

# INCREASE POULTRY PROFITS BY FEEDING FRESH GARBAGE

### High Costs of Poultry Production May Be Marketedly Reduced by the Judicious Use of Garbage in Feeding Laying Hens.

Fresh garbage, fed as soon as possible after it is discarded from the tables of consumers, provides an efficient feed for poultry. Used judiciously it will reduce the cost of egg and meat production from 25 to 30 per cent.

Cleanliness and sanitation in the preparation, handling, and feeding of garbage are essential, as sour or tainted garbage is particularly obnoxious to chickens, because any fermentation induces digestive disorders and profuse diarrhea. Apparently the intrinsic value of garbage as a poultry feed comes from the fact that it provides a diversified ration which satisfies all the needs and requirements of the flock. It is a big-scale replica of the small feeding operations of the backyard poultry raiser who maintains his birds chiefly on table scraps and leftovers from the family board. Although the character of fact that more succulent vegetables and fruits are used during the summer, the refuse is always a valuable substitute for costly grains and concentrates in the hen dietary.

#### Select Garbage Carefully.

Some poultrymen have experienced unsatisfactory results in the use of garbage because they did not practice careful selection. It can not be expected that the hens will thrive on feed which is contaminated with broken glass, scraps of tin, phonograph needles, and the like, and it is only the owner who will pick over the garbage and eliminate the objectionable foreign matter that will realize profitable and dependable results from its use. The best plan is to try to get the housewife to keep such undesirable material from going into the garbage. Specialists of the United States Department of Agriculture recommended running the garbage through a meat or vegetable chopper and mixing it with a little moist mash before it is placed before the fowls. The amount which is fed will entirely depend on the size of the flock, it being usually advisable to provide as much refuse in the course of an hour. Any feed which the fowls reject should be repens, or yards as soon as possible thereafter. Otherwise it sours and contaminates the premises and, subsequently, if the fowls peck at it during a period when they are hungry, it invariably causes digestive trouble.

Where garbage is fed, it is always essential to supply a light ration of grain twice daily as well as to have a dry mash available in hoppers before the flock all the time. Generally, table scraps are rich in protein, although where the garbage is deficient in this ingredient it is practical to supplement the mash with about 5 per cent of meat meal.

#### Cold Weather Facilitates Feeding.

Generally speaking, there is less danger from feeding garbage in the winter than during the summer as the cold weather prevents rapid decomposition and fermentation of the refuse. Often the suburban flock owner may secure the garbage of neighboring families who do not keep chickens. This source of feed may be so plentiful that he can expand his poultry keeping operations and afford to pay a small amount for the table refuse. Where many uncooked potatoes are present in the garbage, it is usually a good plan to separate them and to cook them before feeding to the fowls. Otherwise they are not well utilized and often induce digestive trouble.

Experiments in feeding garbage at the Government experimental farm at Beltsville, Md., indicate that 30 hens will use about 3 quarts of garbage daily to advantage. In addition, keep a dry mash consisting of 3 parts by weight of corn meal, 1 part of bran, 1 part of middlings, 5 per cent of meat scraps before the hens all of the time. The experiments proved conclusively that where fresh garbage is properly fed a bountiful egg yield results, while economical and rapid meat production is also engendered by the judicious use of garbage in the ration. Ordinarily it is advisable where garbage is plentiful to mix enough supplementary mash with the garbage to give the mixture a good consistency. In case the table scraps contain much fruit and vegetable peelings it is essential to add more mash, while if the garbage is made up chiefly of potato peelings, bread, meat, and the like, less mash is necessary. Special precautions

should be exercised to free the garbage from soapy water or excess liquid, this being commonly accomplished by dipping off and feeding the top of garbage and allowing the excess liquid to remain in the container.

