of marks being deducted from competions for the best cultivated farms, because the farmers do not plough in all their dung.

Clay-farms, - According to a very learned article in a U.S agricultural paper, it is not judicious to plough clays when they are wet! In S. E. England, we went further than that; we would rather turn the men out to play at skittles than allow them to let a horse set his foot on clay land until the exact point between wet and dry had arrived. As we currently say, in that country: a man, to farm clays properly, ought to have been born and bred on a clay-farm. But a claysoil in England, or a carse-farm in Scotland, is a very different thing to our mild Canada clays. One or two points, however, may be considered established beyond dispute. roll after the plough before harrowing; and a good, heavy storm of rain will do more towards mouldering down clods than twenty strokes of the harrows. The finest crop of white turnips we ever grew were after tares; the land, a heavy, nasty clay on the outlying beds of the London clay, broke up in clods as big as the horses' heads—it took 4 large horses and a turn-rice plough to work it—, the clods lay till quite dried through they rang, when struck, like bricksa heavy rain followed, and the clods melted away after the harrows till the whole piece was like a bed of ashes.

FARM-WORK FOR APRIL.

As we write, March 4th, a beautiful East wind is blowing, carrying with it a heavy burden of fine snow flakes, and yet we know that within three weeks, or so, of the present date, April 1st, the fields will probably be, in this district, free from their wintry mantle, and the harrows at work covering in the seed of coreas and pulse. But, we must not forget that the work of spring seeding needs some prevision, some fore-sight il If the fine weather overtakes us with our implements all in disorder, our harrow tines unsharpened, our plough-irons foul, with the rust of the past season of idleness unremoved, it is not unlikely that a day's work at the forge, when the work of the fields is awaiting us, may be the precursor of a week's forced inactivity at this the most momentous season of the year. For, how often have we seen, in this changeable climate, the first fine day or two succeeded by a week or ten day's rain. In 1874 or 1875, May opened brilliantly, we remember well the worrying delays caused by the rain during the following three weeks, during which no sowing could be done ing which no sowing could be done. At Chambly, in 1865, my good friend, Monsieur Breux, was at work in the early morning, sowing pease, on the 28th April; at 10 A. M. the rain began to pour down as from a water-cart, and not another bushel did be sow till the 1st June. So look out in

sow till the 1st June. So look out in time, and get everything ready
Do not be afraid of burying your seed a little deeper than is usual here. Pease from 3 to 4 inches; whest, barley, and oats from 2 to 3 inches. And if you stint anything on your farm do not let it be the seed. We must not forget that the worse the condition of the land, the more seed is condition of the land, the more seed is required; and the same rule obtains as to the sesson of sowing if 3 bushels of cate are thick seeding enough for an acre of land in good fettle in the month of April, 4 bushels will be none to much on poor land in the last week

Tentology again !- Ba.

Whether you sow by drill or by broad-oast machino, harrow well before sowing. Never scamp your harrowing.

Roots.—Though it is yet early days to talk about the root-crop, there may be a chance, before the end of April, to get a piece of land cross-ploughed or grubbed, for sugar-beets or mangels. If so, do not forget to draw-out the water-furrows, lest a sharp fall of rain should come, which might lie and soak the land for ten days or more, putting back the season more than if the land had not been touched at all.

Your ditches you will of course have looked to as soon as the snow has melted, and see that all culverts, etc., are clear of obstruction from straw, chips, and other floating mat-

Horses are now to be prepared for their long campaign; better food, and moderate road-work, until the land will bear them, should be given, for no-thing is more injudicious, as well as more cruel, than to plunge an idle, straw-fed horse into a rush of work. A horse thus treated rarely recovers himselfall the season. Do not overwork your in-foal mares.

If you still have cows calving at this season, as, probably most of you have, remove the calves from their dams at once: they will do all the better and the cows will not blare after them as they do when, after a day or two together, the final separation takes place.

Scouring, in calves, generally arises from giving too much milk at once, or giving it too cool. A calf, at first, should be fed 4 times a day, and with new milk for the first ten days then crushed linseed, steeped in boiling water, and skim-milk will do very well for rearing calves; but for yeal, though linseed and oat meal with skim milk may fat them, nothing but the cow's full milk will turn out the best but cher's mest.

Ewes and lambs. -- If you have a few early lambs, there are in Montreal enough wealthy Englishmen who would gladly pay a fair price for a fore-quarter of good, firm lamb for their dinner on Raster Sunday-April 14th. —When we say firm lamb, we mean lamb at least 8 weeks old, and 10 weeks would be better. White pease and a little cake—linesed or cottonseed—would push them along, and the ewes, too, must not be stinted of food. The importation of lettuce from the States begins so early nowsdays, that there will be no lack of salad to eat with the early lamb. In England, at all events in the London market, lamb used, 40 or 50 years ago, to sell better when Easter fell about the 20th of April, than when it fell in the last week in March . in the latter case there was no salad, at least it was very dear, and imports of lettuce were naknowa.

The young pigs need attention in the early part of this month to keep them from chills. A chilled pig never fills up as it ought to do, and the sooner it is slaughtered the less money will it lose. Keep the weanlings well from the first, if you mean them to be good becon-hogs for Rogland. Remember what Monsieur Gigzult found to be required in that market: long, leantsh, young hogs. It would be well to give them firm food all along, with clover, votches, &c.; but, at all events, faith them of on peace for the last

Pastures and meadows. - Bush-harrow and roll both pastures and mea-dows. The chain-harrow is a better implement than the bush harrow, but the latter does pretty well.

