This Department is for the use of our farm readers who want the advict of an expert on any question regarding still, seed, crops, etc. If your question is of sufficient general interest, it will be answered through this column. It tamped and addressed envelope is enclosed with your letter, a complete inswer will be malled to you. Address A jronomist, care of Wilson Publishing Co., Ltd., 73 Adelaide St. W., Toronto.

Cow B qualified for Record of Performance as a three year old with most profitable results for feed consumed and labor spent in raising calves it is necessary to see that the breeding of the calves is of the best, that their sires and dams are good individuals of the breed which you are working with, and that they have good records of performance behind them. This applies to beef breeds as well as deary.

(2) Feeding—As soon as the calf is dropped it should be separated from its dam and not given any food for twelve hours, when it will have developed a good appetite and be ready.

Cow D was out of a dam which qualified for Record of Performance, with 9747 pounds of milk, but herself failed to qualify though tried two different years. She only gave 3297 pounds during her first period of lactation.

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Cow D was out of a dam which qualified for Record of Performance, with 9747 pounds of milk, gave 4624 pounds during her first period of lactation.

tion and her daughter, by Z, only twelve hours, when it will have developed a good appetite and be ready to take its first food which should consist of 5 pounds of its mathematical properties of the mathematical prope where a rood appetite and be ready to take the first food which should be consisted of its most in 12 hours which will make 10 per designer, by Z, only years 2776 which should be consisted for five which should be adopted to the mint of the five which should be consisted for five which should be consisted for five which should be adopted to the mint of five which should be adopted to the mint of five which should be adopted to the mint of five which should be adopted to the mint of five which should be adopted to the mint of five which should be adopted to the mint of five which should be adopted to the

against all comers. Moreover, this bull, according to ordinary standards, was of a conformation which induced one to believe that he was of a heavy milking strain and would produce good heifers. But, unfortunately, such was not the case and he did not leave a single heifer which was worth leave a

The Raising of Calves.

This subject could be very well divided into three parts, viz., (1) Breeding, (2) Feeding, and (3) Housing.

with 7794 pounds of milk whilst to the service of Z, she gave a heifer which never gave fifteen pounds of milk per day during her first lactation period. Cow B qualified for Record of Periods.

to take its first food which should consist of 5 pounds of its mother's formance with 8358 pounds of milk consist of 5 pounds of its mother's and her daughter, by Z, only gave 2776 milk. This should be duplicated in pounds during her first lactation

ing the calf's digestive organs in the best condition possible, which is very essential for rapid and robust development.

(3) Housing.—All quarters in which calves are kept should be clean and they should be given all the room possible so as to allow chance for exercise. They should always be well bedded with plenty of light and good ventilation, so that the calf will develop a good strong constitution in order to be a healthy acquisition, when grown, to the farm herd.

Importance of Knowing the Milk Yield

Stapes and saw. More than one of each of these tools may be necessary if many hogs are to be handled and shaughtered to best advantage. A barrel makes a very convenient receptacle in which to scald the animal.

of the Bull's Dam.

Not much headway can be made in breeding up a dairy herd if the dam of the bull is not a good milker. This is now a well-known fact and very high prices have lately been paid for bulls out of heavy producing cows.

At the Cap Rouge Experimental Station a very fine French Canadian bull, which will be called Z, was bought a few years ago, one that would easily have won championship honors at any exhibition in Canada against all comers. Moreover, this least twenty four hours, or better days the solution and the state of the Bull's Dam.

Only hogs which are known to be loss of life and vitality in sheep are the lung worm and stomach-worm.

Modern munitions have been de veloped for fighting lung worms impaired by fever or other derangements. Hogs can be killed for meat any time after eight weeks, but the sticking each animal's head into a sack containing a hot brick from which iodine was evaporated by the heat. The new method is to inject chloroform directly into the sheep's nostrils.

The injection may be made with a medicine dropper, fountain-pen filler or small syringe. The dose is from the sheep's nostrils.

want was not the case and he did not leave a single heifer which was worth keeping as a milk producer.

Cow A, to the service of another buil, produced a daughter which later qualified for Record of Performance was should be treated with a half dose and the effects watched; then the remains, allowing the carcass to cool over night. If winter a day when the carcass can be cooled before it freezes should be selected.