#### Feeds Garbage Freely.

One Southern poultryman who handles about 1,000 fowls reports excellent results from the use of well selected garbage, which he obtains from a large charitable institution. He hauls the garbage twice a day, and feeds it to the birds about 10 o'clock in the morning, and again during the middle of the afternoon, so that the table scraps are fed fresh, only two or three hours after they are discharged from the kitchen. This poultryman feeds the garbage on the grass of the range, in such quantity that the fowls clean up all the refuse. The successful results obtained by this chicken fancier are due largely to the well-selected and thoroughly fresh garbage which is fed. He reports excellent results not only from the feeding of garbage to fattening cockerels and old hens, but also to its use for laying hens and pullets. Even a small number of turkeys which are maintained on this farm are always attentively on the watch for the garbage wagon. The gobblers relish the table scraps keenly and desert tender grasshoppers and nutritious chestnuts as readily as the chickens scamp for succulent alfalfa and well-filled hoppers of mash when the garbage is spread out on the ground.

## REDMOND LODGE OPENS NEW HALL

### KNIGHTS OF PYTHIAS NOW HAVE HOME OF THEIR OWN \$11,500 BUILDING OPENED LAST NIGHT.

REDMOND, Nov. 15.—Comparatively in its infancy as a local fraternal order the Redmond Lodge No. 110 Knights of Pythias have built a home that they can well be proud of. Last night the members of the order celebrated the opening of their new \$11,500 building and lodge room, with a public dance and supper. A two story brick building 70 by 120 feet, the lower floor designed for a garage and the upper floor partitioned into a reception hall, dining room and kitchen to be used by the lodge for their future home, has just reached completion. The building is located on the corner of Sixth street and C avenue, and is one of the foremost architectural structures in the city.

The Knights of Pythias order, though only organized a few years in Redmond, has grown to be the largest and strongest order, both in brotherhood and financially in the city. At the present time a drive is well under way that is anticipated by the order to increase its membership to a strength of 250 members. It is the hope of the Redmond order that during the winter it will be possible to co-operate with the Bend order in a social way and to enjoy many a social function together.

### SHOE STOCK SOLD OUT IN ONE DAY

C. A. Daniels, proprietor of the Electric Shoe Shop on Wall street, purchased a bankrupt stock of shoes from a store in the Willamette valley. The shoes arrived in Bend Thursday, two hundred pairs. Friday he put them on sale in his shop, and advertised in The Bulletin. In three hours from the time the shoes were put on the counter for display the entire stock was sold. This is perhaps one of the most remarkable merchandising records ever known in Bend.

#### This Woman Found Relief.

Men and women suffering from kidney and bladder trouble will be glad to read how one woman found relief. Mrs. G. Hyde, Homestead, Mich., writes: "I had that terrible backache and tired out feeling, scarcely able to do my work. Foley Kidney Pills made me feel like a new person." Sold everywhere.—Adv.

Put it in The Bulletin.

## Bend Legion Post Approves Measures for Law and Order

Percy A. Stevens Post, American Legion, through its board of directors, today endorsed the action of the Legion members of Centralia following the killing of four ex-soldiers by I. W. W.'s, and made public the following resolutions:

"To the Grant Hodge Post of the American Legion of Centralia, Washington, the Percy A. Stevens Post No. 4, of the American Legion of Bend, Oregon sends its heartfelt sympathies for the recent tragedy perpetrated by the I. W. W. resulting in the death of four members of your post.

"The Percy A. Stevens Post commends your post upon your action to rid your community of the undesirable element, whose traitorous acts of last Tuesday have scarcely a parallel in the history of the country. This post believes that your conduct has been fully justified. Your members are martyrs to a better standard of American citizenship for which the American Legion stands, and to obtain it, every means consistent with good citizenship must be employed to rid the nation of the element whose principle aim is to destroy the institutions of American government.

"The Percy A. Stevens Post of the American Legion may be counted upon to lend its force for the maintenance of law and order.

CHARLES W. ERSKINE, Chairman."

## BETTER INDIVIDUALS BOUGHT THROUGH BULL ASSOCIATION

### Every Dairyman in Community May Have Use of Bulls That Are Twice as Valuable as Most Valuable One He Would Be Able to Own Individually.

Bull associations are here to stay. Figures furnished by the United States Department of Agriculture show that there were 78 cooperative bull associations in operation in this country on July 1, 1919, which represents a gain of 34 associations active on July 1, 1918.

