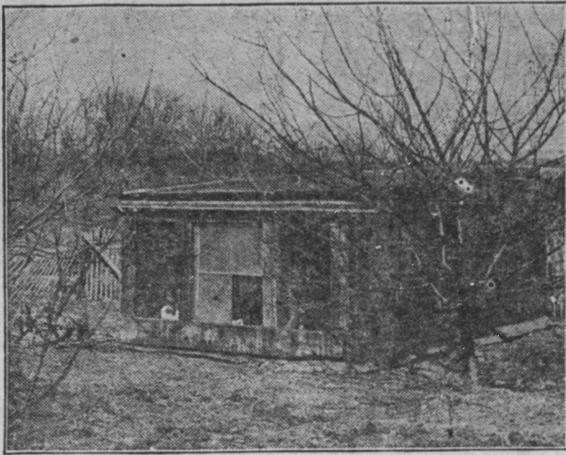


PLANNING FOR EGG SUPPLY IN WINTER



A Good Type of Colony Coop.

When fall is here, and the price of eggs begins to climb upward, with the sure prospect of good prices all winter, then those who have given but little attention to the poultry during the rest of the year will begin to ask "How shall I make my hens lay through the winter?"

It is uphill work to take a flock of hens that have been poorly cared for and are altogether unprepared, and by caring for them after cold weather is already here, get them to laying before spring.

The time to begin preparations for the winter harvest is in the spring, and the start must be made by choosing for the parents of your laying stock only those fowls that are strong and healthy and good laying stock. By this care in selecting the eggs from which to hatch your next winter's layers you give them hereditary tendencies to be good layers and good, strong constitutions to help them develop quickly and enable them to stand the strain of early and heavy laying.

If this has all been done, and the little chicks hatched, then winter eggs or no winter eggs depend entirely on your care for and feeding of these chicks to prepare them for their winter's work.

They must be fed well and a variety of food, so that the whole body will develop properly.

Bone and muscle must keep ahead of the fat, but if only fattening food is given them they cannot grow bone and muscle, so feed them bran and cut oats or oatmeal and cut bone, as well as coarsely ground corn. They must also have food in some form. Good, sweet beef scraps are all right for this, or skim milk will take the place of meat.

Although they should be fed as much as possible to hurry their growth, they must not be fed enough to cause indigestion. They must be given the habit of eating a great deal of food, but must also be given a good digestion with which to handle it.

The ability to assimilate large quantities of food is absolutely necessary for a heavy layer.

As an aid in helping them to digest their food and in growing muscle exercise is very important. If they are



A Prize Winner.

running on range with their mothers they will get exercise enough in keeping up with her, but if they are confined in houses or yards then let them scratch for the most of their food in some light, clean litter or some loose earth.

Keep them supplied with fresh drinking water and chick size grit. Many chicks die or have their digestion ruined because they are not supplied with grit and water.

They must also be kept free from lice. No chick can grow when a swarm of these little pests is drawing the life from its little body.

They must not be crowded in a coop. Overcrowded chicks will not grow well or keep healthy. They must have plenty of fresh air and shade and sunshine, both, so they choose which they please.

As soon as young roosters show red in their combs, separate them from the pullets. Allowing them to run with the pullets will retard the growth of both. If kept by themselves the young roosters will soon be ready to eat or sell, and the pullets relieved of their company will also grow faster.

This is what is needed to make winter layers, a quick growth and an even all around development, so that they

will begin laying before the cold weather. If they begin at this time they will lay all winter, if they are put into a comfortable house before they become chilled in the fall and are given the right kind of care afterward.

I have never failed to raise a flock of good winter layers when I have cared for my pullets in this way.

FUNCTIONS OF FERTILIZERS

Commercial or Artificial Article Is Used to Increase Fertility Above Natural Capacity.

(By C. W. COLVER, Assistant Chemist, Idaho Experiment Station.)

Fertilizers are applied to the soil for two general purposes—to maintain and to increase fertility.

