gerous of all. Every horse shows his character in his head, and chiefly in the eye, just as certainly as a man shows his character in his face; although, as in the case of men, it is not always easy to read what is written in the equine features. But as to horses of positive character, positively good or positively bad, there need be no mistake. I once bought a mare of a dealer for a woman's use, without even taking her out of the stable. She seemed to be sound, and I felt sure from her eye that she was unusually gentle and safe, and so she proved to be. On the other hand, out of six or eight horses shown to me at a sale stable on another occasion, I rejected one-the best in the lot otherwise - because his eye, though not absolutely bad, was such as to arouse suspicion; and the owner afterward admitted to me that the animal was different from the rest in being a little " mean."

I mention these instances to show that any person of average intelligence can learn, by taking pains, to read the equine character. Horse dealers and trainers seldom make a study of this matter because they do not care about it. What you should look for is a large, clear, luminous eye; what you should ! distrust is a small eye, a protruding eye, a sunken eye, an eye that shows the white, glancing backward, which indicates had temper; and, above all, a glassy, tremulous eye, which indicates stupidity. It is hard to de scribe, but easily recognized. There should be a considerable space between the eyes. The ears and the carriage of them are hardly less significant. Well-cut ears that move continually with a general tendency to be pricked forward indicate a good and lively disposition. Large ears, if well shaped, are better than very small or "mouse" ears. Lop-ears, coarse eats, ears planted either very far apart or very close together, are to be viewed with great distrust.

Next in importance to the head come the feet. They should be of medium size, neither steep like a mule's, nor flat, but sloping at a medium angle. The best feet are "cup-shaped," that is, so formed that when you pick them up they will hold water.

As to the other points of a horse I shall not attempt to go into details, because I fear that they would convey information only to those who do not need it. But this may be said generally by way of advice: Avoid a longbacked or thin-waisted, still more a longlegged, horse. Look for a compact, rather low-standing beast, with a good head, good eyes, and well-shaped ears, and you cannot go far wrong.

Feeding Standards for Different Kinds of Animals.

It will be remembered that the primary functions of food are to repair the waste of the body, to promote growth in immature animals, and to furnish heat and energy. And, for these purposes, only the digestible portion of the food is to be taken into account. The amount of digestible protein, fat, and carbohydrates in a ration is an indication of its fitness to fulfil these purposes. The next question is, How much of these materials does an animal require, and in what proportion should they be given? This liffers with the purpose for which the animal s kept, whether it is growing, being fatened, used for work, or making milk. An ax standing in the stall requires less food nurients than one which is worked hard every

which is also furnished by the food nutrients, cided staple. In standing in the barn it still requires some. Up to a short while ago there was no record dency is to get fat.

curd), sugar, and ash, and these are all made tinent, as they deserve to be. comes poor, and does not yield the milk and the flock will well repay a visit to it.

stupid, for stupid horses are the most dangeday. That is, in drawing heavy loads the they are said to be better proof against between commerce and fancy, and the conanimal breaks down a certain amount of muse, fluke and footrot than most breeds of sheep. cular tissue, which must be replaced by pro- Their mutton is decidedly good, while the wool tein in the food, and it uses energy or force is of heavy weight, with a long, full, and de

> protein, fat, and carbohydrates to perform book for this breed, and no decided efforts had the necessary functions of the body, as digest been made to improve them to any extent tion, to maintain heat in winter, to grow a Now, however, an association has been formed, new coat of hair, etc. But if it is fed the with Mr. W. W. Chapman, London, as hon. same ration as when working hard the ten- secretary, which embraces both Romney Marsh sheep and Kentish sheep, the latter a some-The cow requires not only materials for what larger variety of the former. There is maintenance, but must also have protein, fat, 'every reason, then, to believe that in the and carbohydrates to make milk from. The future this breed will be more widely known milk contains water, fat, protein (casein, or and will be found in many parts of this con

> from the constituents of the food. If insuffi- The accompanying illustration is one of a cient protein, fat, and carbohydrates are con- ram of the breed mentioned. This is Prince, tained in the food given her, the cow supplies sire of the Ashford lambs, and whose owner this deficiency for a time by drawing on her is Mr. H. Page, Walmer Court, Walmer, own body, and gradually begins to shrink in Kent, England. The flock to which this ram quantity or quality of milk, or both. The belongs was established in 1852, and has al stingy feeder cheats himself as well as the ways been one of the leading flocks of Kencow. She suffers from hunger, although her tish sheep. Numerous prizes have been won belly is full of swale hay, but she also be- by Mr. Page at the Royal and elsewhere, and



The Kentish Ram, Prince. The property of Mr. H. Fage, Walner, Kent, England.

