that one can do as a safeguard is to learn the noted as prolific producers. breeding qualities of his ancestors, and examine on them that is thickly wooled on all points and this improvement there is practically no limit. is good in his fleshing on the back and loin.

The most important quality in a ram is that one previously mentioned, masculinity, for with this quality there usually goes, all the other Editor Farmer's Advocate: characters desirable in a ram or flock. His face carry should be even and firm without a roll to me would the litters be all right. That my on any part of the body. On rams that have thoughts were not unfounded is now being flesh has "slipped" down to the fore flank leaving half of one sow's litter are partially paralyzed the back bare. Avoid a ram of this kind as you in the hind quarters. The largest, strongest would a mad dog. Such a condition is usually looking are the worst. They lie around and an indication that at one time the ram was in seem to sleep. The sow has lam on three, or high fit, likely for show purposes, and the chances they died naturally during night. I am notable are that he is unweildy in his movements, broken to say which. She has two yet that are not able down in the pasterns and useless as a breeder, to walk. None of the other sow's are entirely The fleece, too, is an important point to consider. knocked out, but am of the opinion they have at most 32 feet. It should be "alive," spring not dead to the some symptoms, but of lesser degree. One sow touch, densely covering the belly, thick on top, has had two litters before and never lost one. and if he is of a breed characterized by woolled Both are in pretty good flesh but scarcely think heads and legs see that he is well covered on too much so. The shoats that became crippled these points. They are the strongest indications were first somewhat scoured. Did not notice is taken as indicative of constitutional vigor,

seasonable just now; flocks are improved by liberal supply and have had green oats and heads. Is this frost killed wheat of much value weeding from them the old and faulty sheep, barley ever since it was large enough to use. as feed for cows? Some claim it is no better drafts made from the lamb flocks to fill the seen anything of the kind before and can point now, but not if left till the unfrozen wheat gets vacancies. The points that should be considered one to a removal of the cause. in weeding out the older ewes are in the first instance age, together with such defects as broken mouths, rupture, bad udders or indifference as breeders. Ewes that are defective in fleece or form should be eliminated from the flock just as rapidly as individuals of superior merit in these respects can be secured to take their places. Weak necked, mean headed females, ewes with loose fleeces, flat ribs and scraggy quarters should be taken out of the breeding flock just as quickly as younger breeders more densely woolled, stronger in constitution and fuller in fleshing can be bred up.

being a good milker, that is her type should correct the condition. verge strongly towards that which is typical of . For the shoats that are crippled up we would the processes of growth have ceased, before the a good dairy cow. She should be somewhat advice purging with two ounces of raw linseed plant has poured upward all the available and wedge shaped, deep in the chest and body, wide oil, repeating the dose in 24 hours if necessary, transportable growth producing nutrients it across the loins and hips. The flesh as in the Feed on milk, bran, grass, rape, etc. Give suf- contains in its useless endeavor to develop seed. ram should be even, with lots of it on the back, ficient of Epsom salts, sulphur and powdered Frosted grain intended for hay, should be cut at and no bunches around the tail head. The same charcoal in the food, to keep the bowels moving about the same stage of maturity as ordinary

percentage of pairs and all seem strong, vigorous that is a good breeder. The tendency to pro- grains of nux vomica to each pig three times and growthy then the ram's value may be easily duce twin lambs is largely hereditary, hence daily, until the paralysis disappears. determined. But when purchasing a ram lamb, in making selections of breeders care should be For the sucking pigs that are affected give a or one whose progeny cannot be inspected all taken to choose those that come from a strain dose of castor oil, two table spoonfuls in some

him carefully to see if he individually has the quickly improved by careful selection than sheep. conformation, fleecing and other qualities desired. The early age at which they reach maturity in his offspring. It must always be remembered makes it possible in a very few years to affect feed and too little exercise. The sow is probably in choosing a ram that he should be exceptionally vast improvements in the flock of this principle a heavy milker, turn her out and provide plenty strong in those points in which the ewes as a if selection and weeding is kept steadily in view. of salt, charcoal and ashes for her and the litter. class are weak, that is, if the ewes show a ten- The annual progress of a flock is effected by the dency to run bare in fleecing underneath or are withdrawal of the weaker members and the cine if it won't eat, is to use an old shoe with inclined to be raw on top, a ram should be used importation of the newest and the best, and to the toe cut off, pressed into the mouth to keep

Hog Trouble: Paralysis.

Something strange happens to my hogs. should be somewhat short and broad between Have a spring litter five months' old confined in the ears. The neck should be full and strong,, a fenced corral. We feed moistened chop (all swelling smoothly and firmly into the shoulder, oats and first class grain) noon and night and rising thick and strong in the crest, but of not green feed (rape, mangolds, or corn) at noon. too great a length. These things in a large A pair of brood sows also under identical conmeasure constitute masculinity. Then there is ditions. About a month ago one of the shoats should be deep, its floor sinking well down noticed her lying about a good deal and when frequently asked: between the forelegs, and broad. The ribs molested seemed to have some trouble to get a "Will water run behind the shoulder should be deep, well sprung move on. The trouble seemed in the hind part, of 100 yards provided the outlet is lower than out from the back bone, making the girth large, something like a weak back. When up a while the inlet?"

and giving to the brisket in front plenty seemed to be fairly good. We threw her into

Sask.

