

inications to Agronomist, 73 Adelaide St West, Toronto.

Mash Means Money.

The problem of the poultryman today is to get his birds to eat enough mash. Mash, the high protein carrying part of the ration, should be before the birds at all times. Records of our high-producing birds show that they consumed practically equal parts of mash and scratch by weight. How was this done and how can it be repeated?

The mash should be made as palatically and throw any mash out sidewise and waste it.

We have been able to bring up the mash consumption of some of our flocks practically 100 per cent. by the introduction of this type of feeder, one-half peands of mash a month are now eating three, and their production has been constantly on the in-

The mash should be made as palatished as possible, and the fibre in its should be kept down as low as possible. Adding alfalfa to the ration increases the fibre content very rapidly. The lower the fibre content, the less the amount of energy required to digest a given amount of food and the more food is left for production purposes. A good mash can be made by mixing equal parts by weight of the following feeds: Cornmeal, bran, wheat middlings, ground oats and a high-grade meat scrap. This mash is simple, easy to get and is well balanced.

The mash should be made as palation has been constantly on the increase.

We have found that a feeder of this type, eight feet long, filled once a day, will provide ample feeding space for 200 birds, and will hold a day's supply of food. However, the length can be increased or 'ecreased to fit has been constantly on the increase.

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Of course, these feeders must be filled every day. With this type of food and the more food in the size of your flock.

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lit impossible for the birds to pull and

success with hatching eggs during the spring is the care of the breeding stock during the winter. Hens that are forced for eggs in the winter can-

chicks. They are naturally apt to take a rest during the winter after the previous summer's laying and that rest gives their systems a chance to recuperate and they have the vitality to produce hatching eggs with a strong spark of life. The pullets which have been fed for eggs during the winter cannot produce hatching the winter eggs that are as valuable for that purpose as the eggs laid by the hens. That is why it pays to keep both hens and pullets. The hens are to be the breeding stock which rests in the winter, while the pullets are to be the producers, which bring in the winter egg money.

Many failures with poultry result from poor hatches and the mortality among weak chicks. Usually the in-

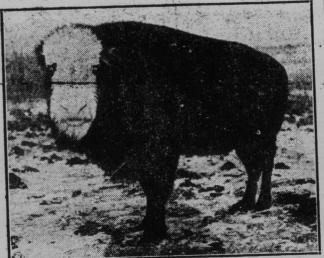
the spring arrives

But, hold on; how about the floors? fore spring arrives.



stock during the winter. Hens that are forced for eggs in the winter cannot produce the most hatchable eggs in the spring. Birds that are too fat will produce eggs lacking in fertility. If they are enclosed in small yards and do not have sufficient exercise it will injure the hatchability of the eggs.

Green food is a tonic to the hens during the winter and helps to keep them in condition to produce fertile eggs during the season of incubation. Exercise in a deep straw litter helps to keep them in good physical condition. Year-old and two-year-old hens produce the best and most vigorous phicks. They are naturally apt to take a rest during the winter after the previous summer's laying and that



FOR GREATER BEEF PRODUCTION

Picture is of a "Trialia" a cross between a buffalo and a domestic cow. It is claimed by live stock men making breeding experiments that about 250 pounds more prime meat can be obtained on the shoulders of the animal by this cross breeding.

(MorseSease2)

high-grade meat scrap. This mash is simple, easy to get and is well balanced.

To get the birds to eat this mash seems to be a problem for some poultrymen. However, if they will cut down the amount of grain they feed in the morning and keep the birds hungry, they will be culy too glad to eat mash.

There are several methods of feeding mash. The first and most common way in the commercial flock is in the large V-shaped hoppers, similar to the self-feeders in such common use by hog raisers. Expert poultrymen have found that this type of hopper saves labor, as they can be built large enough to hold from a week's to a month's supply. However, they was also found that they are perment. Station. The best results of obtaining a clean and glossy coat.

The birds will balanced.

When the horse is obliged to stand idle outdoors in cold weather for any led outd

eggs has been heavily drawn on and therefore is reduced. The eggs from those of our flock who have spent the winter leafure and actions

Pigs on Rape.

