S ON THE SOIL ing, the effect of the lue of both as an aid and more particutaken into consideraetails, it may be said is concerned, everye hay crop. Seeding alued parts of a rotats of the provinces, remaining fertility is on, it will be seen that whether it be brome, Ifa, are bound sooner it part.

CONTROLLING OR

WEEDS g or eradicating wild eeds, both the grass be made to serve a ong slightly different c attempt is being ld, the grass-plot will e until they can be for the purpose of is probably no better made summer-fallow e seeding, and sowing May, cutting them d and again cultivatoring, cultivate again any crop that can be re the wild oats have plan, if persisted in will almost certainly field.

ted as true, it would d invariably have the uning that every farm do not believe that in o place entire dependhas a hay-field, the ock is usually settled ently early in the seas being sown for hay, g and the consequent partial failure of the and the early part of lition of the hay crop i few acres of stubblend seeded with 21 to 3 ald be depended upon odder.

irmer should have a because, on the averrily and more cheaply crop is easily handled; the equal of the avere; it is invaluable in a estoring humus to the at assistance in checkspense until they can d because the surplus, fetches a higher price rcumstances indicate, the year the grass seed ay crop till the followa short hay crop, and he eradication of weed g taken to sow only any part of the crop

D. G. MACKAY.

## vors Oat Sheaves

TE: estion as to which is 'se' feed, tame hay or ce to say that, in my sheaf out-classes, in variety of tame hay ved adaptable to the othy is a typical hay pular and most widely the province, I will ast which to build up

ald judge that all ads ought to be consid--particularly those to to the farmer. Also be considered in the ces, taking the average r than that of the few modern conveniences. he horse, upon which consequence, as here very nearly balance nevertheless, there are few points to be advanced from outside. No worry about the right amount

in favor of the sheaf.

with it; weeds are also scarce, as a good crop of oat crop than from an average hay crop. being off oats all winter and then coming on weeks about a month before the spring opening, gives And, finally, though I truly believe that green I important advantages regarding feeding.

We shall now consider the advantages gained ditions. to the land. The land on which you grow the two crops should be about the same; fairly strong to ensure a good crop. But if, as is often the case, wild oats, false flax, skunktail or couch grass, what are the results? In the green oat crop, with a proper method of handling, these weeds, especially the wild oats, may be almost comin a nurse crop. Two season's hay crops are cept very cheap land, in fact, there is no country, grain, threshing, or plowing. taken off. This gives the land three years with except this, where it would ever be thought of However, I think it is a good plan to stack taken off. This gives the land three years with except this, where it would ever be thought of generally make their appearance in the succeed- in fact, taking the country all over, it is doubtful moulded. ing wheat crop. The land after hav is left the if the chaff is all used for feed) what is to hinder sive wheat crops after the hay and compare during the idle months? Oats, to make hay, have everything into consideration, no very great and the grain so that you gain nothing. You hay entirely and burn straw.

farmer. All those advantages already mentioned, question to be decided by others. of course, sum up to him; but there are other est to grow, it leaves the land in the best shape. Some might contend that getting two crops at comparison to the work done on the hay crops, expense. and the need of cultivation to keep down the a benefit rather than a loss, even were it only to a drill with a grass seed attachment, by which to coiling and stacking hay. In feeding, the sheaves season. are the handier, especially, if you have to feed

to feed, as that, by a little thought may be regu-You have a uniform allowance, tied in a neat lated on the binder. Mention of the binder Editor Farmer's Advocate: bundle, to be fed the year round, which is easily brings to one's mind the fact that you use twine handled, and there is no danger of an over or in tying oat sheaves. Yes, but it is not necessary 'Which is better to grow for horse feed, tame under feed being given; no matter how windy to do so unless you are convinced that the twine hay or oats cut green" I settled the question in

