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"agriculturs not onty gives richis to a rathon, dot the only miches she can call her own."-Dt. Johneoth
Vol. 2.
TORONTO, MAY, 1843.
No. 5.


THE CULTUVATOR.
"Apricaligre is the kreat art which evert zovernment aughe w privect, erily pmptelor ur iniuls to jractier. and every inquilecr into matury improve."-Dr ./oAnaex

TORONTO, MAY, 1843.

## TO OUR PATRONS.

Since the issue of the April number, we have come to the conclusion to resume the management of a very extensive farm, which is aituated in the township of Wbitchurch, in the neighbourhood of Newmarket, being about twenty-seven miles nort of this city; -a course we have béen led tọprisue from the inadequacy of the patromy we have reccived at the hande of the Canadian farmers.
We feel no regrest in exchanging 2 city, for a country life ; on tive contrary, we feel a pleabure in anticipating the prospect before ua, in having an ample opportunity of testing many of the experiments we have recomenended, especially the iatroduction of Hemp and Flax culture, in connexion with the Dairy businees. In recommending impruvements in agriculture, we trust we shall be guided by the invarizbla yule of first prac. tiving what we recommend to oihers, and secondly, only recommend such as are e:zculated to rensunerate the producer. If this sule had been oarricd out by the many who have written on the nubject of aqriculture, the rodath would have boes that raluable im.
provements in husbandry would have adranced with rapid stridea, and the darknes: which every whero pervadis this two much neglected, thuugh respectable profession woutd lave long since vanished from our land.

We know too well that a lamentable apa. thy exists, on the subject of improvements or change being effected in the agriculture of the Province, and notwithstanding, much has been said and written on the subject, yet the advarcements made towards perfection are $s 0$ slow, that they are acarely yerceppible in some of the oldest Districts of the Pro-vince-s No one residing in the Home Dis. irict Fould scarcely imagine that hundreds of farmers in the oldost settled townships on the Bay of Quinte, are still in the use of the one-handled, or bull-plough and that it requires one man and two stoat buys to manage a single plough,-the one to hold, and the other to drive the horses, and a third to turn the sward!!
The real object of a journal like ours is to have a cheap and familiar channel of communication for the farmers of every section of the Province, by which each may have the experience and wisdom of the best educated of his class, brought homo to his own fire. gide in as free and communicative 2 style as though he was in actual converse with his neighbour. Tiat our journal should be such a medium of communication, none would pretend to deny, but that it hat heretofore failed in being tuch, all who have read it must acknowiledge, and the reasons far such neglect on the part of the public je rather unsccountable, as full and pretaing solicita. tions have boen frequently made for all to farour us with their views ind experience on this subject. We rake this opportunity
of further pressing this matter, and urge upon each of our patrons the necensity of duing something to advance the proeperity of their calling. Nothug whall be left undone on our part to make the agricalture of thes Province respectable, and, while engaged in the managemant of our fario, our conetant study shall be to du cvery thing consistent in our power which will have for ite ead the welfare and interest of our brother furmers. Under these considerations, we appeal to the good sense of the intelligent farmere of British America, and urge at their handa a support which will at once place their medium of communication, and in fact the champion of their batiler, in auch a atrong and envable position, that every opponition, both as regards lie ignorance of the people, and the finascial embanzassmaxte, to which we have bcen constantly subjerted since the conucxion wo lave furmed wich their organ, may melt as wax before the sun.

The distance which our farm lies from the city, and the close attention which we will necesuarily lave to devote to the preetical branches of farning, will preciudo the pos sibility of our jourmal reaching the deatination of its differont routes at such regtlar periods as it otherwise would; bot we promise that a number shall be ispued monthiy, and that it shall be continued, at least, until ihe ond of the preasnt year.
For the character of the Colony, for the wellare of the class a home intereste we advocate, and for tho prosperity of thougavide yot unborn, we respecililly appeal to the good sense of ever: intelligont mian in the Frovince, fur a sujpori at least equivalent to the actual expenscs incurred in the pulo. lication.
The Jone number will not bo isued much hofore the firat of Jity.

FARMING-GOOD ADVICE.
It is thought by many, that fal ming is a menial enlling or an uphill busiacess, and that rery litule money ran be mate by cultivating "old mother earth," from this opinion we beg to oissent, and fect warranted in asserting that the prime cause of the poverty, which is too apparent among persons, who style themselves tillers of the soil, may be traced to the want of akill, and not to the demerits of their caling. Asa proof of this, just lock olront and examine the condiuon of tho rural populaton of this country, who emigra. ted from England and Scotland ten or twelve years since, who landed on our shores pennyless, and are now in possession of large culuvivated farme, houses end outhouses, and may be con. sidered independent ia their circumstances, and to what may thas succese be mannly alterbuted? most certainly to the supertor agricultural skila which was every where manifested, and taught them in thic mothet couptry.

