

URGE BEST EGGS FOR INCUBATING

Those From Vigorous Breeding Stock Necessary in Order to Get Strong Chicks.

FREE RANGE OF IMPORTANCE

One Vigorous Male Will Take Care of From 8 to 12 Hens of General-Purpose Class and 12 to 15 of Smaller Breeds.

(Prepared by the United States Department of Agriculture.)

Fertile eggs from vigorous stock are essential in good hatching. They are obtained only from stock properly mated and kept under the best possible conditions to secure health and vitality. Eggs from overfat breeding stock do not usually produce many strong chicks.

If breeding birds are confined, they should be fed a varied supply of grains, meat, and green feed. The green feed helps to keep fowls in good breeding condition, say poultry specialists of the United States Department of Agriculture. Free range is usually important in the production of hatchable eggs, as it is much easier to keep up the vitality of stock handled in this manner than in birds that are yarded.

From 8 to 12 females of the American or general-purpose class and 12 to 15 of the Mediterranean class can



The Right Kind Are Uniform Eggs.

be mated with one male, depending on his age and vitality and where the fowls are yarded, but this proportion may be increased where the birds have free range. Good ventilation in the house is a great help in keeping the stock in good breeding condition.

Should Select Uniform Eggs.

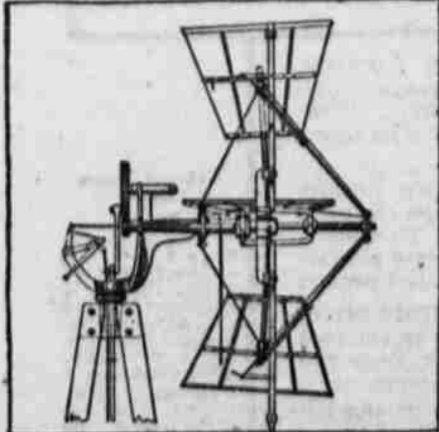
Abnormal, small and poorly-shaped eggs should be discarded. Do not set eggs which have thin or very porous appearing shells. Eggs should be set when fresh, if possible, and it is not advisable to use eggs for hatching which are over two weeks old, although stale ones frequently hatch. Selecting uniformly large eggs of the same color is one of the quickest ways to secure uniformity in the offspring and increase the size of the eggs. It is well to clean dirty eggs by rubbing lightly with a damp cloth, taking care not to rub off any more of the natural bloom of the egg than is necessary. Duck eggs usually require washing, which does not appear to injure their hatching qualities.

Eggs for hatching should be collected two or three times a day in freezing weather to prevent chilling. Broody hens allowed to sit on eggs in the laying nests all day may hurt the hatching qualities of the eggs. For convenience in handling, eggs, in large numbers, are generally kept in a cabinet or turning rack, in a room

IMPROVEMENT OF WINDMILL

Means Provided for Constructing and Connecting Blades With Operating Mechanism.

The Scientific American in describing an improvement on a windmill.



A View in Side Elevation With Certain Blades Removed for Clearness. The invention of O. Olsson of Ord, Neb., says:

where the temperature is between 50 and 60 degrees F., if possible, although they will stand wider variation. It is not necessary to turn eggs kept only for a few days, but this should be done daily with those over a week old. Various commercial turning devices are sold by poultry supply companies, or the eggs may be kept in cabinet drawers and shuffled about with the hands by removing a few eggs from the trays. Commercial egg cases sometimes are used for holding the eggs for hatching.

Eggs from different varieties of the same class of poultry may be incubated together, but it is not advisable to mix eggs from the Mediterranean or egg breeds, such as Leghorns and Minorcas, with Plymouth Rocks or Orpingtons, as the eggs from the smaller breeds often hatch a little earlier than those from the larger breeds. Neither the hen nor the incubator will hatch strong chickens from weak germs or from eggs which have not received proper care.

MILO VALUABLE FOR FEEDING ALL STOCK

Rapid Increase in Acreage in the Past Few Years.

Best and Surest Way to Improve Crop is for Each Farmer to Select Seed and Give Plant Good, Clean Cultivation.