Chief among those fertilizers that are used for maintaining the fertility of the land is barnyard manure. This is its main function, and just as long as the principal constituents of the manure are all derived from the soil it cannot increase its fertility—at best, it can only maintain its fertility.

If, however, the barnyard manure is obtained wholly or in part from external sources it may increase fertility. Two such cases are plainly evident. For example, when the barnyard manure is purchased from town stables, as it is often done for truck gardening near cities, or when it is derived from fertilizing ingredients contained in oil cake or other concentrated feeding stuffs consumed by stock.

The commercial or artificial fertilizers, which have been employed for a good many years, are used chiefly for increasing the fertility of the soil—or, in other words, increasing the productiveness of the soil above its natural capacity. Although this is their leading function, they act as restorative agents whenever they are applied when barnyard manure is withheld.

In general, the restitution of the fertility of the land is accomplished chiefly by the barnyard manure that is returned to the soil during a given crop rotation, and the increase in crops is produced by commercial or artificial fertilizers.

Feeding Corn to Pigs.

The feeding of corn alone to pigs, as is practiced on many farms in this country, has done more than any one thing to reduce the vitality of these animals. Corn alone is not a balanced ration for the hog any more than for any other animal, and it cannot be fed corn alone and be as strong and prolific as though it had had a changed and mixed diet. If it were possible for every breeder of swine to follow these principles, there would, in a short time, be no need of a serum for quelling the ravages of hog cholera.

Test With Pigs.

In a feeding test with eighty pigs, last 160 days, on a ration of corn chop, buttermilk and barley, and sorghum forage, conducted at the Oklahoma station, the average daily gain was 51 pounds as compared with a gain of 1.22 pounds on corn chop and buttermilk.

A lot of hogs turned into a field of corn yielding at a rate of only 17 bushels per acre made a gain of 1.3 pounds per head. Estimating the value of the grain at seven cents per pound, the hogs returned a value of 63.15 cents per bushel.

Mixing Feeds.

A few years ago some one asked for an easy way to mix feed in water for hogs. Here is a good way: Set a barrel over the end of a V-shaped hog trough, the barrel is as near to water supply as possible, and bore an auger hole in the bottom of barrel to lead slop to the trough. A stick as long as the barrel and pointed at lower end is used to plug the auger hole. To let the slop run out just pull the stick out. Put in first the amount of water, then mill feed on top and it will be ready by the next feed.

Manure and Moisture.

Manure from the barn lot adds humus to the soil, and humus acts like a sponge, retaining the moisture and making the soil more capable of absorbing more rainfall or holding it longer. Moral: Save and carefully spread all barnyard manure over the fields. Manure properly utilized puts dollars in the farmers' pockets.

THE DOWNFALL OF HUERTA NEAR

His Army in the North Goes to Pieces.

NO MONEY TO PAY SOLDIERS

Oil Companies Cancel Contracts To Furnish Fuel For Railroads. Huerta's Government Will Be Paralyzed.

Juarez, Mexico.—Seven generals of the Mexican regular army are ready to surrender, and the backbone of the Huerta dictatorship in the north has been broken.

A peace commission arrived in Juarez bearing terms of the surrender. The peace commission was headed by Odion Hernandez and came from Chihuahua bearing a proclamation signed by General Salvador Mercado. Huerta's military Governor and commander of the Federal forces in all the north.

The proclamation stated that the Huerta Government was bankrupt and was unable to pay its soldiers.

Generals Not Taking Chances. The generals who have signified through General Mercado, their willingness to surrender, but who nevertheless are feeling to the United States border, are:

- General Salvador Mercado.
- General Pascual Orozco.
- General Jose Ynez Salazar.
- General Marcello Caraveo.
- General Jose Manilla.
- General Blas Orpinal.
- General Landu.