In saving over cockerels for use with the farm flock it pays to keep a few extra birds to make up for any filmess that may occur or accident the account was a cockerel that a pay experimentally treated with increasing amounts until the safe dose is found. The chloroform stupe flows fit to save seven or eight and the five that come through the winter in the best condition can be retained for the breeding pens. It costs money to feet extra males but not as much as it costs to purchase more birds in the spring if they are needed. Some times a cockerel that appears like a fine vigorous bird in the fall will not look as a good as expected in the spring and then, it is encouraging to have a substitute without paying five, ten or fitteen dollars or more for such a bird.

WANTED POULTRY Segs are lighter than the process of soap. Put them into a sauce pan with a little water and gat over a flow fire until melted. Pour off into a jar and when cooled you will have a soap lely that can be seed for boiling clothes or for dish washing.



BILL WENT TO FISH THE OTHER DAY AND CAUGHT A DANDY RIGHT AWAY HE COULDN'T WAIT TO LACE HIS SHOES BUT HURRIED HOME TO SPREAD THE NEWS

Of course, the feeder will want to use alfalfa hay and other home-grown feeds as far as possible, but if they are not available, bran or similar feeds should be purchased to go with the corn. If tankage is used instead of oilmeal, only half as much of it need be fed.



Sheep raising must be made safe for there is a serious shortage of wool

say that it is much more effective than the gaseline treatment.

A one per cent. solution of pure sul-phate of copper (bluestone) is 1 20 by adding one and one-quarter c of the bluest crystals to one call hot water; of this the dose i ounce for a lamb of compara:

GOOD HEALTH QUESTION BOX

By Andrew F Currier, M.D.

Pr. Currier will ensure all signed letters pretaining to Health. If your question is of general interest it will be answered through these columns; it not: it will be answered personally if stamped, addressed envelope is enclosed. Dr. Currier will not prescribe for individual cases or make diagnosia. Address Dr. Andrew F. Currier, care of Wilson Publishing Co., 73 Adelaide Et. West, Toronto.

HOW MUCH DO YOU WANT UT?

A woman whose work as a pul speaker has taken her for years fore addiences of young people to

ounce for a lamb of comparia sy these the corresponding of the system of the control of the cont

oming voice. He drew me over to a corner. "I suppose," he began, "that you

never saw a greener specimen than I was when I nearly bored you to death at that convention. If I am of any use whatever in the world, it is because of something you said to me then: 'How much do you want an edu-cation? What are you willing to pay for it?' Time and again, when things have seemed hopeless, I'd square my-self, 'How much do you want it? How much are you willing to pay for it? If you, big as you are, can't pay the price, you don't deserve it.' And it's your message I am endeavoring to

He was a preacher, he told me; and He was a preacher, he told me; and I learned afterwards of the great work he was doing. His gig voice had been trained and had proved one of his most valuable gifts. In the twenty minutes till train time he told me something of the price he had had to pay. It was a story of unusual perse-

"But it's worth all it cost," he said as he bade me good-bye. "And now as he bade me good-bye. I am busy telling other young people that there isn't anything in this world that is worth while that they can't have if they want it badly enough to pay the price."

Growing Dahlias.

Growing Dahlias.

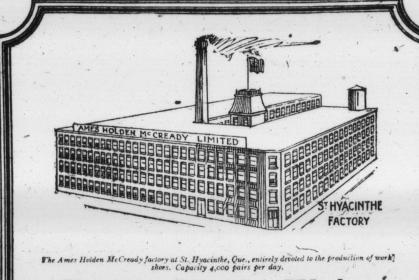
Dahlias do best in light, sandy soil, where the tuberous roots can develop and expand. Here the drainage is good and the capillary attraction of the light soil supplies plenty of moisture from below even when the surface of the ground is dry.

The dahlia plant is largely composed of water; the flower is large and heavy, and this too is composed chiefly of water; without water and plenty of moisture in the soil constantly dahlias cannot produce their best flowers.

Where dahlias are grown in heavy soil, lighten it up as much as possible by working in sand, coal ashes and manure. Turning under large quantities of leaves this autumn and liming heavily will help break up heavy clay soil in which dahlias can be planted next spring.

Where furrows run up and down the

The greatest waste of all is the waste of our children, the wealthy through their riches, the poor through their destitution. Is it not time that we took the necessary (and quite practicable) steps to stop this



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