(Prepared by the United States Department of Agriculture.)

Milo has long since passed the experimental stage as a farm crop in the southwestern United States, according to Farmers' bulletin No. 1147, recently issued by the United States Department of Agriculture. This is shown by the rapid increase in its acreage and value in the past 19 years. From approximately 25,000 acres in 1899, valued at \$200,000, the crop had increased in 1918 to 1,205,000 acres, valued at \$21,300,000, nearly fifty-fold in acreage and more than one hundred-fold in value. The increase in acreage in the ten years from 1909 to 1918, inclusive, has been rapid and substantial, totaling about 900,000 acres, with an added value of \$18,400,000.

Milo has not yet reached its economic limits in either acreage or production. These, it is said, should increase still further as the value and the adaptation of the crop are more generally understood. Many acres of land in the district where milo is adapted that are now used or devoted to other less profitable crops may be used to advantage by growing milo. The best and surest way to improve the crop is for each farmer to select his seed, prepare a good seedbed, and give the crop good, clean cultivation. Milo is used for feeding all kinds of stock. It may be used either as a grain ration or a roughage ration for horses and cattle. The use of the crop for silage is increasing. The grain is also used as food for man, milo meal being said to equal cornmeal either for separator use or in combination with wheat flour.

Detailed information concerning the varieties of milo and their proper cultivation, harvesting, storing and uses, are contained in a new bulletin, which may be had upon request of the United States Department of Agriculture at Washington, D. C.

Best Rotations.

Rotations making use of a grass crop after grain, with a cultivated crop following the grass, continue to give best results.

Advantage of Cowpeas.

Cowpeas furnish a pasture crop during a period of the year when such forage can be used to the best advantage.

An object of the invention is to provide means for constructing and connecting the blades or vanes of a windmill with the operating mechanism. A further object is to provide means for preventing the windmill from becoming forced out of operation by a sudden blast of air. The windmill is so mounted as to obviate the necessity of a regulating vane, and is entirely automatic in its action.

HELPS BLUE GRASS PASTURE

Drilling in Mixture of Red Clover, Alsike and White Clover Seed Increases Yield.

In the case of rough blue grass pasture land which has always been in pasture and which should never be plowed, it is possible to get a little more feed per acre by going on the land in late March or early April with a disk drill and drilling in a mixture of red clover, alsike and white clover seed. In some cases it helps a great deal to go on with a disk harrow and tear the pasture up thoroughly.



STOLEN FRUIT

IN THE next yard to where Mrs. Pig lived with her five piggle children was an orchard and on the ground the five piggles could see when they peeked through the cracks in the fence heaps of apples, and though their mother told them they were green and not fit food for even a pig the piggles looked at them with longing eyes.

Billy Pig was smarter than his brothers, and so more often got into trouble, for his brothers were content to eat warm porridge for their dinner and then go to sleep with their mother, but Billy Pig was not.

He always slept with one eye open.



and as soon as his mother and brothers were sound asleep he would open the other eye and jump up.

Then around he would look for something to do which he couldn't when his mother was awake.

He had often looked through the cracks in the fence at the apples in the next yard; but one day, to his surprise, he found he could squeeze himself part-way through, far enough to reach the fruit.

It did not taste quite so nice as he had expected it would, but all piggles think stolen fruit sweet, and after he had eaten one or two he began to like the green apples.

There were plenty within his reach.

HOW DO YOU SAY IT?

By C. N. Lurie

Common Errors in English and How to Avoid Them

TO RAISE" CHILDREN.

GRAMMARIANS generally are agreed that it is not correct to apply the term "raise" to the rearing or education or bringing up of children. The verb "raise" is applied with propriety only to crops or cattle, never to human beings. "She raised a family of eight children," says a charity report; it should have said, "She reared" or "she brought up." The Standard dictionary ridicules the expression, attributed to a Southern county, "She raised thirteen head of children."

The term "brought up" is the more modern of the two; the term "reared" is older. The misuse of the term "raised" is a colloquialism that is common in some of the Southern and Western states.

Some authorities criticize the use of the verb "grow" in connection with crops, asserting that we should not say, "We grow wheat on our farm," but should say, "We raise wheat."



