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No, we are not such admirers of the Clydesdale that we cannot see merit in any other breed. measure of all the qualities that pertain to draft administration must be observed. horses that one would be short-sighted, prejuwhich they spring. There is not very much use, -would only be opinion, to say he was or was not. before it is fitted for intestinal digestion.

The Suffolk Horse

EDITOR FARMER'S ADVOCATE:-

Some time ago, in February, 1907, to be exact, you published an article, "Why not Suffolks?" to which my attention has just been drawn. The impression give some attention to these points.

Fair this year, as we took the trouble to tape them. between the size of the stomach and the amount there is also less waste from "scattering" than if left Girths of 7-ft. 4ins., bone of 11-ins. below knee (flat and clean as a thoroughbred), and a weight of over the size of the stomach and the amount there is also less waste from "scattering" than if left of water drank tells us plainly that the horse to become dead ripe. Mouldy oats, like hay and any clean as a thoroughbred), and a weight of over and clean as a thoroughbred), and a weight of over 1,900 lbs. for three-year-olds are larger than any shoeing and without injury to their feet. We ask: much a draft horse as any other breed, being faster than any and only inferior in size to the largest shires. Of course, there is no sense in crossing too violently, and if we had well-bred Clyde or Shire mares, we should certainly breed them to their respective stallions. It is for improving the ordinary Western range mare that we import Suffolks, as they have England they say that the Suffolk horse is hardly These are the pick of the farms, and are Shire breed. Canada, and if by chance one were raised, he would be kept as an entire. At the same time, the Suffolk won the championship for draft horses, at the International Show in London this year, and at the cart- and half the labor of feeding. horse parade held in London on Whit-Monday we the parade for fifteen years. We have pure-bred mares with which, when not in foal, we are prepared to out-pull, out-walk and out-last any team of any

breed in the West. We quite agree with the ability of the Scotch stock Clyde horses. We have never met a man, other than small amount of work, or rest entirely for a few a Scotchman, who liked them. The Percheron is days, see that he receives a proportionate amount coming in with the American, and bids fair, in time, of feed. If this should be observed even on that there is less waste when ground; and, in common that there is less waste when ground; and, in common breeds are not represented in Canada is simply because the English stockman is not represented either. It may be news to many that the Clyde is unknown in England save on the Scotch borders, and in the Eastern counties the Suffolk has an entire monopoly. mouldy foods. These are frequent causes of hundred or more Suffolks and only one Shire.

natural consequence of centuries of selection, while the purity of the breed is proved by his unchanging form and color, and his ability to stamp his get with

Who can say that a horse with these qualities is not sore throat, or choking distemper. the equal of any as a draft and the superior of any as an agricultural horse?

NORMAN AQUES.

The Feeding of Horses

We recognize the very patent fact that in the four member the anatomical arrangement of the tible. New hay is difficult to digest, produces much digestive organs, as well as the physiological salivation or slobbering, and occasional purging and there are horses of exceptional merit, sires of functions performed by each one of them. Foods irritation of the skin. If fed at all, it should be mixed with old hay. world-wide repute. Down through the States, of feeding regular, the mode of preparation found must be wholesome, clean and sweet, the hours in the central and western parts especially, there by practical experience to be the best must be are Percheron horses possessed in so large a adhered to, and cleanliness in preparation and