That at least 300 period, of grain and weeks, to a month's supply. However, they present the case being of proper grains were received by the found that the hope of the bidder of the bidge of the bidger and proper of the bidge of the bidger and pick cut the most togget and the early particle of must week to a month's supply. However, they provide the same and the proper of the bidge of the bidger and pick cut the most togget and the pick were given a fell feed with the bidge of the bidger and pick cut the most togget and the pick were given a fell feed with the bidge of the bidger and pick cut the most togget and the pick were given a fell feed with the bidge of the bidger and pick cut the most togget and the pick were given a fell feed with the bidge of the bidger and pick cut the most togget and the feel cut makes a fell feed with the bidge of the bidger and pick cut the most togget and the feel cut makes a fell feed with the bidge of the bidger and pick cut the most togget and the feel cut makes a fell feed with the bidge of the bidger and pick cut the most togget and the feel cut makes a fell feed with the bidge of the bidger and pick cut the most togget and the feel cut makes a fell feed with the bidge of the bidger and pick cut the most togget and the feel cut makes a fell feed with the bidge of the bidger and pick cut the most togget and the feel cut makes a fell feed with the bidge of the bidger and pick cut the most togget and the pick with great the bidge of the bidger of the pick with the bidge of the bidger of the pick with the bidge of the bidger of the pick with the bidge of the bidger of the pick with the bidge of the bidger of the pick with the bidger

ers wear rubber shoes, or go in stock to the very last minutel" you tell your eneighbors.

But, hold on; how about the floors?
Are you going to use the same of oak with some good pasts of oak good pasts of oak with some good pasts on the soulling was cooking on the range of an with some good pasts of oak with

grooves, else it won't lie level. As for the material, that depends on circumstances; I have used both white oak and hard maple, with excellent results. There is very little choice, when all things are considered. The oak has rather the prettier grain, especially if quarter-sawed; but it is more expensive. The cheaper grades of maple have ugly streaks and marks; but they wear just as well on a kitchen floor as the more costly. And there are of the equipation producers, which bring in the winter seg money.

Many failures with poultry result from poor hatches and the mortality among weak chicks. Usually the incubator receives most of the blame. An optimist is a man who can eat the real reason is often a lack of viger in the breeding stock. One of the was in some other dish."

The added satisfaction and saving facturers claim that their product facturers

The Welfare of the Home

What is the Very Best Inheritance That We Can Leave Our Children?

Someone has said that boys are assets and girls liabilities: For many centuries and in many lands this has been the general sentiment and the care and training of each has had this mistaken idea for a basis. Step by step, with unyielding persistence, the girls have made progress, and now in the twentieth century they can claim equality with their brothers. Our country is not rich because of its houses and lands, nines, stocks and bonds, but because of its houses and lands, nines, stocks and bonds, but because of its boys and girls, how are we rearing them, training them and guiding them? How are we fitting them for their greatest usefulness? Never before in the history of the world has there been so much serious thought and earnest effort in the development of these human plants.

Luther Burbank, the great horticulturalist, says that the best place to bring up a boy or girl or a plant is studied many problems. All earnest studied many problems all earnest studied many problems. Someone has said that boys are have been learning some earnest les-

Better Farmhouse Floors

Ing this rod so that it will be straight, as it is mounted on nails so that it will be straight, as it is mounted on nails so that it will not trun freely, and not a speck of dust anywhere is a slight bend in the rod it will not trun freely, and the birds will be able to roost on the top of the hopper.

Another feature that we have found to help increase the usefulness of this ged of the top of the trough so that it is flush with the outside were acade edge of the top of the trough containing the tot take a mason's lath along so that it is flush with the outside were room on rape pasture as the concentrates required per 100 pounds gain the each edge of the top of the training to the ties flush with the outside were required states to every 100 pounds of concentrates to every 100 pounds of concentrates to every 100 pounds of concentrates to every 100 pounds of gain made.

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world has there been so much serious thought and earnest effort in the development of these human plants.

Luther Burbank, the great horticulturalist, says that the best place to bring up a boy or girl or a plant is in the country, the nearer to nature the better. So farm children start with no handicap. They have withno handicap. They have withno handicap. They have withno noney and without price, sunshine, with no handicap. They have withnot money and without price, sunshine, fresh air and blue sky, and while will not need support long. On the farm, the child learns to work, unless he happens to be a most skillful shirk and even then he is apt to take a few lessons in doing things. The moral value of work is unquestioned. Steady, persistent work has done more to keep the world clean and wholesome than any other force in it. Children on the farm learn many kinds of work. They learn to meet every-day emergencies intelligently and to ad-

for farming costs more to-day than ever before in history. This make necessary greater care if we will avoid excessive cost. The machine which we buy to-day are much more intricate and complicated and thus more damaged by weathering then year your machinery is properly cared for, is a very conservative estimate. The added satisfaction and saving