Quantities, either greater or small-r than that given may be prepared er than that given may be prepared by simply observing the proportions of the different ingredients, which is the different ingredients, which is a to comfort, sound wholesome food and pure water, and the 'regular oue of a mixture such as that above sugard which is both a corrective to of a mixture such as that above sug-gested, which is both a corrective to the bowels and a worm medicine, hogs should be maintained in a fairly sound and healthy condition.

Balanced Ration for Cows

Balanced Ration for Cows
As I am a young farmer I thought I
would like to get your advice about feedsolution of the second of

an addition.

As a meal mixture to feed along with ensilage and mixed hay, I would

of milk produced.

As a ration for a 1,000 lb. cow giv-ing around 40 lbs of milk a day, I would suggest the following ration:

Mixed hay 6 lbs. Oat straw

raw 5 lbs. a ration would be in compos-Such ition about as follows: Dry Crude

Matter Protein Fat Hy'tes
 Matter Protoin Fat Hyres

 Oats, 2 lbs.
 1.8
 94
 1.0
 1.2
 2.0
 1.0
 2.0
 1.2
 1.2
 1.1
 2.0
 0.1
 2.1
 1.1
 2.1
 1.1
 2.1
 1.1
 2.1
 1.1
 2.1
 1.1
 2.1
 1.1
 2.1
 1.1
 2.1
 1.1
 2.1
 1.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2.1
 2

Total29.1 3.48 1.15 14.74 A ration with a nutritive ratio of about 1:5 which is supposed to be about 1.5 which is supposed to be nearly right for such a cow as described. It is possible that a somewhat smaller among the meal would leave a larger margin of meal would leave a larger margin of most creasing the meal ration would, here the meal ration would, because the mean ration would be the mean ration would be the mean rational means that we would be the mean rational means that would be the mean rational means that we would be a supported by the mean rational means that we would be a supported by the mean rational means that we would be a supported by the mean rational means that we would be a supported by the mean rational means that we would be a supported by the mean rational means that we would be a supported by the mean rational means that we would be a supported by the mean rational means that we would be a supported by the mean rational means that we would be a supported by the mean rational means that we would be a supported by the mean rational means that we would be a supported by the mean rational means that we would be a supported by the mean rational means that we would be a supported by the mean rational means that we would be also as a supported by the mean rational means that we would be a supported by the mean rational means that we would be a supported by the mean rational means that we would be a supported by the mean rational means that we would be a supported by the mean rational means that we would be a supported by the mean rational means that we would be a supported by the mea

Our Veterinary Adviser

CASTRATION.—When will be the best time to castrate a filly that will be a year old in May? Should the operation be per-formed at one or two years old?—P. McM.,

I presume you mean a colt as fillies cannot be castrated and few of them cannot be castrated and few of them are spayed. Opinions differ as to the age at which colts should be operated upon. I think one year tetter than two, hence would advise the operation about the middle of June, or earlier if the weather be fine and the colt on pasture.

RINGWORM - CRIPPLED PIG. - Heifer is losing hair around her eyes, and in spots on her head, and the skin is scaly. 2. Pig is so crippled it can scarcely rise.—
J. C. M., Stittsville, Ont.

J. O. M., Stittsville, Ont.

(1) This is ringworm and as it is very contagious the patient should be isolated. Soften the scales with sweet oil or vaseline, remove them and then dress the spots daily with tincture of iodine until cured.

(2) The crippling is due to too high

feeding and want of exercise. Purge with two to three ounces of Epsom salt, acording to size. Feed on milk, bran or raw oats, and see that it gets regular exercise as soon as it can walk

Meesessessessessesses FARM MANAGEMENT

Does Tapping Injure Maple Trees?

Does tapping a tree interfere with its growth? Give the diameter of the smallest tree that it is advisable to tap.—J. S., Halton Co., Ont.

is tree that is a survasor to take the halfor Co., unable to find any record of injury being done to maple trees through tapping. One can imagine that if the matter were overdone for a single tree and the season of flow continued for a long time that so much substance might be extracted that the leaf growth following would be much impaired. This is very improbable, however, and a good strong tree has large recuperative powers.

