

POULTRY FACTS



FOR SECURING FERTILE EGGS

Strong, Vigorous Male Birds Should Be Used and Inbreeding Avoided—Cull Sickly Hens.

The first essential is to handle the breeding flock of hens in such a manner as to secure a high percentage of fertile eggs. To accomplish this all small, weak or sickly appearing hens should be removed from the flock and only eggs from strong, vigorous, healthy hens should be used for hatching. The flock should be allowed con-



Buff Orpington Male.

siderable range if this is convenient, though extensive range is not necessary to secure fertile eggs. If the hens must be confined in small quarters, green food or meat meal must be used in the ration and the hens must be compelled to scratch in clean litter for part of their feed in order to insure sufficient exercise.

Strong, vigorous cock birds must also be used, and inbreeding should be avoided. For all meat and egg breeds one cock should be allowed for ten hens and for the lighter weight egg-producing breeds one cock bird for every 15 hens.

MAKE PROFIT WITH TURKEYS

More Profitable Side Line Can Hardly Be Found for Those Who Are Favorably Situated.

For those who are favorably situated for raising turkeys, a more profitable side line can hardly be found. Given plenty of range where the turkeys can find grasshoppers and other insects, green vegetation, the seeds of weeds and grasses, waste grain,



White Holland Turkey.

acorns and nuts of various kinds, the cost of raising them is very small and the profits large.

Grain and stock farms are particularly well adapted to turkey raising, and it is on such farms that most of the turkeys are found.

Little has ever been done in the way of raising turkeys in confinement, and where it has been tried the results have been discouraging.

Plenty of range is essential to success in turkey raising.

CAPONIZE BIRDS FOR MARKET

Rhode Island Reds, Plymouth Rocks and Brahmans Make Best Capons—Dress in "Style."

(By M. E. DICKSON, Wisconsin Experiment Station.)

Don't sell late chickens cheap; caponize them.

Capons sell in winter at from 25 to 30 cents a pound.

Rhode Island Reds, Plymouth Rocks and Brahmans make the best capons.

Keep fowls without food 24 hours before caponizing.

Be careful to cut away from, and not toward, the backbone when making the incisions.

Always dress capons in "style"—leave feathers around necks, backs, on wing tips and end of the tail.

Dry-pick capons to get the best results.

Ship capons in dozen lots; they bring better prices.

INJURY BY LEAF ROLL

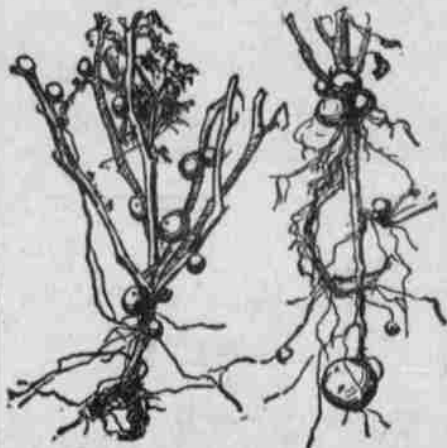
Better Seed Stocks Offer Best Means of Control.

Where Disease Has Appeared This Season It is Wise Precaution to Import Seed From Other Sources for Next Crop.

(By W. ORTON.)

No measure offers more hope of success in controlling leaf roll than the use of better seed stocks. Three means may be used to bring this about: First and simplest, the importation of seed potatoes from districts where the disease is unknown. This affords relief, but may not greatly raise the standard of quality. Second, hill selection, to pick out from weak varieties strains that will withstand the disease. This has been done already by Von Lochow, who took several types from the variety Professor Wohltmann and bred them in pure lines. The result was that certain of these pure strains showed susceptibility to leaf roll, while others remained entirely or nearly free from it. Third, new varieties may be bred from seed. This, while requiring the most time, may be the best means for meeting the requirements where whole districts are attacked, as in the Colorado outbreak a few years ago. That such good varieties can be produced one can hardly doubt after seeing the collection of the agricultural department of over 10,000 seedlings with its infinite variety of disease-resistant qualities.