Bull associations have proved especially popular in sections where dairying is a comparatively new industry. Many dairymen have been anxious to increase the productivity of their cows, but due to the fact that their herds were small and their resources limited, was often impossible for them to buy and maintain sufficiently good purebred bulls to accomplish this purpose. It is in cases of this kind that the bull association has proved most valuable, says the Department. By organizing the dairymen into an association and working cooperatively the purchase of proved bulls of high producing ancestry is made possible. By using these animals cooperatively a few good bulls can take the place of all the inferior bulls formerly found in the community.

#### Better Bulls—Smaller Investment.

An example of what the bull association can do in improving the type of sires is found in the South Gibson Bull association of Susquehanna County, Pa. This association has 20 members who own a total of 382 cows. Before the bull association was formed there were 13 bulls in the community with a total valuation of \$7,300. After organizing only four bulls were needed and these were purchased at a total cost of \$4,800. The average investment in each of the 13 bulls in use before organizing was \$561.54, but after the association was formed the average investment was \$1,200 for each of the good bulls. In this way each dairymen had the use of bulls that were twice as valuable as the bulls used formerly, and at the same time his investment was \$125 less.

The Southern States have been found especially well adapted to bull-association work. Dairying in those States is making rapid strides, and producers have shown great interest in improved dairy cattle. Twenty of the associations organized during the past year are credited to the South, six associations having been formed in Mississippi, four in North Carolina, three in South Carolina, two each in Alabama, Georgia, and Tennessee, and one in Louisiana.

#### HOW MANY HENS TO KEEP.

The size of the flock which can be most efficiently kept will depend first of all upon the space available and secondly, upon the amount of table scraps or other waste which is available for feed. It is a mistake to try to overstock the available space. Better results will be obtained from a few hens in a small yard than from a larger number. The backyard poultry flock rarely will consist of over 20 or 25 hens, and in many cases of not more than 8 or 10, or occasionally of only 3 or 4. For a flock of 25 to 30 feet should be available for a yard. Where less space is available, the size of the flock should be reduced, allowing on the average 20 to 30 square feet per bird. A few hens are sometimes kept successfully with a smaller yard allowance than this, but if the space is available a yard of the size

indicated should be used.

#### POULTRY BILL OF FARE.

A good mixture for laying hens is 4 parts each of cracked corn and oats and 1 part barley or wheat, if available, which should be scattered in the litter. Provide 4 or 5 inches of good, clean litter.

A dry mash composed of equal parts of corn meal, bran, middlings, ground oats, and beef scrap should be kept in hoppers to which the fowls have access at all times.

Plenty of exercise increases the egg yield.

#### HEN HINTS.

The prime essentials for a small poultry house are fresh air, dryness, sunlight, and space enough to keep the birds comfortable. The fowls should also have as much outside space as possible to run in.

Let the pullets become accustomed to open-front, fresh-air houses early in the fall. Such practice means healthier birds and more eggs when cold weather arrives.

Very few poultry raisers practice a systematic plan of disposing of their fowls after they have ceased to be productive. Don't waste feed on nonproductive hens.

Fowls of the heavier breeds cease to produce a profitable number of eggs at the end of their second laying year. This holds with the lighter breeds at the end of their third laying year.

Provide a box partly filled with road dust or wood ashes, so as to give the hens an opportunity to take a dust bath. It gives them needed exercise and keeps them free from lice and mites.

### Bull Charges Automobile Tail Light

It has always been known that a bull has an antipathy for a red flag, but it has never been known that he also is irritated at the sight of a red automobile tail light until last week when William L. Pyatt, of Redmond was returning to his ranch near Redmond after doing some shopping.

It developed before the grand jury this week in an action brought by W. M. Brown, a well known real estate man of Redmond that Pyatt killed one of Brown's bulls. The facts brought out were that Brown's bull charged the tail light of Pyatt's car and followed him for some distance until Pyatt arrived at his home. Persistent in his efforts to get the obnoxious red light the Jersey bull followed the car into the barn yard. Pyatt went into his house and heard the bull outside his house pawing angrily. Pyatt obtained his rifle and went out doors where he found the bull ready to charge him. Pyatt shot and killed the bull. Brown brought action against Pyatt, but the grand jury brought no true bill against the Redmond rancher.

