7, 1909

January 7, 1909.

You would favor me by replying to the following questions: 1. How to grow and handle alfalfa? 2. How to distribute manure on the

tered over the field in question, ter results might be anticipated.

not use any nurse crop. Do not

e applied on meadows rather than

on grain. 3. Good mixed hay contains about

Hints on Caring for Horses

Give some hints on care and management of horses.-A. M. S., Waba, Ont.

the limit of **FARM MANAGEMENT** be aubject be deter his consti s occasion ble in car.

Toronto etings wills ng Edwar time of the

lime of the 1.4 What is the value of a ton of good 15th: mixed hay for manure? lety, Tues. 4. Would you advise buying feed hay m. at 815 a ton to feed cattle on your own to Association area ther than having the cattle win-ter Association area of the state of the state of the 13th, attered on straw by some neighbor for \$5 13th, attered on straw by some

Horse Soc. 1. Alfalfa requires well tilled land 14th, aim good heart and thoroughly drain-ed, and should have been manured

Good mixed hay contains about blos, of nitrogen, 9 lbs. of phosphar-c acid, and 12 lbs. potash. At cur-rent manurial value this would make the hay worth about \$6 per ton for manure. But, in addition to this, it:
Challenge iderable, so that I should say that a social on of hay when consumed on the arm, should be worth about \$10 a Associal on as fortilizer.
I should very certainly advise buying hay at \$13 a ton to feed stock lers' Ason your own farm rather than having 15th, athem wintered at \$5 or \$6 a head on

Jeirs' As 30 your own farm rather than having th, a:there wintered at \$8 or \$8 a head on traw at a neighbor's. My experience s that \$8 or \$8 a winter cattle look like \$8 or \$6 a winter cattle in the pring:-J. H. Grisdale, Agricultur-st, C. E. F., Ottawa.

Will gree arrying a Ont.

Where heavier horses are tilated. Where heavier horses are used rations would need to be in-creased. A fair rule for a hard work-ing horse is a little better than 1 lb. of oats a day and a little less than a lo. of hay a day for each 100 lbs. in weight of the horse. That is, 105. In weight of the horse. That is, a 1600 Bbs. horse should have around 17 lbs. oats or meal, and around 16 lbs. of hay a day when at hard work.--J. H. Grisdale, Agri-culturist, C. E. F., Ottawa.

## Queries Re Cattle

 How to grow and handle alfairs?
How to distribute manure on the farm. What crops return the greatest value when manured?
What is the value of a ton of good 1. What breeds of cattle are best for aising stock for the market? 2. What month is best for having the

2. What month is best for having the cows calve in? 3. What breed of milk cows give the largest net gains, and yet are fair in the beef market?

the beef market? 4. Do you know of any man who has a good milking class of cows? Give his address.—A. E. M., Waba, Ont. the previous season, preferably with a hoed crop. It should be thoroughly

1. Shorthorns, Herefords and Aberdeen Angus are the cattle that pro-duce the best steers.

worked in the spring, then seeded down with about 25 lbs. of seed per acre. If a few bushels of surface soil from an old alfalfa field could be 2. Cows to produce calves intend-ed for beef had better drop them in March, April or May, preferably

3. There is no breed of milk co that gives a large net gain for milk, and at the same time a fair carcass of beef for the market. The milkmove any crop first year. Clip with a scythe or a high cutting mower Clip with scythe or a high cutting mower two or three times in the season. Do sot clip later than the first or second week in September. 9. Manure should be applied fairly frequently to different fields, rather than in large quantities, and at long intervals. Following a four or five more selection, annyling manure.

ing Shorthorn probably comes near-est filling the bill. 4. Any breeder of pure-breed Ayr-shires, Holsteins or Jerseys, could supply you with such animals as you supply you with such animals as you require, or if milking Shorthorns are needed, then I might refer you to the Central Experimental Farm, Ottawa See the live stock advrtisements in this issue.—J. H. G. intervals. Following a four or five rear's rotation, applying manure on the hoed crops, such as nots, corn or potatoes, will give the nost profitable returns. If the hoed trop cultivated is not sufficient to rullize all the manure, then it should

## Feeds for Young Animals-Draining Land

1. What are the best feeds for young animals, say, calves and fillies? (1) For growth: (2) Fitting for exhibition? 2. How should 1 proceed to drain some low land?

1. Good, clean, mixed hay, clean oat straw, bran, oats, roots and en-silage are all suitable for calves and fillies for good growth. Where they are to be fitted for exhibition, then the addition of oil cake meal, corn meal and in some cases barley to the bran and oats would prove ad-vantageous. For growth, one or two pounds of bran with a little oats addpounds of bran with a little cats add-ed, would be sufficient for either calves or fillies. For feeding for show, two or three pounds, and even slightly more, might be fed during the last part of the feeding period. 9. To drain low land, the first re-quirement would be to find a good outlet for the water, then it under-ground granding is introduced to have.

 Win regrang a strong bar of horses. A. M. S. Waha, Oz.
Miniske Ton such a green al question of the strong and the s ground grading is intended, to lay a good main tile along the lowest ly-ing part of the field. Later on later-

Farmers seem to have caught the home for the farm work by 7.30. They spirit of doing things quick as well could not do that with Old Tom, and are home people. In several instances so to do things quick the auto is the farmers starting to rapidly going to the farm. It seems their nearest over farmers starting to be catching all over Indiana as market, at 6 a.m., and getting back



mention the name of this publication when