Winter Months on the Farm

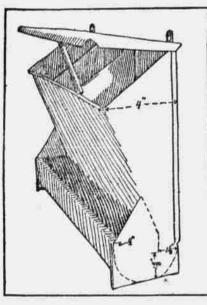
How to Improve Them

Feeding Hens for Eggs

Winter Feeding and Care of Farm Fowls to Get Eggs When Prices Are High By PROF. J. G. HALPIN
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summer to winter rations. They do ter ration and above all of supplying birds requires at least two hours for as he looked it began to recede, even these constituents to the birds imme- mixing and distributing the feed. diately at the beginning of cold weather. During summer the birds catch and eat an abundance of grasshoppers and in addition have a large supply of green food constantly available so that all their wants are satisfied. Just as soon as extensive ranging is prevented by cold weather the feeder should begin to supply succulent feed, such as alfalfa, roots and clover hay and beef scraps in the ration so



A Hopper for Grit or Dry Mash.

that it will correspond as closely as possible to the summer feeding. The feeder should not walt until after Christmas to begin this system of feeding but should commence it as soon

as the fowls are off the range. Feeding a Wet Mash. Changes in the system of feeding

hens should never be abrupt, but should be very gradual, slowly accustoming the birds to the variation in their ration. Where a wet mash has been fed to the young fowl it is preferable to continue to feed the older birds with this variety of mash. Although a wet mash is more palatable than a dry mash, it is also more trouble to prepare and has to be fed more carefully. There is always a danger of it scouring or freezing. A wet mash should be thoroughly mixed and allowed to swell and expand. This mash should be uniformly spread in the troughs so that each bird receives an equal allowance. Otherwise the stronger birds will gorge themselves while their weaker mates will starve.

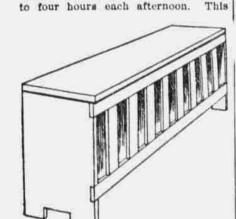
An excellent wet mash ration consists of one part alfalfa meal, one part wheat bran, one part middlings, one part cornmeal and one part beef scraps. If possible these concentrates should be moistened and mixed with skim milk and allowed to stand for several hours before feeding. Five per cent of oil meal is used advantageously in this ration, due to its value as a laxative and general tonic and stimulator. The wet mash should be fed once daily, in amount never to exceed what the birds will clean up readily in ten minutes, preferably at the noon

How to Feed Dry Mash. The dry mash is not so palatable and accordingly can be fed to the hens

at any time although the stock usual-

ly eat more and thrive more rapidly if

allowed access to this feed for three



Trough for Feeding a Dry Mash. Slatted Front Prevents Waste.

gives the "underlings" plenty of chance to eat and lessens the possibility of the mature fowls stuffing themselves. The dry mash has the same composition as the wet mash the only difference being that it is fed in a dry form. Where ground oats and bariey are plentiful they can be added to the dry mash with excellent results. Green hone is an excellent egg production. It must be fed in moderation about one ounce per hen three times a week and then gradual-

plied daily to each hen. recently attained remarkable success anced ration is supplied in abundance. by using a combination of wet and dry and where the flock have plenty of exnoon feed of a light, well-scattered wet fat, but will maintain good thrift and mash and then during the afternoon will produce a quantity of good qual 'Haven't you noticed the new French giving the birds free access to a dry ity eggs.

Many poultry raisers make radical | mash. The main advantage of this mistakes in changing their fowls from method is the extra labor involved. In a well-arranged house when a dry not appreciate the importance of mash is fed in hoppers one man can maintaining the proper proportions of feed 2,000 hens in about a half hour As ordinarily fed a wet mash for 2,000

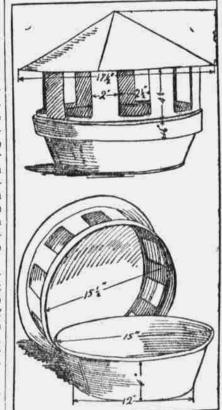
Roughage for Hens.