Instances wilhoat number have come under ope notive, where tbs lured labourefs of, the abosceryass, have boen emabled from the navings of four or figè years industry anu frugality, to rent a farm, on whach the real owner or landlord conld 'scarcely make out to five; whereas the tenaite by close attention and thorcagh knowledge of businese, could afford to pay from ton to tholke shilings per acre of annual zent, and in a few years save moner sufficient to purchase and stock $¥$ farm, as valuable at tho one which he formerly rented. In a country where thou. ands of instances of this sori could be enumerthioch certainly no one at all aequainted with the rabject, efould have the ioldness to condemn it ar anitable country for agricaltaral pur poses, cod this may of a troth be satd of Cenada.
-The porities who assert hat tho British Arnen. can Protinceis are unadapted for the introduction of ain improved system of hasbandry, are sueh, as are eather too adle to work thomselves, sor hrve nat sufficient calculatug powert, or thisking facultiea, to make the two ends meet. : Many frave no.dea of clanging from the "good .old rony,'".which them torefathers taught them, .and so lohg as this is the case, but hatle adrantage ean be gained, from the mighty efforts which duriog the lost few yeara, have been mado to concen. trate the skill and cxperience of the wisest and most experenced, that havo written upon the sabjec̈e of agricultare, through the pablic press; neilher can they appreciato the cxertions which are miade: by Agricallural Societies in elovating ibe character of the agriculture of the Province; por will they road and inform ther minds on the mgai eapential topics, which aro umediately and dircelly connected wilh ujear respectable profes. sion. All lus, and much more, wo fear, is Sapentabiy cue; and to convince the intelligent part of the community, that we are willing to do eur parh in ourg humble capucity to change the order of thinge, we are determaned, in future, to lay. before our ronders facto-jilain and pracu. cal; which, we wraw, will have a tendency to otease meth to retioct, belore hey act, and to etudy the various inftuencen which effect every depart spent of agricultural improvement.
The great fault which the farmera in Canada are too apt to engender, is the ambutious desire tor lands. Expenence has tought we that it in far mote profiteble to collivate fifty acree wall,
than to poorly and negligently cultivate double that number of acres, Many farmars actunlly raiso more produce from fify acres, , than othera do froin tho hundred, the land being composed of like" soll and other adrantages equal, when thers amis possessed their virgin qualitioes. Why thit test diference? Reeduse one informs his mind ont the mprovenents of the dey, and stud.es to renovate his moil by manunng-tep dressing with mineral substoncen, draining hie land, and changing hie cropm alternaty, and depends alose upon hus superioretill and manage. ment for large erope snd good profita; while the other studics to drain every thing from the soil, and returns nothing to it, to keopp it from detorioating and becoming barret.
Wo bave elsewbore remarked, that; the mosis profitable business for the Cenadian farmers, is the manulactury: of batuer and cheese. But little has been. dovie in the production of these. articles, and consequently, there will be much room for improvement in that departrgent. Int ninety-nine cases out of a handred, the proceeds From the emall surplua which thy Canadian' Giran. ers have to ell of the above aricicte, goen atia per. quisite to: the farmety viffe. It is not our bumi. nese to find fault with such an arranemenent, but we would just remind our brocher farpente of a fact which came under our notice ${ }^{\circ}$ few weeks since. A Yorkshire farmer who renta a farm seven miles norch of this city and pays an annua rent of fifty pounds, informed us, tiuat be only kcops ten cowe, and the profis from which together with the sale of calven, pays the whole of his rent and leaves a bailance in the bargain. We oxamined his stock and found them in com. fortable winter.quarters, with an abandance of good hay, and cut oata, oheaf and bran before them, and a good supply of clean straw under their feet for bedding. This farmer comes to town once per week regulariy, with butter and olher produce from his well cukivaled farm, he also supplies a numier of families with buttor, cheesc, \&c., and sends in his bill once in a twelve month-and by furnishing ₹ goch article and obeerving atrict purctuality, he alwaya obrains the top price. This same individual came to this conntry twelve gears since, without any means, and bydint of perseverence and supenor shill, he can now boast of having housands of dollines out on interest, and by mpation his neigh bours is omesidered independent. The carcum. stance is freeh in our recollection when the same individual astonished the natives, about ten yeara since, in the astomshing greld of 40 bushels of wheat per acre on a field of 12 acren, which field was thought incapable of producing 10 bushels per acre. If circuraitances admitted, we would enter intc the details of the superior farming which we noticed carned out in all its bearings on the above promises, but as it would betaking a grenter laitude thm we are warranted is doing, wo will dider it for the presem. Suffice it to saly, that the farmer in quention has kindly promited to become a contribator to our Journat-and the publie no doubt will be mach edified isoma the practical adviso which be is capable of affordint frum his long expenience and clow obervation of men and thinge.
In iddition to the prodection of bater sad checoe, the artide of boge, would amply rempe-
nerale the producer, and might in a fow yeare form a profitable article for export. Clover and Inx seedy would also remunerate tho farmes If entored jeto with opint, the latter beare a much hearier price in tho Bnglish market then wheat, and oan be produced with one half of the cost.