The peace commission proposed to General Villa that all the non-combatants who sought safety by fleeing to the border be permitted to go without being fired upon, and all the Federals, including 200 soldiers left on police duty in Chihuahua City, be pardoned. It also asked clemency for Federal officials.

The peace commission stated that before leaving Chihuahua the Federals destroyed all the postage and Government revenue stamps; that there existed practically no money in the city, and that 2,000 citizens had left with the troops, most of them being those who were rich and who feared harsh treatment by the rebels.

The commission started back for Chihuahua with General Villa's assurances that people of all classes in the city, and including the Federal police, would be protected, and that he would dispatch troops to garrison the place as soon as possible.

Population In Full Flight.

Fleeing over the desert and pursued by rebels, several thousand persons, including some of the richest families in Northern Mexico, who deserted Chihuahua City in fear of a rebel attack, are reported to be nearing the United States border.

EXPRESS REDUCES DIVIDEND.

American Company Feels Effect Of Parcel Post.

New York.—Rivalry between the parcel post and express companies was reflected in the reduction of the quarterly dividend of the American Express Company to 2 per cent. Previously the quarterly dividend had been at the rate of 3 per cent.

ANTI-TRUST MESSAGE SOON.

President To Present Views To Congress After the Holidays.

Washington.—President Wilson's special anti-trust message will be presented to Congress immediately after the holiday recess. Attorney-General McReynolds is expected to testify before the House Judiciary Committee regarding legislation he deems necessary to supplement the Sherman law.

BRUTAL SLAYER HANGED.

Rosario Gygliotti, Who Killed Girl and Sweetheart, Pays Penalty.

Smethport, Pa.—Rosario Gygliotti, perpetrator of one of the most brutal double murders in the criminal history of Western Pennsylvania was hanged here. Gygliotti shot and killed Grace Bigler and her sweetheart, Anthony Kohlen, on the night of December 10, 1911. Jealousy prompted the crime.

36,000 RUSSIAN EGGS.

Importation Admitted Free Of Duty May Cause Lower Prices.

Philadelphia.—Thirty-six thousand eggs were imported here from Russia. They comprise the first of what is expected to be a big consignment to break the egg corner in this city. The shipment was admitted from the liner Graf Waldersee free of duty, and will be sent to local bakers.

TELEGRAPH TICKS

Denver, Col.—Mrs. Loretta Van Pelt, seeking a divorce, says her husband is too kind and that she longs to "lead the sort of life that I have been accustomed to."

York, Pa.—Harvey F. Gipe has invented a machine that sounds an alarm and automatically feeds his big flock of leghorn chickens.

COMMERCIAL Weekly Review of Trade and Market Reports.

Bradstreet's says: "Quieter conditions rule in trade and industry. Unseasonably mild weather has checked demand for winter wearing apparel. Still dry goods and kindred lines report a good volume of orders for quick delivery, and those trades make more favorable comparisons with last year than any other lines. Holiday trade reports are cheerful.

"In industrial circles the tendency has been toward increased quiet, partially because of the continuance of lagging demand for iron and steel and other metals.

"The most important labor trouble of the week, that at Schenectady, involves 6,000 electrical workers, but the trouble is one of unionism and not of wages. The year's strikes to date involve fewer people than a year ago, and the aggregate is far below the maximum of 1903 and other disturbed years.

"Business failures for the week were 279, which compares with 247 in 1912."

Wholesale Markets

NEW YORK.—Wheat—Spot irregular; No. 2 red, 98 1/2 nominal c i f New York, export basis, and 100 f o b afloat; No. 1 Northern Duluth, 97 1/2 f o b afloat.

Corn—Spot steady; old No. 2 yellow, 82 1/2 nominal, elevator domestic.

Potatoes—Steady; European, \$1.25 @1.75; sweets, Southern, 65c @ \$1.

Butter—Creamery, seconds, 24 @ 27c; thirds, 23 @ 23 1/2; held, firsts, 27 @ 29; seconds, 24 @ 26 1/2; thirds, 23 @ 23 1/2.