A good mixture for pastures is the following:

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Perennial elover	2	lbs.
Common red clover	4	"
Alsike glover	3	
White clover	2	"
Trefoil clover	2	"
Lucerne	4	46
Timothy	3	**
Orchard-prass	Ü	"
Pacey's perenial rye-grass	10	"

36 lbs. to the acre.

When the above begins to wear out as all sown grasses will inevitably do here, the natural grasses of the country will be found taking their place. Of course, if you start by mowing for hay, the sown grasses will disappear all the sooner.

We extract the following from Dr Hoskins' paper: "The Vermont Farmer's Advocate:"

"It may be mentioned in passing that the average produce of wheat per acre in Grent Britain is between 27 and 28 bushels, which is more than that of any other country in Europe, more than twice as much as the average of the United States, and about as much as twice the average of the whole of the wheat lands of the world."

We fancy the English average here given is nearly correct; at all events, it is not more than one bushel or so This last harvest, according too low. to "The Times," the yield was 31.80 bushels, imperial measure, which is equal to about 33.30 bushels United-States measure; but the quality of the crop of 1504 is very inferior; at ed up to date. What has still to be pea, as it gives consistency and firm marketed will be better, as the frosts of February, and the winds to be hoped for this month of March, will parmente the stacks and greatly improve the quality of the grain. Firstrate samples of white wheats, such as Talavera, Chidham, &c., are still worth 28s a quarter=84 cents a bushel.

PEASE.

(A lecture by Arthur R. Jenner Fust.)

I was very much surprised, one day, as I was travelling on the north side as I was traveling on the north side of the St. Lawrence, at the sight of some very superior farmhouses, all built of squared stone, many of them three storeys high, with neatly kept yards, brightly painted jalousies, and with a general air of comfort and well-doing parraging the whole surround. doing pervading the whole surroundings. These, succeeding a district occupied by poor log-houses, misera-ble cattle, and poverty-stricken people, naturally led me to the conclusion that the soil of the former farms was much superior to the soil of the other farms. However, to make sure, as the snow was too deep on the ground to allow me to judge for myself, I asked the driver of the mail-cart, m which I was sitting, if he could account for the wonderful difference, which I pointed out to him, between the appearance of the two lots of farms. "Rasily enough," quoth he; where you see those fine stone houses, the land will grow peace; "where the log-cabins stand, it won't," And, no

provalent ideas, he was right: in those days, it was supposed that to sow pease on light land was a more waste of seed, time, and labour. A most erroneous conclusion, according to our present nations; for a closer study of the nature of things has led atudy of the nature or things are us to the conclusion that the pea is as omphatically a light land plant, as the heavy land plant. "The benn is a heavy land plant. "The pea," says the correct Mr. Stophen, in his Book of the Farm, "thrives best on light land." In clay, it produces a light land." In clay, it produces a large bulk of straw, and the production of grain depends upon the season. On light land, the straw is not superabundant, but the yield of grain is plentiful. I wonder the Scotch over sow pease; for the constant moisture of their climate, together with the very moderate amount of sunshine they onjoy, must render the pen a very uncortain crop. In fact, I hear that, even on the borders, where pease-bannocks, a very hearty, though to me a most nauseous food, wore commonly caten by the peasants, a field of pease is now rarely seen.

Astonishment is often expressed by Canadians that the English labourers don't eat pease-soup. This is easily don't eat pease-soup. This is easily accounted for: the English pea won't melt in boiling. In Leicestershire, I believe, and near Tamworth, a few boiling pease are grown, but, as a general rule, they come out of the pot just as hard as they went in; and I know from my own observation, that the Mark Lane corn-factors buy no English white pease without pre-viously sending a sample out to be boiled.

The use of the pea for feeding hogs is common enough everywhere; it is indispensable in the treatment of young stock of all kinds; by far the best addition to skim-milk in rearing calves is a jelly formed by boiling pease-meal with about 20 010 of linseed. In producing early lamb for such a market as Montreal, least, so much of it as has been thresh- nothing is to be compared with the ness (tautology, I fear) to the other-wise too sappy meat.

As a rule, I think a great mistake is

made in feeding hogs entirely on pease. My theory is: rear pigs on green stuff, roots, and pease until they are put up to fat, fatten them on cornmeal or barley meal, and finish them off for, say, three weeks, on ponse alone. The farmer's pork, in this province, is economical but decidedly too hard for pleasant eating. I should think that hogs 18 months old would have formed all their lean meat and be firm enough without so many bu-shels of peace as they get here. Any-how, there is not the least doubt, that barley or corn-meal will fatten much better than pease: Lawes proved that by most careful experiments, as long ago as 1852—v. Journal R. A. S. of England's magazine, vol. 14, part 11 I quote his conclusions:

When pigs are fed freely upon high ly succulent food, such as cooked roots, the refuse of starch works, and the like, they are frequently found to give a very rapid increase. But pork, so fed, is found to sink rapidly in the so fed, is found to sink rapidly in the salting process, and to waste considerably in boiling. And although the first batch of pigs so fed may fetch a good price, their character is at once detected, and the market closed against a second sale. On the other hand, when pigs are fattened on the highly nitrogenized leguminous seeds (1)—pease being, however, if not an exception, at any rate much less objectionable than some others—the lean is

log-cabins stand, it won't." And, no (1) By "other leguminous seeds," Lawes doubt, socording to the then (1869) means horse-bears, lentile, &c.