Where alfalfa meal is fed the de blown. mand for a succulent roughage is decreased. Even in this case, however, the addition of succulent clover or altire once a day in troughs. Cabbages again. are best fed by suspending them by cords to keep them clean. An addithrough the extra exercise necessary gone off on a visit, and lest some available aprouted oats can be fed. palatable and tempting to the flock. out. Clover chaff can be fed wet or dry Begin to feed the green stuff and make, and the man, searching the mangles as early in the autumn as pos-

Clover Good for Poultry.

palatability greatly. If free from long for he had been very careful. True, fiber, clover is an excellent feed to mix he couldn't remember the difference moisture conservation. When the soil is absolutely conservation. This is done with bran, table scraps, or with a reg between a tablespoon and a teaspoonular mash. A convenient way of hand ful until he had put three tablespoonling the poultry flock is to thoroughly fuls of baking powder in-heaping bed down the house with straw in the spoonfuls-but, as everybody knows, fall and then to add a forkful of clover that should make the cake lighter. or alfalfa hay every day until the lit- One of the eggs looked a bit pale

overestimated as a means of com- directions, pelling the birds to exercise in ob-



Two Views of a Simple Drinking Ves sel for the Small Hen House.

ing. Corn may be fed either shelled or on the ear-broken into small

It is of great importance that a little grain be left in the litter overnight so that the hens have something to eat immediately after leaving low, has she got to come, too? The deep as the fall plowing, but in Ore their perches in the early morning fellow thought it queer that I could gon should not be less than five or This accounts for the generous allowance of grain which is absolutely nec lady was present, but went out and essary in the litter. If no grain is soon returned with her."—Rumford left in the litter the birds should re Times. ceive their first feed by daylight for best returns. A very detrimental practise on the general farm is to finish all Waste of Meat Through Tuberculosis. the morning chores before feeding the poultry. The hens as a result remain one of the fundamental errors which ment of Science. results in a diminished egg production.

nished by putting a load of gravel in ment inspectors found 836,848 affected the house each year. Oyster shell with tuberculosis. This he said was should also be constantly accessible 130,802 more than in 1908. for the flock. It may be placed in an He said that during the last ten can easily reach it. Charcoal is an 212,340 tuberculosis cows had been other article of indispensable value found. This, he said, decreased the around the poultry house. Clean, pure meat supply and increased the cost of water in sanitary dishes should alliving.

ways be available for the fowls. Feed a Generous Ration. An essential factor in poultry feeding is to furnish a liberal, correctly balanced, fattening and growing rat great cement company, was praising constituent to use in the ration for tion. To merely supply the flock with cement at the New York Cement show. a maintenance ration is not sufficient. Besides maintaining bodily vigor and health the hen must produce eggs and fangled decollete gown from Paris. ly increased until one ounce is sup- on this account requires an amount of There will probably be the same diffifeed in excess of that required for culty about it. Several prominent poultrymen have mere maintenance. Where a well balmashes. Their system includes a ercise, the birds will not become over-

WHILE WIFE WAS AWAY

LONE MAN'S EXPERIENCE WITH BAKING OF A CAKE.

Recipe In the Women's Home Guide Was Simple Enough, but the Result Was Far From Satisfactory.

"I think it said a slow oven," same the man. He knelt on the spattered kitchen floor and peeped into the oven. "What'n thunder's a slow oven, anyway?"

As he looked within, the oven began a curious movement, and he watched it fascinated.

Something in a square pan had been ballooning out several inches, and even child cautiously removes a finger from the spool with which it is

a draft of cold air had struck his cake, falfa hay is beneficial. Root crops causing it to fall, and he hurriedly play an important role in the dietary of poultry. Mangels may be fed en tire once a day in troughs. Cabbages again.

| Causing it to lair, and he nurriedly and September settled and September settled in fact, than falls in many semi-arid countries at this time, it is not difficult to understand than March 15 their yield is greatly

It is not necessary to say the man was alone. It might be well to say, tional advantage is obtained here however, that his womankind had

> The Home Guide was explicit in saykitchen, found all the ingredients. The tempeatoin was too great, and he began making a cake.

Steaming clover hay increases its It should have been a good cake,

ter begins to get dirty. The house and washed out, and he rejected that, While moisture is most readily lost to 60 pounds per acre of land plaster should then be cleaned, the straw re using only two, and he had added a litplaced by clean litter, and the daily the sugar to the quantity, because he more largely conserved at this time. does not correct acidity, but, by forkful of clover or alfaifa continued. liked cake sweet. But, generally speak. The winter precipitation has run the making potash available, legitimately The importance of litter cannot be ing, he had made the cake according to surface soil together, forming a com-

He cautiously opened the open again, taining their food. A generous allow and with a cloth jerked the cake out ance of corn mixed with the litter and slammed it on the table. Then works out excellently for winter feed. he stood back and looked at it. Something was wrong, that was certain.