of greenness, just when the top oats are turning I shall now offer a few remarks on certain figured this all out and although I am of the same color, the horse will eat all the sheaf, and there phases of the rations not already mentioned. opinion still, I am open to conviction, but would is no waste-no old stubble or such litter mixed in In bulk, you receive more from an average green like to see the man that can convince me. You green oats will smother them out-quite the can sell any surplus you may have without the best and most convenient feed we can get. reverse sometimes happens with timothy hay, the use of a pair of scales. Outside in the stack They are very handy to take out of a stack, to Another advantage is that the horse will start the butts only are exposed to the weather. haul, and for use in the stable. They are not eating as soon as he gets his sheaf and not stand There is slight danger of rusty or musty sheaves wasteful, especially in a high wind. They are waiting for his oats. Sheaves well cured and if you observe the following rules: cut before the the best feed for idle horses as they cannot bolt clean make a splendid and safe fodder for brood rust comes on, stook in small round stooks and, or waste them, as they generally do with threshed mares and young colts, on account of their strong as we do, on the plowed ground (part of our plan grain. nourishing properties. In winter, there is no in killing wild oats), this lets the wind in under better or cheaper food for idle horses than the stook—no stubble to hinder it. Also the better with hay and oats. They will not scour green oat sheaf, when fed alone. Horses are black, fresh earth will hold and reflect more heat so much on the road and do better every way. kept in good condition, while they are more from the sun than stubble land, making a hotter Working horses require more grain than idle easily handled than those fed too many oats, and drier curing ground. In decent weather, ones and with hay a person knows exactly how and are not so liable to stock in the legs. After sheaves may be cured in this way in about two much grain he is feeding, which he does not if

the horses a healthy and vigorous lift for the hard oat sheaves are better than hay, yet a little work. Besides being a handy and convenient experience along both these lines would do no-feed hay worth anywhere from five to fifteen feed for winter, oat sheaves are also very con-body any harm. You may read of this or that dollars per ton and oats that cost four or five venient for away-from-home work, such as wood- man's experiences, but unless you do a little cents per bushel to thresh, when you can feed the hauling or road work. These are the most experimenting for yourself, you can never find same oats in the sheaf and make use of the straw out the real facts as they exist under your con- which has no market value.

> Langford, Mun., Man. JOHN E. SLATER.

## Horses

EDITOR FARMER'S ADVOCATE:

Let us consider the benefits reaped by the be in the straw, but I will leave that side of the you can then feed which you like

Take an average field which, if allowed to advantages besides those coming to him through ripen, would yield forty bushels to the acre; by the horse and the land. Principally, they may be found in the outlay and returns. We will cutting at the green stage you lose one-half, and presume that the farmer is to grow the seed; the other half will be very inferior quality. If EDITOR FARMER'S ADVOCATE:

"Rusticus." Dufferin Mun., Man.

## Likes Both Hay and Sheaves

When I read the question in your paper and wet the weather may be, or how tired and pays for itself, in lack of waste, saving of time, my own mind almost immediately, but I always out-of-sorts you may feel. Cut at the right shade feeding conveniences, etc.

Just at this time of year, oat sheaves are about

Horses that are driving or working steady are feeding sheaves. When working a team hard, prefer even straw and oats to sheaves.

But it certainly does not look economical to

Horses are better with a little hay as spring approaches and during the rush of summer's work they almost have to get it. I have seen horses worked without hay or oats either, but it you sow on a piece of dirty ground infected with Should Consider Economy of Feeding does not pay. If a man has hay to spare in the spring he can generally get a good price for it.

Just now the question of time enters the subject. From the first of seeding until freeze-up, In taking up a question of this kind viz: hay the farmer should make every day count. To pletely eradicated. (This is a fact we have or green oats for horses, we have to look at it from plow extra land and sow it to oats takes considerproved by a unique method which we are fol- the viewpoint of economy, without losing sight able time right in the busy season, but a man can lowing by the aid of the green oat crop. We of having horses fit to do their work when re-sow his grass seed along with his barley or other believe it to be one of the most effective methods quired. As most horses on farms are idle for five grain and lose no time or labor. Haying time ever used in combatting this weed. It entails months of the year, the question will naturally comes just before harvest and a man can put up a certain amount of extra work, but the results resolve itself into how to feed horses during the his hay then, while if he had no hay he would are worth it. Some other time, I will describe idle or winter period, and during the summer or probably do nothing and lose valuable time. these methods.) Now for the grass crop. The working season. It is, in the writer's opinion, a If he depend entirely on green oats, he would grass seed (timothy) is sown a year in advance ruinous practise to grow oats for hay on any ex- spend time on them when he should be stacking

no cultivation, making an excellent breeding unless to feed to dairy cows or something from up some oats in the fall especially if barn room ground for the above mentioned weeds, except which a much better revenue is derived than from is scarce. The sheaves will be fresher than hay the wild oats. These lie buried in the soil and idle horses. Where straw is so plentiful, (and, that has stood out in the weather and perhaps