Eggs—Fresh gathered, extras, 46 @ 48c; extra firsts, 44 @ 45; firsts, 42 @ 43; seconds, 38 @ 41; thirds, 28 @ 37; refrigerator, firsts, 28 1/2 @ 29; seconds, 27 @ 28; thirds to firsts, on dock, 24 @ 28 1/2; State, Pennsylvania and nearby, mixed colors, 42 @ 48.

Dressed Poultry—Strong; fresh killed Western chickens, 12 @ 23c; fowls, 12 @ 18 1/2; turkeys, spring, 10 @ 26.

PHILADELPHIA.—Wheat—Car lots, in export elevator, No. 2 red, spot and November, 93 @ 93 1/2; steamer, 91 @ 91 1/2; No. 3 red, 90 @ 90 1/2; rejected "in," 87 @ 87 1/2; No. 1 Northern Duluth, 97 @ 98c.

Corn—Car lots for local trade, as to location, old No. 2 yellow, natural, 84 @ 84 1/2; old steamer yellow, natural, 83 1/2 @ 84c. Kiln-dried new No. 2 yellow, 81 @ 82c.

Oats—No. 2 white, 46 1/2 @ 47c; standard white, 45 1/2 @ 46c; No. 3 white, 45 @ 45 1/2; No. 4, 43 @ 44 1/2c.

Butter—Western solid packed creamery, fancy, specials, 95 point score, 37c; extra, 33 @ 35c; extra firsts, 29 @ 30c; firsts, 28c; seconds, 24 @ 25c; nearby prints, fancy, 38c; average extra, 36 @ 37c; extra, 36 @ 37c; firsts, 30 @ 33c; seconds, 25 @ 27c; jobbing sales of fancy prints, 41 @ 44c.

Eggs—In free cases, nearby, extra, 43c per dozen; nearby firsts, \$12 per standard case, nearby current receipts, \$10.80; Western extra firsts, \$12 per standard case; firsts, \$10.80; candied and recreated fresh eggs jobbing at 47 @ 50c per dozen; cold storage eggs, per case, extra, \$9.00; firsts, \$8.40 @ \$8.70; seconds, \$7.50 @ \$8.10.

BALTIMORE.—Wheat—No. 2 red spot and November, 93 1/2; December, 93 1/2; January, 95.

Corn—New white corn, 65 and 72 cents per bushel, delivered; new yellow, 70, 72 and 75 cents per bushel; new mixed corn, delivered, at 70 cents per bushel.

Oats—Standard white, 44 1/2 @ 44 1/2c; No. 3 white, 44 1/2 @ 44 1/2c.

Rye—No. 1 rye, Western, domestic, 72 @ 73c; No. 2 rye, Western, domestic, 68 @ 70; bag lots nearby, as to quality, 60 @ 70.

Hay—No. 1, \$18.50 @ 19; standard, \$18 @ 18.50; No. 2, \$17.50 @ 18; No. 3, \$15 @ 16.50. Clover Mixed—Light, \$17; No. 1, \$17; No. 2, \$16 @ 16.50; heavy, \$16.50 @ 17. Clover—No. 1, \$17 @ 17.50; No. 2, \$15 @ 16.

Straw—Straight Rye—No. 1, \$14 @ 16.50; No. 2, \$15.50 @ 16. Tangled, No. 1, \$11.50 @ 12. Wheat—No. 1, \$8.50; No. 2, \$7. Oat—No. 1, \$9.50; No. 2, \$7 @ 8.

Butter—creamery, fancy, 34 @ 34 1/2; creamery, choice, 31 @ 33; creamery, good, 29 @ 30; creamery, prints, 33 @ 35; creamery, blocks, 32 @ 34; ladies, 23 @ 25; Maryland and Pennsylvania rolls, 21 @ 23; Maryland, Virginia and Pennsylvania dairy prints, 20 @ 21.

Cheese—Jobbing lots, per pound, 18 @ 18 1/2c.