There is no particular limit to the state of tree that may be tapped so for the control of the cont

Manuring Hilly Land

Is it desirable to spread manure on a steep hillside in winter for land intended for roots next year?—R. S., Perth Co.,

If the land is very hilly there would certainly be some washing of the manure. There would perhaps not be so much loss ferilizing elements as one might imagine, but some of the nanure would be washed into the hollows where the soil is generally richer, thereby making the manuring very uneven, when it should be distributed in the very opposite way, i.e., putting in the very opposite way, i.e., putting the heaviest coating on the knolls. For this reason, if for nothing else, it is much better to apply manure in If the land is very hilly there would For this reason, it for nothing else, it is much better to apply manure in the spring on such land, so that the high places in the field might get the heaviest dressing, thus insuring a more even crop.—D. D. Gray.

I like the tone of Farm and Dairy better than any other paper of its class that I have ever read. I like its care-fulness in advertisements. — M. J. Spicer, Grenville Co., Ont.

Cattle driven nearly mad by the irritation of Lice and other para-MORE MILK? sites cannot be expected to be such profitable milkers as clean restful cows. Rid your stock of

LICE AND VERMIN

COOPER'S FLUID

RE COOPER'S FLUID

Messrs WM. Cooper & Nephews, Toronto, Ont.

Toronto, Ont.

Gentlemen:
Gentlemen:
Gentlemen:
Dip" on my head and have found it to be everything claimed for it. No doubt, when this valuable preparation becomes reclaimed for its of doubt, when this valuable preparation becomes leading to the manning claudian between the candida never are manning claudian as it now is in other countries, where it is known as the standard dip.

Yours very truly,

Yours very truly,
(Signed) W. W. BALLANTYWE.

ASK YOUR DEALER OR ASK FOR BOOKLET "A"

WM. GOOPER & NEPHEWS, Toronto

DON'T FEED YOUR CALVES MILK Blatchford's Calf Meal _

IS BETTER, CHEAPER, MORE HEALTHFUL It is conceded to be the only real milk substitute It is conceded to be the only reel milk substitute in the world. Makes stronge; and healthier an-imals and sweeter, firmer, whiter real than any other known method of feeding. Prevents scouring. Costs half as much as milk and con-tains no mill feed or other by-products.

WHIE 100M for our valuable free book, ' Aow to Raise Calves Cheaply and Successfully Without Milk,

Address : STEEL, BRIGGS SEED CO., Ltd., - - TORONTO, ONT.

ECCS FOR SETTING .- IF YOU HAVE SOME CHOICE ECCS FOR SETTINGS, AD-VERTISE THEM IN OUR POULTRY DEPARTMENT.

WINDMIL

Towers Girted every five feet apart and double braced

Grain Grinders Pumps Tanks

Gas and Gasoline Engines

Concrete Mixers WRITE FOR CATALOGUES

GOOLD, SHAPLEY & MUIR CO., LIMITED BRANTFORD, - CANADA

CALVES Raise them without Milk. WHITE & GILLESPIE, Peterbero, Ont.

A \$5,000 DAN PATCH STALLION FREE

This New Picture of DAN PATCH 1:55 in Six Brilliant Colors MAILED FREE



DAN PATCH 1:55

This new picture of Das Patch 150, is the Finest I have ever gotten out for framing. It is printed in six brilliant colors and in free of advertising. It gives his age and a list of all the fast miles paced by Das. Because it was a "Speet Photograph" it shows Das as lifelile as if you stood on the track and saw from a "Speet Photograph" it shows Das as lifelile sons, You ought to have a fine picture of the King in mavelous and thriling speed exhibitions, You ought to have a fine picture of the King in the picture of the King in the picture of the King in the picture of the Research of the Large, Beautiful Hartest Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen. I will arress Horse the world has ever seen.

A \$5,000 DAN PATCH STALLION FREE

An Abrolutely Prese Hair Counting Contest Without Money or Purchase Consideration obtained by Primer Bearing Contest Without Money or Purchase Consciount the number of in To Any Farmer, Blookman or Foulty Freeder. Consciount the number of in To Any Farmer, Blookman or Foulty Freeder. Consciount the number of the Constitution of the Primer State of the Management of Management of Primer Patch in the first Registered Stalling and Patch and Constitution of the Cons

It is desirable to mention the name of this publication when writing to advertisers