THERE IS MANY A CRACKED OLD NUT WITH A FINE BUG IN IT

and he ate and ate, never thinking of stopping until his mother, awakening from her nap, saw his hind legs, and jumped up with a grunt.

Then Billy Pig tried to jump, too, but to his surprise, though he wiggled and squirmed, he could not move.

He had eaten so many apples he could not get back through the hole, and though his mother poked and pulled, he was held fast.

Such squealing and grunting never was heard. The brother piggles did the squealing, though none of them could out-squeal Billy Pig, and Mrs. Pig grunted until the farmer came running to see what had happened.

He tried to pull Billy Pig out by the hind feet, but it was no use, and he had to call the hired man to help before the boards could be pried apart and Billy Pig set free.

Such a scolding as his mother gave him he had never had before, and he was glad to creep into his bed without his supper, but he did not sleep, for green apples are not good for even pigs to eat, just as his mother told him, and Billy Pig had such a pain and cramp that he never again wanted to eat green apples.

(Copyright.)

Marguerite Armstrong



Marguerite Armstrong is regarded as one of the most charming women in the "movies." She is an unusually dainty blonde, and well liked because of being of the especially refined and pretty type. She has been playing the leading role in a recent popular production.

BEAUTY CHATS

By EDNA KENT FORBES

AVOIDING CATARRH

A WOMAN wrote to me recently and said she had suffered from catarrh for many years and was getting gradually deaf. She wanted some remedy, and asked if catarrh was curable. I gave her all the advice I could, but such cases of course, become too serious to be handled by one whose specialty is general health and looks, and I told her to go to a physician.

For catarrh is curable, and anyone who suffers from the least trace of this annoying affliction should start at once to cure themselves. If possible, they should go to a high or dry climate and live where fir and pine trees grow thick, since nothing is more effective than breathing the pine-scented air every day. If for any reason this is impossible, they should plant

cases need a different form of treatment. Though living among the pines will cure anyone, they say. The principle is to keep the throat and nose clean, to kill the poisonous formations, and so, to build up a stronger throat.

(Copyright.)



J USA between you and me no for spreada round I gotta keetle suggest. I tella you somating bouta wot ees go on een deesa Washington da capital U. S. A. place.

I tella one my frien bouta hard time I gotta for see da Pres. He say da Pres was gonna start speaking tour and mebbe was too busy for see me.

I aska my frien wot's matter ees da Pres gotta trouble weeth Mrs. Pres and no speaka to her. You know, I no lika dat way and I feela sorry eef he gotta trouble weeth da family.

My fren say, "Wot's matter you, Pietro, da Pres he no gotta trouble weeth da family. Wot for you tink?"

I say, "well you jusa tella me da Pres was gonna start speaking to her so how you tink I know wot for ees da quarrel."

You know, I unerstanda gooda Engleesh so moocha my frien, but he say I was meestake. He tella da Pres was gonna starta speaking tour. I tella heem eef I was Pres and I gotta trouble weeth da wife I starta speaking to her jusa for general principle. You know everybody gotta trouble somatime weeth da wife. But I tink da Pres gotta righta idee deesa time. Wot you tink?

A LINE O' CHEER

By John Kendrick Bangs.

THE OASIS.

THEY say the World has gone to pot Because of all the saffron lot Of Bolsheviks And other tricks That keep us all in water hot.

But as for me, I'll not despair Despite Earth's burdens and its care While I can hear The laughter clear Of little children everywhere. (Copyright.)



JUST THAT.

What has he been doing since he graduated from college? He has been trying to find out what he learned.

How It Started



LIBRARIES.

THE forerunner of the modern libraries were the collections of manuscripts and clay tablets which the ancients made. The literary library of Ashurbanipal at Nineveh dates back to 688-626 B. C. Other libraries and collections of Archives have been discovered at Nippur, Babylon, Larsa, Eveh, and other lost cities. Some of these seem to date back to almost 2000 B. C.

(Copyright.)

Votaries Attend to That. History repeats itself, but gossip doesn't have to.—Boston Transcript.