F. W. prominence and width. These features are the corral and she seemed all right in a day or indicative of constitutional strength, stamina two. It was only a few days till we noticed and vigor. A ram should be short in the legs. some more showing actions similar to the above. No matter of what breed he is he should be close Sometimes the hind quarters refused to work at to the ground with the legs straight and strong. all and would trail three or four yards, presently A straight leg is one that shows no tendency to it would become natural and the hog would buckle in or out at the knee. A strong leg one hustle round the trough eating as usual. Once that is flat and fairly large in the bone with good or twice a meal was refused but very seldom. straight upstanding pasterns. Excessive flesh- I watched the brood sows but saw no signs of ing should not be looked for, but the flesh he does any trouble with them, but the thought occurred been highly fitted we sometimes find that the proven. Both sows have farrowed. About oneof breed character. A well woolled belly, too, any of them seriously affected that way. I am blaming the rape, but two of the shoats went off A word also on the selection of ewes might be on a feed of mangolds. They have not had a very

> Man. G. A.

In selecting lambs to enter the ewe flock affected. It is a disease more common to young complete. By the time this condition is reached individuals should be chosen that conform to than to older pigs. From the rations you have the stem and leaves have been pretty well depleted the type desired. The same strength in neck and been feeding it is difficult to see how it should be of all the nourishing matter which they contain, head is not looked for in them that is required induced by the feed, unless the oats and other hence it is that straw contains little material for in the ram. The face may be longer, the neck grain were out of all proportion to the green feed, flesh or milk production when fed to animals. more feminine in conformation, but the body and the corral too small to afford any room for For this reason timothy or any of our grasses, should be deep, the heart girth full, the ribs exercise at all. We never heard of rape, man- are cut before maturity is reached, in order that long and well sprung to provide lots of room for golds or green corn being injurious in this way, their nutrients may be contained in the stem the growing lamb. She should show signs of It is just such food as this that is required to and leaf, not in the seed. Similarly wheat or any

new milk. And then follow next day with six There is no class of live stock that may be more grains of calomel. The application of pure turpentine over the loins is also beneficial. These ones may only be suffering from too much

The best way to drench a pig or to give medithe jaws open. The liquid is poured into the shoe and passes into the throat of the animal from the opening in the toe.

FARM

Carrying Water by Syphon.

In districts where the water supply is not the important matter of constitution. The chest got out and remained out some days, when I very abundant questions like the following are

"Will water run through a siphon a distance

The length of a siphon does not materially effect its working only as far as it increases the danger of air getting into the pipe. The explanation of the siphon lies in the fact that the pressure of air upon the surface of a body of water is equal to the weight of a column of water 32 feet in height in a case where there is no air pressure upon the top. Thus, when the air is removed from a hose by sucking or by filling it with water and one end put in a barrel the water will run through the hose to a point below the surface of the supply only so long as the hose does not carry the water up more than 32 feet. In practice, however, very few siphons will carry water this high on account of air getting in. Most calculation place the height at 21 feet which is safe and always gives satisfaction. Our correspondent will be able, therefore, to run water 100 yards by siphon provided he does not need to run it over a rise of more than 21 feet or

Cutting Frosted Grain for Feed.

A reader at Fillmore, Sask., writes us as follows: "The frost of Aug. 21st, killed the larger part of the growing wheat in this section of the country. The wheat was all well headed out and the grain was just beginning to form in the ripe, kindly give us your opinion.'

Any grain whether frosted or not, makes more From these symptoms we would infer that nutritious hay feed for stock if cut before it your pigs are suffering from partial paralysis, ripens its grain. As the process of ripening a disease not uncommon among swine but seldom proceeds the nutrients taken up by the soil and found as general in a herd as it is in yours. Par- elaborated into food within the plant, are transalysis may arise from a number of causes, the ported upward and stored within the seed. For usual one being over-feeding on dry food with some time previous to complete maturity, the insufficient exercise. It may be due to hereditary roots die off, and the plant draws no further predisposition, or it may occur from no obvious nourishment from the soil. But the transportcause whatever. In this case we would be ation of the food materials previously taken in, inclined to think that it has been transmitted goes steadily on. The nutrients in the stem and from the sows to the young stock which might leaves, continues to be forced into the developeasily occur without the sows themselves being ing seed, until finally growth in that quarter is grain that has been frosted should be cut before thing in the matter of fleecing applies to her freely, say about a dessert spoonful of each grasses, say timothy, intended for this purpose, as was remarked in the ram. It should have daily. Turn them into a grass field and provide all the density possible, with plenty undershelter. They must get regular exercise and iately after the frost occurs since no more neath. She should, too, be the offspring of a ewe plenty of green food. In the meantime give ten growth can be made.