I like my oat sheaves ripe enough to thresh, stronger. But, if you were to grow two succes- it from forming the bulk of the roughage used if necessary, but not ripe enough to shell easy. Perhaps it is outside the subject to mention them with the two wheat crops following the to be cut very green, for unless cut in the early the good that growing hay and rotation does the two green oat crops, there would be, taking milk stage, they have a way of ripening the straw soil, but anyway, it would be expensive to use

difference in the profits obtained. Our method are feeding oats and straw without the apparent On the other hand, oat sheaves alone are not of working the green oat ground will also stand results seen by feeding separate. By cutting at enough the year around, so I say grow both. this green stage, the nourishment may, of course, A change of feed is a great thing for horses and

Louise Mun., Man. ALLAN MCEWEN.

## "The Real Draft Horse"

presume that the farmer is to grow the seed; the other half will be very interior quality. If In your issue of January 27th, I notice the letter of were he to do so, the cost would be about the same any farmer cares to try, he will find by threshing Mr. Rawlinson of Mayton, Alta., on "Real Draft in either case, for though the grass seed is the hard- the oats he will save half of them and still have his Horses." The draft horse of today must have besides weight, something to stand on, first good feet, horses fit to go on and do their summer's work. besides weight, something to stand on, first good feet, long sloping pasterns, nice flat bone, good straight one seeding is an advantage in favor of hay. By sowing a few acres of corn and giving them a action, keeping the hocks well together at both the But this advantage is made insignificant when you sheaf of that every day, straw for the balance and walk and trot. The Clydesdale will hold his own against all other breeds in these points of the modern consider the facility with which out seed is grown, by putting a little ground flax into the outs fed, draft horse. Mr. Rawlinson claims that it is the the minimum amount of work in sowing and horses will gain and be healthy, with very little Shire you see moving the big load in the cities of the harvesting the two separate green pat crops in geldings bred in Cumberland and Dumfriesshire, and During the working season the horse deserves other border counties, find a market. Mr. A. Foster weeds. (I would consider the extra cultivation to be fed well and even if timothy hay is eight of Carlisle, one of the largest horse dealers in the obtained in preparing for a second green oat crop or ten dollars a ton it is better to feed it than sell north of England, has a demand for more than he can or ten dollars a ton it is better to feed it than sell supply in London. I guess they will go down to Lon-it. On any farm that the owner intends to stay don for "vanners," as Mr. Rawlinson terms them. Allow me to contrast the work in the two crops. on for any length of time, it is necessary to seed it I know the class of horses they raise on the Border, being a Border man myself. A few years ago, when In the seeding you sow the grass seed, in the calm down, and the first crop, at least, should be cut the Royal Show was held in Carlisle, the agricultural of the early morning, or hunt the neighbor for for hay, which can be fed to working horses at a class for two and three-year-old geldings was conprofit. To sum up, while not disparaging green sidered by many good judges, to be the best ever sow it—such an implement, it seems, is very hard to get hold of, in this country. A green oat oats, which have a place on the farm such as a horses as "Lord Lothian" "Royal Citizen" etc., has crop is sown similar to any other grain crop, only change for colts, calves and milking cows, it is made this district famous. The latter horse is now late in the spring after the principal rush is over. better to thresh the oats for horses, feeding straw on the Berder. The China and the latter horse is now in British Columbia, but he has left some fine stock late in the spring after the principal rush is over. better to thresh the oats for horses, feeding straw on the Border. The Shire men will have to import a lit is also cut before the harvest rush comes on and and corn for roughage during the winter, and better class of horses, if they want to get them is stacked shortly after all the grain is cut. The tame hay along with the oats in the working work is not nearly so heavy as mowing, raking, Gladstone, Man. WM. ARMSTRONG.