diced against this breed, indeed, if he did not recog- gestion in the horse varies with the different ally fed to horses, the pea, according to most writers, foods. Hay and straw pass out of the stomach nize the fact that back of them there must be a much more quickly than oats. It would seem to for horses. The beards frequently become lodged in number of exceptionally meritorious Percheron follow, then, that oats should be given after hay, the mouth or throat, and are productive of more or the mouth or throat, and are productive of more or sires. Our correspondent refers to one. We for if reversed the hay would cause the oats less serious trouble. In the stomach and intestines could name him a number more without going to be sent onward into the intestines before they often serve as the nucleus of the "soft concreation to the authorities quoted for our information being fully acted upon by the stomach, and tions" which are to be described when treating of to the authorities quoted for our information. Dellig runy acted upon as a result produce indigestion. Experience con-We don't need to go down into the States either, firms this. There is another good reason why for individuals of this breed that are evidences hay should be given first, particularly if the horse of the greatness of some of the great sires from is very hungry or if exhausted from overwork, namely, it requires more food in mastication (insuring proper admixture of saliva) and cannot however, geetting up a discussion at the present be bolted, as are other grains. In either instance, time to discover whether Baron's Pride or some water must not be given soon after feding, as it horses, as the ingredients necessary for the complete other horse is peer of drafters. After all, it washes or sluices the food from the stomach nutrition of the body exist in them in the best pro-

The stomach begins to empty itself very soon after the commencement of feeding, and several hours are required to elapse before it is entirely empty. The nature of the work required of the and sweet. New oats are indigestible. Oats that horse must guide us in the selection of his food. have sprouted or fermented are injurious, and should given in small quantities and about two hours might be conveyed by that article that the Suffolk is before they go to work. Even horses intended for an inferior draft breed. There is also an idea held slow work must never be engorged with bulky, generally that he is not a big horse. We wish to innutritious food immediately before going to The small stomach of the horse would We are prepared to prove that our three-year-old seem to lead us to the conclusion that this animal Suffolk stallions out-weighed, out-girthed and out- should be fed in small quantities and often, one week before being fully ripe. Not only is the boned any winning Clyde of any age at the Dominion which, in reality, should be done. The disproportion grain richer in nutritive materials at this time, but should always be watered before feeding. One straw, not only produce serious digestive disorders, Clyde we have seen, and this after the stallions had of the common errors of feeding, and the one that worked on the land all the spring and travelled an produces more digestive disorders than any other average of 75 miles a week during the season, without is to feed too soon after a hard day's work. This must never be done. If a horse is completely What other breed can do this? The Suffolk is as jaded, it will be found beneficial to give him an value as a feeding stuff is variously estimated. It is alcoholic stimulant on going into the stable. A not to be depended upon if given alone, but may be small quantity may then be given, but his grain fed with other grains. It serves to keep the bowels should be withheld for one or two hours. The open. Sour bran is not to be given. It disorders same remarks will apply with equal force to the the stomach and intestines and may even produce horse that for any reason has been fasting for a serious results. long time. After a fast, feed less than the horse more compactness, hardness, purer breeding, activity, would eat; for if allowed too much, the stomach docility and capacity for work than any other breed. becomes engorged, its walls paralyzed and "colic" Of course, we don't expect to raise draft horses from is almost sure to follow. The horse should be fed range mares, nor could any other breed, and when in three or four times a day. It will answer to feed large enough for heavy draft, they mean a team of geldings weighing over a ton (2,240 lbs.) each, of the Shire heard. These are the Shire heard. These are the standard belongs weighing over a ton (2,240 lbs.) each, of the shire heard. through the intestinal track; bulk also favors slightly increase the action of the bowels and kidneys. found on the docks chiefly, and will never be raised distention, and thus, mechanically, absorption. They possess also certain alternative properties. in this country, for the simple reason that they are For horses that do slow work for the greater part better than the large majority of stallions in Western of their time, chopped or cut hay fed with crushed are fed. Some veterinary writers claim that chronic oats, ground corn, etc., is the best manner of feeding, as it gives the required bulk, saves time

Sudden changes of diet are always dangerous. have often seen teams of Suffolks which had attended When desirous of changing the food, do so very ing reasons:—To render the food more easily eaten; gradually. If a horse is accustomed to oats, a sudden change to a full meal of corn will almost always sicken him. If merely intending to increase the quantity of their usual feed, this also must be done gradually. The quantity of food men, also with their patriotism and enterprise, and all credit to them. We have always held that if there given must always be in proportion to the amount were no Scotchmen in Canada there would be no of labor to be performed. If a horse is to do a to predominate. The reason why the two English Saturday night and Sunday, there would be fewer with all grains, it is more easily digested than when cases of "Monday morning sickness" such as fed whole. colics, lymphangitis, etc.