Eggs—Maryland, Pennsylvania and nearby firsts, 36c; Western firsts, 36; West Virginia firsts, 35 @ 36; Southern firsts, 34.

Live Poultry.—Chickens, old hens, heavy, 15c; do small to medium, 14; do, old roosters, 10; do, young, 15. Ducks, 13 @ 15. Geese, nearby, 14; do, Western and Southern, 12 @ 13; do, Kent Island, 15 @ 16. Turkeys, young, 10 pounds and over, per pound, 20 @ 21; do, old, 20; do, rough and poor, 12.

Live Stock

PITTSBURGH.—Cattle—Choice, \$8.40 @ 8.65; prime, \$8 @ 8.35.

Sheep—Prime wethers, \$4.50 @ 4.65; culls and common, \$2 @ 3; lambs, \$5 @ 7.40; veal calves, \$10.75 @ 11.25.

Hogs—Prime heavies, mediums and heavy Yorkers, \$7.90 @ 8; light Yorkers, \$7.40 @ 7.70; pigs, \$7 @ 7.25; roughs, \$7 @ 7.50.

CASE OF MAN'S INGRATITUDE

Woman Certainly Had Poor Reward for Her Act of Generous Self-Sacrifice.

George B. McClellan, former mayor of New York, was talking about Thanksgiving.

"The day," he said, "is a good one for a holiday—a good one, for a visit to the seashore.

"I was once walking the Boardwalk in the brilliant sunshine of an Atlantic City Thanksgiving day afternoon, when I saw an overdressed couple come forth from a cafe.

"They were quarreling. Their voices grew louder and fiercer. Finally the man gave the woman a push that actually knocked her down.

"As she struggled to her feet the woman shook her fist at the man, and shrieked: "And this is what I get, is it, for pawnin' the fly screens to give you a day off!"

HEAD ITCHED AND BURNED

604 Greenville Ave., Staunton, Va.—"My head broke out in pimples which festered. It itched me so that I would scratch it till my head got almost in a raw sore. My hair came out gradually and it was dry and lifeless. Dandruff fell on my coat collar till I was ashamed of it. My head had been that way all summer, itching and burning till I couldn't sleep in any place.

"I tried salves but it looked like they made it worse. I got — but it did me no good so I got a cake of Cuticura Soap and box of the Cuticura Ointment and you don't know what a relief they gave me. In two weeks my head was well." (Signed) J. L. Smith, Oct. 28, 1912.

Cuticura Soap and Ointment sold throughout the world. Sample of each free, with 32-p. Skin Book. Address postcard "Cuticura, Dept. L, Boston."—Adv.

A good husband is an asset, but a worthless one is a liability.

Mrs. Winslow's Soothing Syrup for Children teething, softens the gums, reduces inflammation, allays pain, cures wind colic, 25c a bottle.

When a man is most confident he has the world by the tail is the best time for him to be sure of his footing.

Dean's Mentholated Cough Drops effectively drive out colds and stop all throat irritations—5c at Drug Stores.

Both Species. "His manner is dogmatic." "Yes, and his questions are categorical."

As Far as He Got. "Did your barber do anything on your head with that hair restorer?" "Well, he made a bald pretense."

Dubious Praise. "Is your wife solid on cooking, my boy?" "Well, it's pretty heavy."

Cheek. "Your salary isn't enough to support my daughter." "I'm glad you've come to that conclusion so early, sir."

What She Got. "I asked my husband for a little money this morning." "Did you get any?" "Yes, acrimony."

In Another Category. Sapleigh—There goes Miss Roxley. They say she just hates men. Miss Knox—Quite true. Come, let me introduce you. It's great chance.

No Wonder. "Dere's a town over in England where dere ain't a single hobo." "Wot's de name of de town?" "Bath."

Great Little Entertainer. He—Does Tippler's wife entertain a great deal? She—She entertains a great deal of suspicion of her husband.

