHINGTON, June 21.—Protests are reaching the state department from Europe about the poor corn sent to various parts of England, Germany and other countries from the United States, and American consuls are reporting that unless a remedy is applied the foreign corn trade will be absolutely ruined. The trouble is thought to be principally with the Nebraska, Kansas and Texas corn crop, which was gathered under bad conditions.

Incurred Rockefeller's Displeasure.

PROVIDENCE, R. I., June 21.—When President Andrews, of Brown university, comes home from his year's sojourn in Europe he will be called to account by the trustees because of his free silver views. The reason for the action of the trustees at this time is probably to be found in the report that President Andrews has incurred the displeasure of John D. Rockefeller, who was on the point of giving the college \$1,000,000 or so.

Ere the Farewell Is Spoken

On the deck of the steamer, or on board the train that is to bear you away from those dear to you, you will, if you are wise, have safely stowed away in your luggage a sufficient supply of that safeguard against illness—Hostetter's Stomach Bitters. Commercial travelers, tourists and pioneer emigrants concur in testifying to the fortifying and saving properties of the great tonic. Use for constipation, biliousness, malarial and kidney complaints and nervousness.

Sunshine and Sadness.

The redbird sings, and the sunshine flings its gold through my window-pane. And a sweet perfume steals into my room, from the roses in the lane. * * * The skies are clear; in the school-yard near, the children romp in glee; the earth is bright in the glad sunlight, but what is it all to me? For, across the way, there is a din to-day, that tortures my weary brain; the maiden fair, with auburn hair, is at the piano again.—Up-to-Date.

Good as New.

Jack Dashing—Why, there is not a new face here to-night.
Penelope—Oh, yes, there is, Miss Made-up's face has just been renailed.—Up-to-Date.

When a fellow carries a corkscrew, it is presumptive evidence that he doesn't use it brushing his teeth.—Washington Democrat.

THE GENERAL MARKETS.

KANSAS CITY, Mo., June 22.	
CATTLE—Best beefs	3 55 @ 4 70
Stockers	3 75 @ 3 80
Native cows	2 00 @ 3 25
HOGS—Choice to heavy	3 10 @ 3 30
SHEEP—	1 75 @ 3 75
WHEAT—No. 2 red	84 @ 85
No. 2 hard	71 @ 72
CORN—No. 2 mixed	22 @ 22 1/2
OATS—No. 2 mixed	16 1/2 @ 18
RYE—No. 2	27 @ 29
FLOUR—Patent, per sack	2 40 @ 3 00
Fancy	3 70 @ 3 90
HAY—Choice timothy	8 50 @ 9 00
Fancy prairie	7 00 @ 7 50
BRAN (sacked)	37 @ 38
BUTTER—Choice creamery	11 @ 12 1/2
CHEESE—Full cream	10 1/2 @ 11
EGGS—Choice	6 @ 6 1/2
POTATOES	40 @ 50
ST. LOUIS.	
CATTLE—Native and shipping	4 50 @ 4 90
Texas	3 00 @ 3 30
HOGS—Heavy	3 00 @ 3 35
SHEEP—Fair to choice	3 25 @ 4 00
FLOUR—Choice	3 10 @ 3 20
WHEAT—No. 2 red	84 @ 85
CORN—No. 2 mixed	22 1/2 @ 23 1/2
OATS—No. 2 mixed	18 @ 18 1/2
RYE—No. 2	32 @ 32 1/2
BUTTER—Creamery	14 @ 14 1/2
LARD—Western mess	3 52 1/2 @ 3 60
PORK	8 30 @ 8 00
CHICAGO.	
CATTLE—Common to prime	3 80 @ 5 00
HOGS—Packing and shipping	3 37 @ 3 42 1/2
SHEEP—Fair to choice	2 25 @ 4 20
FLOUR—Winter wheat	4 20 @ 4 40
WHEAT—No. 2 red	74 @ 77
CORN—No. 2	25 @ 25 1/2
OATS—No. 2	18 1/2 @ 23 1/2
RYE—No. 2	33 @ 34
BUTTER—Creamery	11 @ 14 1/2
LARD	3 62 1/2 @ 3 65
PORK	7 40 @ 7 45
NEW YORK.	
CATTLE—Native steers	4 50 @ 5 15
HOGS—Good to choice	3 95 @ 4 30
WHEAT—No. 2 red	75 @ 75 1/2
CORN—No. 2	28 @ 28 1/2
OATS—No. 2	22 @ 22 1/2
BUTTER—Creamery	11 @ 15
PORK—Mess	7 50 @ 8 00

GROVES



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