had a great buige in the middle, while tice to harrow the fall-sown ground good seed is used. The enormous all about the buige was a dip like a two and even three times in order to losses suffered by the farmers of surrounding valley. Also the edges break this surface crust. Where the Oregon each year from the use of were not dun color, but black. The ground is in stubble, both in Eastern inferior seed is not realized. Seed bottom also was black, though much of and Western Oregon, it is of the low in vitality or containing large the black stuck to the pan.

into outer darkness, and with diligence tion, will make the spring plowing velope and mailed to the Seed Test began washing up the dishes, for there were dishes that seemed to indicate that he had been trying to make worked into the soil and the clod mination and reported upon free of a cake, and the folks would be back in the morning.

And, when all was clean, he lighted his pipe and took up a magazine. to see a cake again.

The Magazine was not the Women's Home Gulde,-Qalveston News.

Didn't Think Bride Necessary.

"A queer thing happened here recently," said Lawyer Nathan G. Fos- be turned under by the plow. ter. "A few weeks ago a fellow and girl came here and asked me to marry them. They did not know that a license was required, so I went with such crops as corn, kale and mangels. them to the clerk's office and they arranged the matter. I told them to come back at a stated time and I would marry them.

"The day designated the fellow

one of the causes of the increased cost moisture loss, which is rapid from on their perches too long, so no in of living in an address by Dr. Burton newly plowed land until the harrow centive urges them to get down and R. Rogers before the convention of the mulches and protects it. exercise. This common mistake is American Association for the Advance-

Doctor Rogers said that of the 30,-472,921 hogs killed at United States Grit for the flock should be fur packing houses in 1900 the govern-

Almost Escaped.

John R. Morron, the president of a "It is the fashion now, too," he said. "It is as much the fashion as the new-

"One man said to another at a ball

the other night: "'Do you have any trouble keeping your wife in clothes?"

"'Rather!' the other answered decollette gown she's wearing!

EARLY SPRING WORK.

Prepare Now for Big Harvests-Don't Leave It all to Luck.

latter part of the growing season. season. This condition prevails in every section of Oregon. While the annual work is the seeding. The best stands rainfall in practically every part of Oregon is sufficient to produce excellent crops, yet, since most of it comes during the winter, it is expectations of the seeding. The best status work is the seeding. The best status of clover in Western Oregon are secured by broadcasting the seed on fall-sown wheat as early as it is comes during the winter, it is expectation. tremely important that it be carefully possible to get on the ground, say oday course, where the rainfall averages from six to twenty inches, the need of moisture conserving methods of better cover the sood part of the sood of moisture conserving methods of tillage and cropping has long been both in Western and Eastern Oregon, tillage and cropping has long been recognized as vitally important. In Western Oregon, where the rainfall at the earliest possible date the at the earliest possible date the weather will permit, say the latter part of February or early March. When it is remembered "Huh!" said the man; "that's recognized. When it is remembered funny." Then it occurred to him that the rainfall in Western Oregon depth of three inches at the rate of mighty lays his hand upon a man, sir, during the months of July, August and September seldom exceeds two desired, oats should be seeded about that maximum crops can be produced only where special methods of mois ture conservation are followed. There is little question that as far

as plant food content is concerned for the fowl to secure the feed. Where think him insane, to state that he had no more rich or productive soils ex and ready for transplanting by the been reading recipes in the Women's is than are found throughout Oregon first of June. Spring oats, of course, Carrots in small amounts are very Home Guide until his tongue hung It is not plant food, but soil moisture which is the limiting factor in during March. Potatoes generally crop production. Good rotation methand is a very economical egg producer. ing that such a cake was easy to ods will maintain and increase plant food supply. Thorough tillage methods to conserve moisture will unquestionably make ample crops pos-

The attention of the Oregon farmer face down, following the winter pre- by liming the alfalfa ground the lat is filled with moisture from the sur cipitation, the first warm, sunshing days of spring will cause a higher lime, at the rate of 500 to 1500 loss of moisture through evaporation pounds per acre, should be used than is likely to occur even in the The vetch, clover and alfalfa should hottest, windiest days of midsummer. receive a light dressing of from 40 during the month of April, it may be about April 1. Land plaster, of course pact crust on top of the ground, from crops. Land plaster can be broadwhich the moisture is very rapidly casted either before or after seeding. lost. By breaking up this crust as or directly on the growing crop, but early as possible in the spring, trans should preferably not be applied later forming it into a soil mulch three or than April 15, as it must be washed four inches in depth, moisture losses into the soil by the last spring rains. can be stopped. In Eastern Oregon tion before plowing has the advantage of the seed to be discing before plowing also has the operations and labor on the farm may advantage of germinating the weed be thrown away if this step is seed, so the young weeds may later neglected.

nuring the land in preparation for dollars at harvest time.