Auto-intoxication. New Manager (to the quick-lunch owner)—Your checks can only be punched to 50 cents. What if a customer eats more? Owner (fumbling over sandwiches and bargain-counter meals)—In such cases we always call up 6598 Eveningside. It's the nearest hospital.

The Limit. After-standing by for 15 minutes listening to the stream of questions put to a policeman at a busy corner, the woman said:

"Don't you get awfully tired of answering all these fool questions that are put to you hour after hour?"

"Well, rather," said he. "Still, I've got so used to it that there is only one of the lot that makes me actually boil."

"Which one is that?" she inquired. "Don't I get awfully tired of answering all the fool questions that other folks ask?"

"Oh!" said the woman, and hurried on.

"IS YOUR BABY CONSTIPATED?"
Baby's bowels must be regulated properly and by a medicine that is safe.
Dr. Fahrney's Teething Syrup
Has proved itself—mothers know it and babies like it. Used in thousands of American homes. Prevents Cholera Infantum. Best for bowel complaints. Cures Colic in ten minutes. 25 cents at drugists. Trial bottle free if you mention this paper.
Made only by **DR. D. FAHRNEY & SONS, HAGERSTOWN, Md.**

PISO'S REMEDY
Best Cough Syrup, Tastes Good. Use in time. Sold by Druggists.
FOR COUGHS AND COLDS

Her Composition. "Is that servant of yours made of iron?" "No; maid or all work."

Durable. Bix—My lawyer tells me I have a strong case. Dix—He probably means that it is one that will last for years.

Important to Mothers. Examine carefully every bottle of **CASTORIA**, a safe and sure remedy for infants and children, and see that it bears the Signature of **Dr. J. C. Williams** In Use For Over 30 Years. **Children Cry for Fletcher's Castoria**

Remarkable Record. Three generations of a family named Welland have contributed 173 years' service at a farm near Godalming, Surrey, England. William Welland, aged sixty-nine, has worked for 59 years. His father did 60 years' service, and his two sons have done 30 and 24 years.

Something the Public Misses. "They were picked up in the open sea," says the Times, "just after their vessel, the schooner Marjorie Brown, which had sprung a leak, was about to sink." That's the trouble with an un-illustrated paper. The public is deprived of seeing a picture of a vessel just after it is about to sink—New York Mail.

The Knocker. After God had finished the rattle-snake, the toad and the vampire, he had some awful substance left, with which he made a knocker. A knocker is a two-legged animal with a cork-screw soul, a water-logged brain and a combination backbone made of jelly and glue. Where other people have their hearts he carries a tumor of rotten principles. When the knocker comes down the street honest men turn their backs, the angels in heaven take precipitate refuge behind their harps and the devil bar-locks the gates of hell—Missouri Brunswick.

The Typewriter for the Rural Business Man

Whether you are a small town merchant or a farmer, you need a typewriter.

If you are writing your letters and bills by hand, you are not getting full efficiency.

It doesn't require an expert operator to run the L. C. Smith & Bros. typewriter. It is simple, compact, complete, durable.

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Write for particulars. **H. L. Conway & Bros., ROCHESTER, N. Y.** (Established 1875)

MR. RENTER

Do you want to improve your condition? If you are in a position to expend the necessary funds to improve your land we want to talk with you about farms in St. John's Co., Fla. They are in the famous Hastings and Elkton early potato belt where one crop pays for the land. **HARRY W. KEITH, 707 Jefferson Bldg., Peoria, Ill.**

SAVE YOUR MONEY.

One box of **Tutt's Pills** save many dollars in doctor's bills. A remedy for diseases of the liver, sick headache, dyspepsia, constipation and biliousness, a mild, reliable, and effective.

Tutt's Pills

Our pills are rapid sellers. Given by Dr. J. C. Williams for many years. Prepared by **W. C. TUTT, 1732 N. HIGH STREET, SOUTH COLUMBIUS, OHIO**

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