It is the prevailing opinion of European investigators that leaf roll is inherited—i. e., that the tubers from diseased hills will produce diseased progeny. Cases are cited where the first crop after the appearance of the



(A) Plant Showing Aerial Tubers Caused by Leaf Roll—(B) Plant Affected by Leaf Roll, Showing Tendency of Tubers to Cluster at the Base of the Stem.

disease was normal, but later harvests fell to nothing. No reliable results are available in this country. Conflicting reports come from farmers in the Greeley section of Colorado; but, as no pathologist accustomed to the diagnosis of leaf roll saw either crop, the relative amount of disease in home-grown and outside seed remains unknown.

It seems a wise precaution to use only selected seed from such sources as Minnesota and Wisconsin for planting next year where leaf roll has occurred this season. It may be that the disease will not appear on crops from home seed, but the chances are that it will.

USE REPELLANT FOR GAD FLY

Mixture of Tar and Lard on Nose of Sheep Is Recommended—Keep Animals in Dark Barn.

In the summer or early fall the egg of the gad fly is laid that causes grub in the head of sheep. A fly does the work, and the best way to prevent the grub is to prevent the egg being laid. A mixture of tar and lard smeared on the noses of the sheep herds repels the fly. This may be done on a large scale by forcing the sheep to take their salt out of auger holes made in logs or in boxes provided for the purpose, in fly season. Then keep these holes smeared with the tar and lard. It also helps to have a dark barn where the sheep can stand during the day, as the fly will not bother them much in there.

LAND RESTED AND IMPROVED

Old Notion About Crop of Timothy Is Erroneous—Plant Food Is Taken More Slowly.

It is an old notion that land seeded to timothy, even though the crop be removed, is being rested and improved. This, however, is not true in any other sense than that a horse that has been driven rapidly may be considered as being rested by being driven more slowly. That is to say, timothy removes the plant food from the soil more slowly than does corn or wheat because a smaller amount of plant food is required to make the crop.

PLAN FOR SHOCKING WHEAT

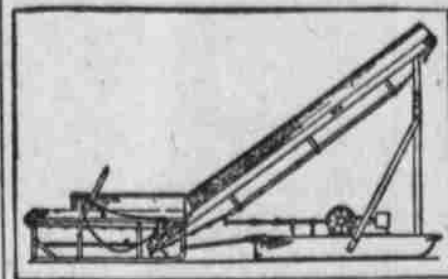
Tops and Buts of Two Bundles Are Spread in Manner to Turn Water and Protect Grain.

Twelve bundles make a good shock. Three pairs of bundles are set in a row against each other. The spaces on the sides are filled by setting two bundles on each side. Then the tops of the bundles are drawn together by "bugging" the shock. The tops and butts of two bundles are spread and put on top of the shock in a way to turn water and protect it.

GRAIN MACHINE IS PORTABLE

Designed to Handle Considerable Acreage With Little Help—Engine Has Flexible Shaft.

Stacking small grain may be a "lost art" in some sections, but in others, especially where the acreage is not too big and the problem not too acute, it is not lost; in fact, it is coming back, and the wet year of 1915, and the resulting low grade and loss of grain has done much to bring it back. For the handling of considerable acreage with little help such a machine as the one shown here,



Unloader and Stacker.

a recent patent of two Oklahoma men, is especially designed, and will immediately appeal to many readers who suffered heavy losses last year. This machine is portable, being set on front and rear trucks. On the rear truck is a horizontal conveyor onto which is pitched the bundles to be carried to the rear truck and then upwards to the top of the stack, or into the barn. An engine is mounted on the front truck in the rear of the stand, this engine having a flexible shaft.—Farming Business.

MOLTING PERIOD IS TRYING

Poultrymen Wishing Winter Eggs Are Anxious to Get Hens Through Ordeal at Early Date.

The annual molt, which starts with the arrival of dog days, is a most critical time in the life of hens. Shedding old feathers and growing new ones comes when the vitality is at a low ebb. In a normal molt about four months are required for a complete change of plumage, the first feathers beginning to fall about July 1. At first the egg production does not materially decrease, but as the process advances the drain on the system increases until the production gradually diminishes toward September 1. Usually egg-laying will not commence again until the new set of feathers is complete.