The third step is the spring plowing itself. This should be done, of early spring that will bring results. came alone and said he was all ready course, when the ground is mellow to be married. 'Where's the young and not so wet as to smear. The lady?' I asked. 'Why,' replied the fel- spring plowing should not be as course, in the dry-farming wheat belt | we don't prepare for these short harit is important to follow the spring vests," he said to a reporter, "we'll in order to make a more perfect connection between the plowed ground and the ground underneath it. The plow, of course, should be followed Tuberculosis in hogs was offered as by the harrow in order to prevent

late-sown crops are to be grown, is lying all about?" the frequent harrowing of the plowed land, especially after a spring rain mered. 'Why, boss, that's the crop!' has formed a surface crust. This harrowing, of course, will conserve moisture, thoroughly pulverize the soil, and get rid of weeds. The most effective time for weed-killing is during this period. This frequent harinexpensive hopper where the birds years 2,648,520 tuberculosis hogs and rowing, following the spring plowing. will have a marked effect in preparbeans. more common cause of failure or low a supply of extra fine brooms in the yields from these crops than lack of regular kitchen department early spring tillage. Where cover crops, such as rve or

rye and vetch, have been grown on the land to protect the soil from way that man looked at me? It was leaching or washing through the winter, the early spring is the proper positively insulting?" time to plow this cover crop under Big Brother-"Did he stare at you?" as a green manure. To be of the greatest benefit as a green manure it he ran his eye over me and then is vital that the cover crop should glanced off at some one else, just as be plowed under early in the spring, if I wasn't worth a second thought."

say about April 1 to 15, when it is from 12 to 16 inches high. At this Get This Nobby Easter Suit stage it is still lush and green, so when it is plowed under it will de-The first steps in any undertaking cay rapidly. After green manure has are generally the most critical ones been plowed under the land should as affecting later success. This is be thoroughly disced to compact the especially true of farming operations soil of the ground layer and to cause having to do with crop production its rapid decay. Where a cover crop To obtain maximum crops in Oregon, is allowed to grow late in the spring it is extremely important that prepa- it becomes too mature to decay rapration begin at once. This is espe- idly and in addition saps the soil of cially true in Oregon, owing to the moisture and plant food that should scantiness of the rainfall during the be reserved for the main crop of the

> The fifth step in the early spring depend nearly altogether for success ful yields upon their being seeded two bushels per acre. If pea hay is than March 15 their yield is greatly reduced. Mangels and other root crops should also be seeded during March, as should the thousand-headed kale. Kale, where seeded early in March, is ten to twelve inches high give the highest yields when seeded give the best crops when seeded between April 15 and March 1. Corn, alfalfa and field beans find the best seeding time from May 1 to 10.

The sixth step in the spring work refers especially to the growing of should be called particularly to the legumes, such as vetch, alfalfa and

Finally, none of these early spring It was of a curious dun color, and it has proved a most profitable prac operations may be successful unless greatest importance to get on the amounts of noxious weeds are all too land as early as possible with the commonly sown, but seldom does the Then the man tasted his cake. Yes, disc harrow; this early discing can farmer stop to think how easily this something was wrong. It was soft as be done long before spring plowing continued and costly waste may be library paste and gummy beyond be can be started. This early cultiva prevented. A representative sample The man did not hesitate. He open- of changing the soil crust to a mois- can be secured from the seedsman, ed the back door and cast the cake ture conserving mulch and, in addi. and this sample placed in an enmuch easier and more effective. The ing Laboratory at the Oregon Agricul stubble and other trash on the sur-tural College, where it will be imme face of the ground is cut up and diately examined as to purity and ger making crust is broken, so that when charge. If the seed is inferior it plowing is done both clods and stub-ble will no longer be in the way It is especially vital that all the When the furrow slice is turned a grasses, clover and alfalfa should be Cake? Not much. He never wanted perfect union between the seed bed examined before purchasing and sow and the ground underneath, where ing. A tablespoonful sample is suffithe winter moisture is stored, is clent. The month of March is the made, so that this tored moisture may ideal time for the farmer to make ascend into the seed bed during the arrangements for purchasing seed for Cured by Lydia E. Pinkham's growing season. The early spring the year. All the foregoing costly

> We should have some record-The next step in the spring work, breaking yields this year. Seasonal especially in Western Oregon, is maconditions have never been better. If the Oregon farmer is to get maxi-The farmer should not forget that mum crops, however, he must reevery ton of manure applied to these member that it will depend very crops will give a return of five or six largely upon the careful observance of these first important steps in the

> > The Crop That Failed.