butter she should Her milk glands are a wonderful machine, but they can not make milk casein (curd) out of the carbohydrates in milk casein (curd) out of the carbohydrates in coarse, unappetizing, indigestible swale hay or sawdust any more than the farmer himself can make butter from skim-milk. She must not only have a generous supply of good food, but it must contain sufficient amounts of the nutrients needed for making milk. Until this fact is understood and appreciated, successful according to the curse. cessful, profitable dairying is out of the ques-tion. The cow must be regarded as a sort of She takes the raw materials living machine. given her in the form of food and works them over into milk. If the supply of proper materials is small, the output will be small. The cow that will not repay generous feeding should be disposed of at once and one bought that will. There are certain inbred characteristics which even liberal feeding cannot overcome.—From B alletin of United States Department of Agriculture.

Kentish or Romney Marsh Sheep.

The October number of THE JOURNAL last year contained an article on Romney Marsh The Present Position of Horse-Breeding in Great Britain.

By ALEX. MACHRILAGE.

(Concluded)

"The first cause of the scarcity of heavy draught horses luring the past decade was the extensive exponation of the very animals which would have gone to swell the ranks of commercial geldings for street traffic. This trade, as we have seen, only reached its zenith in 1890, and it is impossible therefore that the balance can have righted itself in the years which have intervened. Any one who attended the shows of 1894 will, however, admit that the number of big, growthy geldings is on the increase, and that within the Clydesdale breed horses can be produced as heavy as the most gluttohous contractor can desire, combined with beauty of form and wearing qualities which are not to be found in the representatives of any other breed or in Sheep, which very fairly described the many any cross. The second cause of the scarcity excellent points of this breed, which has is the tendency in showyard judging to prefer hitherto been kept rather in the background. beauty to strength, quality to size. This is a They are hardy, and of strong constitution, and tendency in the judging of every class of In my opinion, this is a class of horse foreign

tractor and dealer do not more eloquently denounce it in the horse world than do the butcher and the cattle, dealer in the boying Without the showyard and the world. pedigree register no breed of animals has ever been improved; but both the show and the register are good servants, but bad masters. The defence of fancy points in showyard judging is that the judges give prominence to those points which are most essential in the breed judged. Feet and legs are the most important points in draught horses, and in the show ring his is emphasized. The milk vessel and teats are the most important points in a dairy cow, and therefore in the show ring these are most insisted on when Ayrshires are being judged. Similar remarks may be made about other classes of stock. The skin is of firstrate importance in a breed of mountain sheep, and so some judges go all for skin and no frame. The defence here sketched may be good as far as it goes. Whether it is suffi cient is another matter. This is certain, alike in breeding and in judging, fancy points can only go a little way to determine the value of the draught horse. While not forgetting the main points, judges should remember that they are judging cart horses, not ponies - and strength is all-important in an animal whose life work is drawing loads. The first cause of scarcity we have seen is in a fair way of being removed; and the second, judging by the class of horses favored by district committees this year and last and the tendency in showyard judging last year, is also likely soon to be molitted, if not thogether dispensed with. We have quoted Wordie & Co.'s opinion in full, because they are a representative firm. Horses from 16 cwt. up to 20 cwt. in weight, when matured at five or six years old, are always in demand by such men, and for these horses they are willing to give from £70 to £100, according to merit. It is because we are firmly convinced that the Clydesdale breed can supply such horses that we have taken up this subject. With Wordie & Co. we are at one in thinking that the shortest way to breed such animals is to take big, open, rough Shire mares-we would not mind how coarse they were, if only they were sound and clear of side-bones -mate these with a sound-footed, broadboned, short-legged Clydesdale stallion. The produce would, in most cases, be an animal of the kind desired by the contractors. The speediest way to breed commercial stock of any kind is by crossing two distinct breeds. But yet it is true that the best commercial horses, the best geldings on record, have, with but few exceptions, been raised within breed limits. This leads to the discussion of the last point.

WHAT THE HOMEBRED HORSE MIGHT BE.

"Three of the principal horse dealers describe what they want in these terms. No. 1 says: Farmers must breed bigger horses, and let us have them practically sound. For a strong animal of this stamp, even although a little coarse, we will give £80 apiece at five years old. Size and soundness, with good feet and legs, and weighing up to 18 cwt. when in working condition. There is no difficulty in selling any number of such horses. No 2 says: Let farmers go in for breeding big, sound-constitutioned horses, with good feet, and look more for substance and weight and less for pasterns than of late years, as near to one ton in weight as possible. will live and thrive on very poor land, while stock. It is the cause of a standing quarrel competition can never put out of the market.