sympathy with the subject he is endeavoring to teach before much interest in it may be EDITOR FARMER'S ADVOCATE: aroused in the minds of the pupils. He needs knowledge of the underlying principles, and never raised foals, but I want to breed them this has the colic and the man takes the medicine, the ability and training to apply those principles spring. What treatment should I give them to care is most uncertain. Don't leave this to the to the solution of particular problems. Agri- aid in getting them in foal? They are in very hired man. Watch it given. A little exericse culture is not a dead science. It cannot be taught as mathematics are, or as literature is, in the public schools, by storing the memory no reason why there should be any trouble getting with certain facts. Knowledge of its under- close knit, solid mares, are not as ready breeders lying principles is valuable only as it may be as the more loose and open type, but it does not practically applied. The interesting part, follow that the former are generally non-breeders. therefore, of agricultural study, and the part mare, makes a phenomenal breeder.

The age at which a mare is first bred, someteacher of the principle with the practice, times has something to do with getting them in Previously, we have been trying, where we generally accepted that to get the best of a brood department of the subject in which interest several foals.

The first step in the remedying of this condition of affairs lies in the education of the the subject, and treat his mares accordingly. teachers. If their knowledge of agriculture is derived in the manner in which it previously teaching of the subject in our public schools. with a training in the connecting of dry fact around by hoppling them and breeding them differences could be noticed. There were no inwith interesting practice, is the result that against their wills. This generally results in their tervals of ease, because the pain was constant. should follow logically upon the spending by college. Too many of them now have too little stable for days without exercise or work. necessary for the successful teaching of it.

HORSE

We have just completed arrangements for new premiums for horsemen. Splendid photo and solely to pain in the colon, or large bowels, engravings of the celebrated Clydesdale Stal- but now it is loosely given to any and every kind have been well. But, if as is usual in such cases, lions, Baron's Pride, Hiawatha and Oyama, of abdominal pain. Whether the pain arises in it became stopped, blocked up, say by a mass of have been purchased, and will be given to any- the stomach, intestines, liver, kidneys, bladder or partly digested food or even by some fold of the one who helps us with our subscription work. any other organ it is called colic. This is un-bowels, this gas will accumulate and inflate the For two new names at \$1.50 we will send the fortunate for several reasons. A farmer sees his bowels to such an extent that there may even three pictures, or for one new name at \$1.50, horse in pain,—he immediately flies to some be a rupture. which ever two pictures are asked for.

Many of our readers already have a Baron's Pride picture, and this gives them a chance to colic, i. e. abdominal pains, arise from different other words we must open the passage. Per-

-paper.

Getting the Harness Ready

elasticity and wearing qualities.

of vinegar and put pieces of iron in it, for three or four swelling.

Breeding Aged Mares

I have a pair of mares 12 years of age that have good condition, and are built close and solid.

The fact of these mares being as described, is ginger may be added if desired. them in foal. It is popularily supposed that In fact it is often the case, that a close, solid

have tried at all, to teach some hard and dry mare of which she is capable, she should be bred basic facts regarding agriculture, leaving un- before she is six or eight years old, but we have touched the larger, and to the child, the only crippled and too old to work, go on and raise

Of course it is quite frequently the case that ticular case. Let me repeat. mares become sterile, and we suggest that out versal cure for all forms of colic, enquirer read "Whip's" article in this issue, on

should take, with breeding mares. Avoid sudden is one of the most common drugs to be found in changes of feed, sudden changes from idle- the farm house. It is cheap. has been, or is not derived at all, as is more com- ness to work. Protect from exposure. Keep best of all, it can do no no harm. monly true, no progress may be expected in the the digestive system in natural condition, and return regularily to the horse.

Broad sympathy with the subject, together any time and in such cases they may be brought yet by a little careful examination various little

coming regularity. Do not make the mistake of being too kind. our teachers of a brief time at the agricultural Work the mares regularly, but do not abuse fuller than usual, or, in other words, it was swollen them. Do not leave them standing in the This swelling was to be seen more especially in the understanding of what the term agriculture feed heavily. Try to keep near normal condi- right side. Very probably the hollow had quite means and implies, let alone the training tions, and in the state of nature, horses breed disappeared somewhat later then they are customarily bred

Common Colics

EDITOR FARMER'S ADVOCATE:

horses is what is popularly known as "colic.

quack medicine, some cure-all for colic, and the Now what shall we do in such a case? The gas result is—death of the horse. Veterinary sur- is there. It must come away, and we must geons know that the sixteen or seventeen kinds of remove the cause of this fermentation, also. by wasting valuable time.

days until the fluid is a deep golden color. Give the Now for treatment: This disease resembles Suppose, now, however, that he had given, say leather a good coat of the fluid. When it dries blue, gripes, or colic or belly-ache in man. What rather less than a half teacup full of turpentine take a cotton cloth and rub the harness thoroughly, would you do for yourself if you personally had (to be exact 1 ounce) added to a pint of raw linafter which take a quart of neatsfoot oil and half a an attack of gripes? Remember the horse is seed oil, what would have been the result? Why Harness treated in this way, may be kept in good then, what would you do if you yourself suffered to move onward the blocking material.

form by going over it occasionally, with a sponge and from colic? A good glass of spirits is not a bad If he had lived near a chemist he should have

try the same thing for the horse. Try the effect of half a cup of whisky added to a cup and a half of water, and give this as a dose.