If, however, the poultryman is fortunate enough to bring his hens successfully through the molt and get them laying by mid-November, the fowls will probably continue to lay throughout the winter. Thus poultrymen wishing to produce winter eggs for markets are very anxious to get their hens through the molt at an early date.

BEST QUALITY IS ESSENTIAL

Margin of Profit Worth Considering in Peach Business—Thinning Is Important Factor.

Peach profits are greatly reduced by the cost of picking and packing and marketing. It is the best quality of fruit that brings the profit and there is really very small chance to make a profit on any other kind of peaches. It costs more to pack a basket of small fruit than it does a basket of large specimens as there are more to handle. The same thing applies to picking. The package costs the same regardless of the quality of the fruit. There is no difference in the shipping cost of a basket of culls and a basket of fancy fruit. It follows that it is the margin of profit which is worth considering in the peach business the same as in any other business. It is not the cull that pays and thinning is the most important factor in eliminating the cull peach.

CAUSES FOR SCOURS IN PIGS

Quarters and Troughs Should Be Kept Clean to Prevent Trouble From This Source.

Scours in pigs is a symptom of indigestion and is usually caused by too much feed, changing the feed of the sow, dirty pens or chilling the sow in cold rains or winds. The quarters and troughs should be kept clean with plenty of sunlight and good ventilation to prevent trouble from this source.

If scours should appear in pigs in spite of all precautions, the following treatment is recommended by the Missouri agricultural experiment station: Clean up more thoroughly than before, reduce the sow's feed and give a tablespoonful of sulphur in each feed for several days. It is also well to give the sow a good dose of epsom salts. If practicable, each pig may be given a teaspoonful of castor oil or epsom salts. Charcoal also should be provided.

INTENSIVE METHODS ON FARM

Average Crop of Strawberries Is 1,700 Quarts to Acre—Maximum Placed at 16,000.

Just to show the difference between an average crop and what may be grown under intensive methods, it is stated that the average crop of strawberries is 1,700 quarts to the acre, while the maximum record of production is 16,000 quarts. While this variation is probably much greater than that generally found in other crops, yet no doubt the proportion is not very far from correct in its application to most farm crops, as well as fruit.

BLIND PLEAD WITH INVENTOR

Liquefied Radium Helps to Restore Sight—May Be "Great Discovery."

More than six thousand blind persons, by deputy or directly through the mails, have besieged Ethan I. Dodds, the Pittsburgh inventor of radium screen "eyes," pleading piteously with him to restore their sight.

Mr. Dodds, with the aid of liquefied radium, did succeed some months ago in improving if not restoring the vision of a man who suffered a peculiar visual ailment that had made him blind. Talking of that achievement, the inventor, who already had spent two fortunes experimenting along that line, said he'd give all he could ever hope to possess in this world if he could only promise sight to a few of the blind who had thus appealed to him. But, as yet, he was "only on the edge of a great discovery," and could not, without many added qualities, hope to apply it in any general way to the restoration of sight.

Now Mr. Dodds has received from sightless sufferers more than six thousand pathetic appeals; some of them accompanied by signed checks in blank, saying: "Fill out for any amount you choose, if you can give me back my eyes."—Pittsburgh Post.

"Rile" Rebukes.

The prince of Wales has endeared himself to the British soldiers fighting in the trenches.

There is a story about a regiment that the prince recently reviewed. A soldier in this regiment was noted equally for his bravery and his untidiness. The prince talked to him for a few minutes, and the man in his confusion could stammer nothing but "Your rille 'ighness," "Yes, your rille 'ighness," "No, your rille 'ighness." At the end of the interview the prince said, with a good-natured glance at the soldier's accoutrements disordered as usual: "Very good, my man, very good; but, in future, please, not so much of the rille 'ighness and a little more of the pipe clay."