Above all things, avoid feeding musty or pieces. At one of the largest shows in Suffolk there were a disease of different kinds. Lung troubles, such hundred or more Suffolks and only one Shire.

disease of different kinds. Lung troubles, such as bronchitis and "heaves," often follow the use

fresh, and possessing a sweet, pleasant aroma. Even never be fed.

this good hay, if kept for too great a length of time' loses part of its nourishment, and, while it may not In selecting food for the horse we should re- be positively injurious, it is hard, dry, and indiges-

The straws are not extensively fed in this country and when used at all they should be cut and mixed with hay and ground or crushed grain. Wheat, rye and oat straw are the ones most used, and of these, oat straw is most easily digested, and contains the The length of time occupied by stomach di- most nourishment. Pea and bean straw are occasion-

> Wheat and rye chaff should never be used as a food obstructions of the digestive tract.

> Oat chaff, if fed in small quantities and mixed with cut hay or corn fodder, is very much relished by horses. It is not to be given in large quantities, as I have repeatedly witnessed a troublesome and sometimes fatal diarrhoea following the practice of allowing horses or cattle free access to a pile of oat chaff.

Oats take precedence of all grains as a food for portions. Oats are, besides, more easily digested and a larger proportion absorbed and converted into various tissues of the body. Care must be taken in selecting oats. According to Stewart, the best oats are one year old, plump, short, hard, clean, bright Rapid or severe labor cannot be performed on a never be fed. Oats are to be given either whole or full stomach. For such labor, food must be crushed—whole in the majority of instances; crushed to old horses and those having defective teeth. Horses that bolt their feed are also best fed upon crushed oats and out of a manger large enough to permit of spreading the grain in a thin layer.

The average horse requires, in addition to the allowance of hay above mentioned, about twelve quarts of good oats daily. The best oats are those cut about but have been the undoubted cause of outbreaks of that dread disease in horses, already referred to, characterized by sudden inability to eat or drink sudden paralysis, and death.

The bran of wheat is the one most used, and its

Ground linseed is occasionally fed with other foods to keep the bowels open and to improve the condition of the skin. It is of particular service during convalescence, when the bowels are sluggish in their action. Linseed tea is often given in irritable or inflamed conditions of the digestive organs.

Carrots make a most excellent food, particularly sickness Thev The coat becomes smooth and glossy when carrots cough is cured by giving carrots for some time. The roots, then, may be considered as an adjunct to the regular regimen, and if fed in small quantities are highly beneficial.

Foods are prepared for feeding for any of the followto make it more digestible; to economize in amount; to give it some new property, and to preserve it. We have already spoken of the preparation of drying, and need not revert to this again, as it only serves to preserve the different foods. Drying does, however, change some of the properties of food, i.e., removes the laxative tendency of most of them.

The different grains are more easily eaten when

Hay and fodder are economized when cut in short eces. Not only will the horse eat the necessary amount in a shorter time, but it will be found that there is less waste, and the mastication of the grains

(whole or crushed) fed with them is insured. One objection to feeding cut hay mixed with ground In Suffolk they don't theorise about horses with of such foods. Musty hay is generally considered or crushed grains and wetted, must not be overtheories changing with each generation, but the to produce disorder of the kidney; and all know looked during the hot months. Such food is apt to activity, endurance and docility of the breed is the of the dangers to pregnant animals from feeding undergo fermentation if not feed directly after it is upon ergotized grasses or grains. It has often mixed, and the mixing trough even, unless frequently been said to produce that peculiar disease known scalded and cleaned, becomes sour, and enough of its variously as cerebro-spinal meningitis, putrid scrapings are given with the food to produce flatulent (wind) colic. A small amount of salt should always be mixed with such food. Bad hay should never be The best hay for horses is timothy. It should be cut simply because it insures a greater consumption about one year old, of a greenish color, crisp, clean, of it; bad foods are dear at any price and should