James A. Patten, on his arrival in New York last month, predicted short not perform the ceremony unless the six inches. In Eastern Oregon, of harvests all over the world. "And if plowing with the sub-surface packer all be as disappointed as the Evanston capitalist was.

"An Evanston capitalist, going over his farm at Des Plaines the other day, stopped in a field and said reproachfully to his foreman:

"'You ought to have been more careful, Harris, in raking up your hay. The fourth step, especially where Don't you see you've left little wisps

"'Little wisps?' the foreman stam-

Whiskbroom for Corn. The shopper who knows just what she wants and insists upon having it unearths many a department store secret. A search for a whiskbroom of unusually fine straw took one persisting the land for alfalfa, corn and field ent buyer into the kitchen department These crops, of course, are of a big store, where she saw a counnot seeded until about May 1, since ter full of brooms labeled, "whiskthey require warmer weather and can- brooms for silking corn." Inquiry not endure late frosts. By the time brought out the information that they are seeded, however, the spring many housekeepers whose families rains are practically over, so these are fond of corn on the cob have dislate seeded crops must be carried covered that a fine whiskbroom is the through the dry season on the mois best thing known for brushing silk ture already conserved. There is no from the ears and that it pays to keep

> The Funny Way of Girls. Young Woman-"Did you see the

Young Woman-"Stare! Why, no:



Benton's Withdrawal. After the death of John C. Calhoun friend said to Senator Benton; "I suppose, colonel, you won't pursue Calhoun beyond the grave?" To which he replied: "No, sir, when God Al-I take mine off, sir."

"NO ONE IS STRONGER THAN HIS STOMACH."

> WHEN YOU ARE SICKLY

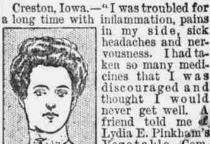
and run down and subjected to spells of Stomach trouble and Biliousness you cannot take a better medicine than Hostetter's Stomach Bitters. It removes the cause by toning the entire digestive system. Try it and see.

BUT INSIST CN

Lamb With Only Three Legs. An agricultural curiosity in the shape of a three-legged lamb has just been born at Send, Surrey, England. The offspring is in perfect health, experiencing no apparent difficult in getting about.

AND PAIN

Vegetable Compound.



in my side, sick headaches and nervousness. I had taken so many medicines that I was discouraged and thought I would never get well. A friend told me Lydia E. Pinkham's Vegetable Com-pound and it restored me to health. I have no more

pain, my nerves are stronger and I can io my own work. Lydia E. Pinkham's Vegetable Compound cured me after verything else had failed, and I recmmend it to other suffering women." -MRS. WM. SEALS, 605 W. Howard St., reston, lowa.

Thousands of unsolicited and genune testimonials like the above prove he efficiency of Lydia E. Pinkham's egetable Compound, which is made aclusively from roots and herbs.

Women who suffer from those disressing alls should not lose sight of hese facts or doubt the ability of Lydia E. Pinkham's Vegetable Compound to restore their health.

If you want special advice write to Mrs. Pinkham, at Lynn, Mass. She will treat your letter as strictly confidential. For 20 years she has been helping sick women in this way, free of charge. Don't hesitate-write at once.

onstipation and during this time I had to take an injection of warm water once every 24 hours efore I could have an action on my bowels Happily I tried Cascarets, and today I am a well man. During the nine years before I used Cascarets I suffered untold misery with internal piles. Thanks to you, I am free from all that this morning. You can use this in behalf of suffering humanity B F. Fisher, Roanoke, Ill.

Pleasant, Palatable, Potent. Tasts Good. Do Good. Never Sicken, Weaken or Gripe. 10c, 25c, 50c. Never sold in bulk. The gen-uine tablet stamped C C. Guarantsed to cure or your money back.