BANISH PIMPLES QUICKLY

Easily and Cheaply by Using Cuticura Soap and Ointment. Trial Free.

Smeare the pimples lightly with Cuticura Ointment on end of finger and allow it to remain on five minutes. Then bathe with hot water and Cuticura Soap and continue some minutes. This treatment is best upon rising and retiring, but is effective at any time.

Free sample each by mail with Book. Address postcard, Cuticura, Dept. L, Boston. Sold everywhere.—Adv.

Hammers.

The famous hammers of history, among warriors and saints, are Pierre d'Ally, hammer of heretics, who presided over the council which condemned John Huss (1350-1425); Judas Asmonaeus (Maccabaeus), the Hebrew warrior (B. C. 166-136); St. Augustine, "hammer of heretics" (306-430); John Faber, who wrote a book, "Hammer of Heretics" (1470-1541); St. Hilary (350-368), the "hammer of the Arians, and most generally so named, Charles Martel (689-741).—Philadelphia Evening Ledger.

Intelligent Comment.

Mr. Smith—What do you think of this? They say in some parts where our troops are it is a hundred and more in the shade.

Mrs. Smith—Dear me! Would you suppose it was so much hotter than in the sun?

The man who sits around and boasts of his bravery is usually the first to hike for the tall timber when danger threatens.

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Too Much to Believe.

"The late Bishop Hare," said a Sioux Falls physician, "used, very reasonably, to impute skepticism to misunderstanding."

"He once told me about a Philadelphia business man of skeptical tendencies, who said to him:

"My dear Mr. Hare; I do not refuse to believe the story of the ark. I can accept the ark's enormous size, its odd shape and the vast number of animals it contained, but when I am asked, my dear doctor, to believe that the children of Israel carried this unwieldy thing for forty years in the wilderness—well, there I'm bound to say my faith breaks down."—Living Church.

American Date Trees.

A number of date-palm trees have been brought from Africa to California, where dates are now raised successfully.

The Best Passage.

A somewhat conceited clergyman, who was more celebrated for the length of his sermons than for their eloquence, once asked the late Father Healy what he thought of the one just preached.

"Well, sir," replied the humorist, "I like one passage exceedingly well."

"Indeed, Father Healy, and pardon me for asking which passage you refer to?"

"Well, my dear sir," replied the wit, "the passage I refer to was from the pulpit in the vestry room."

Partners.

Messenger—Who's the swell ye was talkin' to, Jimmie?

Newsboy—Aw! Him an' me's worked together fer years. He's the editor o' one o' my papers!

A homely girl is always pretty in the eyes of the man in love with her.

The Wheat Yield Tells the Story

of Western Canada's Rapid Progress

160 ACRE FARMS IN WESTERN CANADA FREE

The heavy crops in Western Canada have caused new records to be made in the handling of grains by railroads. For, while the movement of these heavy shipments has been wonderfully rapid, the resources of the different roads, despite enlarged equipments and increased facilities, have been strained as never before, and previous records have thus been broken in all directions.

The largest Canadian wheat shipments through New York ever known are reported for the period up to October 15th, upwards of four and a quarter million bushels being exported in less than six weeks, and this was but the overflow of shipments to Montreal, through which point shipments were much larger than to New York.

Yields as high as 60 bushels of wheat per acre are reported from all parts of the country; while yields of 45 bushels per acre are common.

Thousands of American farmers have taken part in this wonderful production. Land prices are still low and free homestead lands are easily secured in good localities, convenient to churches, schools, markets, railways, etc.

There is no war tax on land and no conscription.

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What is CASTORIA

Castoria is a harmless substitute for Castor Oil, Paregoric, Drops and Soothing Syrups. It is pleasant. It contains neither Opium, Morphine nor other Narcotic substance. Its age is its guarantee. It destroys Worms and allays Feverishness. For more than thirty years it has been in constant use for the relief of Constipation, Flatulency, Wind Colic, all Teething Troubles and Diarrhoea. It regulates the Stomach and Bowels, assimilates the Food, giving healthy and natural sleep. The Children's Panacea—The Mother's Friend.

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