N.B. See that the horse has it. If the horse peat as desired—say, every half hour. A little

There are few fatal cases from this form of colic, if the disease be not complicated by the addition of other troubles, and many cases pass away unaided. This is the form that gives the quack medicine, the patent cure-alls their credit. A horse is sick from colic—a dose of Couper's Cure for Colic is given—the horse recovers. A glowing letter of thanks is sent to the manu facturing chemist (who knows as much about horses' diseases, as the horse knows of his, and who probably got the prescription second-hand from a veterinary). However the letter is sent and published broadcast. Now, note the result: Farmer Giles reads it, buys a bottle, tries it in a case of colic and his horse dies. Why? Simply because it was the wrong medicine for his par-

I have given a cure which is very little known outside the profession, yet it almost invariably But there are precautions which everyone succeeds. Whisky (or any alcoholic beverage)

Flatulent Colic.—Now let us notice Farmer Giles' case, in which the patent mixture failed. Very often a mare will not take the horse at There were, to a great extent, the same symptoms, It was perhaps not quite so violent, but it was continuous. The body, too, appeared to be Do not hollow just in front of the hip, particularly on the

Here the Farmer had a much more dangerous disease to treat. It was most probably caused by the food. Other reasons may be given, but follow them to the root and you will arrive at the same conclusion. Some food inside, instead of passing onward as usual had through various Speaking both as a farmer and as a veterinary causes become arrested. The heat and moisture PREMIUM PICTURES OF GREAT HORSES surgeon, I find the most common ailment of inside the body, aided most invariably by bacteria caused the formation of gas. Now had the Originally this term colic, was applied rightly passage been clear this might have passed away as readily as it had been formed. Then all would

make an interesting collection, as we will from causes, have their seat in different organs, and re-sonally I never hesitate for a moment in such a time to time get pictures of other great horses. quire different treatment, and we know also that case, to push an instrument called a trocar and The engravings are 8 x 11 inches in size, and the treatment for one may be fatal for another,— canula through the skin and into the bowel and are printed in soft tones, on heavy coated since it either kills by increasing the trouble, or thus allow the gas to escape. I have saved many a desperate case by this and have yet to see my It is quite impossible for the average farmer to first bad result. Having got rid of the gas, we diagnose all these forms of disease, but the three must get the bowels to work freely and we must and the spring, before heavy work begins, is as good Spasmodic Colic.—In the first case we have mistake is made by many so-called horse doctors. a time as any for putting it into shape. It needs to what is known as Spasmodic colic, or the common It is usual with some to give a dose of laudanum be cleaned, oiled and repaired, broken traces mended, colic. In this case there is the usual pawing, with the intention of easing the pain, and, so far, torn parts sewn up, last year's deposit of dirt washed rolling and looking back to the flanks—but notice so good, although it is curing the result, not the out, and the leather oiled, to maintain its softness, particularly there are intervals of ease, during cause. Laudanum has not only the effect of To properly clean and oil harness proceed as which these actions cease, and the horse may deadening pain—the peristaltic movements as we follows: Take the harness apart, and place the parts even eat. Hence, we say, the pain comes in say—so that by paralysing the bowels it prevents in a tub of luke warm water with a handful of wash- spasms or is spasmodic. Notice also that there this offending material passing onwards, and this Let it soak about 20 mniutes, and is no abdominal swelling. Here, then, we have materially aids in the formation of the products When the leather is nearly dry may be regarded as diagnostic, viz.—the pain gas to accumulate. The result of using laudanum

thing, and-may even be repeated. Suppose we asked him to add a dram of Fluid Extract of

Belladonna. This drug num in deadening pain action of the bowels. B

rid of the gas already i It may be that the b rectum—the last piece use a pump or syringe a of warm water. This 1 thing obstructing the w it away. Not only this last part of the bowel generally find that thi cated to the whole in a the whole trouble is rer comes away readily. 1 syringe? Well, I have rubber hose and a ten used a rubber spout from end, raised up the oth from a jug into it. Suppose you have no

do as I have often done off your coat, roll up y with the warm water (c gently force it inside, a perhaps enough of the b the rest to pass. Mean intestines are inflated throws himself violentl even rupture these sw to give him some exerc tion of the bowels, bu stable, be so secured th

self violently. Enteritis.-Now we most dreaded form of c tion of the bowels. W symptoms as in the otl ing, looking back to the first we have no perior second we have no blo To the trained eye

ferences, but a recapitu erage farmer would only are some diagnostic syr could distinguish. The sensitive to the touch rubbed he will show si use his heels or teeth. his belly gives ease. turn on his back in o from his abdomen bed again he frequently I manure; in fact, he s to have a form of diarr the eyelid it will be not

beef appearance. It is most important from the two preceding is radically different. desire was, to stimulat

the pain. In the second we reli bowels to move, and g present case we want body, and more espec If we can stop the action Nature may remove th held post morten exa flamed part did not ex In other case

For the purpose of (of the best drugs to giv either powdered opiur We must have

Tincture of aconite dition, if we could only known a tablespoonfu given to a horse and re results, while fifteen d other kind. For this recommend its use.

Now a few words i worth at present a lot a number of years for surgeon to amount to For this reason I earr waste no time. If the -if there be any sign be present, hurry away

An hour's delay ma the help of that wo local quack, who with