## What's Doing in the Country.

### KNIGHTS OF PYTHIAS OPEN REDMOND HALL

Redmond, Oregon, Nov. 18, 1919.—The Knights of Pythias gave a dance in their new hall last Friday night, and supper was served by the Pythian Sisters. Quite a large crowd was in attendance, and all voted it a good time. The funds obtained from this dance will be used to help pay for the repair done on the hall this fall.

The Juniper Literary Circle met at the home of Mrs. Max Cuning last Wednesday. The hostess gave a very interesting and entertaining talk on her subject of "Modern Russian Composers." A delightful preliminary was also given by Mrs. Edna Wells. A delicious luncheon was served by the hostess, assisted by Mrs. J. R. Roberts.

Redmond's last inter-scholastic foot ball game was played last Saturday when our team met Prineville on the local field. Our team played a very good game and it is thought that if the season were not over we could well make either Bend or Prineville look after their laurels. The game was a very hard fought one, but ended with the score of 17 to 6 in favor of the visiting team.

Mr. and Mrs. J. Buxton Price returned from their trip to California last week and have been spending several days with Mrs. Price's parents, Mr. and Mrs. P. S. Campbell.

Miss Joyce Robbins returned to Portland Friday night after a two week's visit with her parents Mr. and Mrs. Pete Robbins. Sunday she and Mr. Clinton Wilson of Portland were united in marriage. The bride's many friends in this section wish her every happiness in her new life.

We have been informed that Mr. and Mrs. Claude Kelly of Bend have recently purchased the Victory Theatre and moving picture show from Mr. W. W. Van Matre, and will soon take possession.

Sam Bates returned to Portland last Wednesday, after spending some two months at the home of his parents, convalescing from an operation.

Tryouts for both the high school boys' and the girls' Glee Club have been conducted the early part of this week. It is expected that both Glee Clubs will render some excellent music in the future.

### PINEHURST TO HAVE COMMUNITY DINNER

PINEHURST, Nov. 15.—A reception was given at the Turnalo Hall Saturday in honor of Mrs. Charlie Howell, who will leave Tuesday morning.

F. V. Swisher and Robert Smith were in Bend Wednesday.

G. W. Snyder and Lester were business callers in Bend Wednesday.

Mrs. J. Bollman and children and

## ELKS OPTION A BUILDING SITE

### BABY LODGE PLANS NEW HOME

Location at Foot of Oregon Street With View of River and Mountains Selected—Total Investment \$50,000.

Within a year from the time of organization the Bend lodge of Elks, the baby lodge of the order, will have a home second to none in Elksdom, if present plans mature.

The location of the proposed Elk temple will be at the foot of Oregon street on the property now owned by Ross Farnham and Mrs. George A. Jones. Options have been taken on the Farnham site and on 25 feet of the Jones property. As soon as title complications have been cleared up it is expected that the transfer will be completed for the total purchase price of \$5,000.

Plans have not yet been prepared for the building but the present idea is to construct a temple that, with the site and furnishings, will represent a total investment of \$50,000. At the same time it is expected that the movement for the construction of the Elks resort on the Metolius river will proceed.

The location selected and on which options have been taken is one of the most beautiful in the city commanding a view up the river and toward the snow capped mountains in the west.

Mrs. C. M. Phelps and daughter, called on Mrs. F. V. Swisher Sunday.

E. E. Phelps went to Bend on business Wednesday.

Mrs. Garner is visiting with Mrs. D. L. Ladd, who lives near Redmond. There is to be a community dinner at the Pinehurst schoolhouse Thanksgiving day, and everyone in the community is invited to come.

C. H. Spough and A. E. Winner were business callers at Jess Harter's Monday.

Mrs. C. M. Phelps and daughter Rozella and Mrs. G. W. Snyder and daughter Lenora, were in Bend Saturday.

The foot of the threshing machine is waking the people of the vicinity this week.

Bessie and Lenora Snyder called on Mrs. Gerking Tuesday.

Roy Edwin, and Leo Mickels were callers at the Spough home Friday night.

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