Terenty buabele of 年ax seed can be grown from an acre of ground with mach less lillago than the aame giold of wheat.

We would thko this opportmais of reminding farmana, that if they thote in grase atock tor cither beaf or buitur, thatifay wonld find it to theiradrantage to lay offheit panare grounds in amall eonvanient field and change the mock From one field to anotiderevery few days. Salt abouid sleo be provide bantifully, at least, iwice per wreek for atary acriplon of stock.
A compootbetp of trefy straw, peat, muck and a amall proportide of fime, thould be made in overy bam \%fag and hould fe meed at atop-dreseine for pesture and mondow grocinde
 Into the above eompocition, in wocts if Jomet arr dollex, and wharra in therg an individna, who is to careless about his temporal properity, as to allow such valuable minen of trealth to lay unem ployed 9 No man-would do so upon reffection If a farmor aime at promerity, he will fipd it, it his advantuge to male the mout of hio meaure. heap. A farmer of our açuaintance las: seasor, purchased upwards of 40 loads of manure at a dollar and a half per lond; and he asoured us that he considerid that be monld get hit money back with good roand interest

## From the Connecticut Fermer's Ginatio.

 APPLE TREE INSECTS. nentraía.
This is about the worm meer in existence. I does not confine jus mischicf to syllew; necte rines and cherries. It is found in the black knots on plum and cherry urtet. That it caumen those knote, cannot be postively proved, though there is much reason to suspect if. There ss some reason also for the euapicion that it causes the yellows in peach isees. Whether guilty or not in this particular, it does sa much other mischief, that all anankind ought to combine for it destruction. It is so shy and sneaking-it shans 30 cautionaly the eyes of man while perpretatint its evil deeds-That few evir fee the japact till it appearis in the fruit, in the form of a loathsome grab. Bat every body ought to ree and know the bog itmelf. I preeume therefore I sinill be excused if I give a mry particular deecription of is.

The bug nearly tratenths of an inch in lengih, besidenits anoet which is abuut one-tonit of an inch loag. Thentmout doef nut project straight forward, but bonds downwarde A! first sight the colour of the bug appeare to ba a dark browin. On a closer view, if will be seea to be very rough with black ridxen and kooth with two bleck bumps side by zive on its back, and a yellowian band behind the bumpa. It may generally be caogit in May; by placing a choth or bolding an ambella holloss yprarde, nonder: plam cree, and guing the tree or a timba anddea jar. The momezt tbe jar in given, the bag dropas a if it wandead, and will be gotere time withoul stif.
 ocel up aloes to ita body, it looks popmon like th dead bude that fall fromin the uree with it that: person nnacquaintod with it, will hardly divoevin it. Tharteroit io noevenery rotuke a themplock
 while they are manall and tender. It molkent. holo in the side of the fruit with int momt tain.
 and thes doporive on ery, which man hatra.
into a grub.- That eats its way into tho central part'of the fruit, and remains there eating threo or four weeks, thll ready to Eo into tho ground. 'rhon the frat drops, and the grub crawls out of it and enters the enrih. It burrowa abuut chree inches under tho surface, fiss about iwenty-four days, and then comes ip a winged bug. By his time, most of the fruts are too far nidvanced to be suitable places of depost tor tho egas of a second brood, thuugh wa sometimes find tho grubs in peaches as fate ns lat of September The greater part of the second brood, as is now known to us, appapry to be bred in the black knots on phiun and cherry trees.

The destruction camsed by this insect is, in most ceasons ircafculaule. It often happens that it leaves us nos a einglo plum, though our trees set full and promso abondance. Unless therefurt we con protect out plum trecs from thy wesect, we may as well abaudon their culis. vation. And indecd, if our apples are hereafter to be the prey of insucts as they have been for $n$ few years phat, an apple ireo vill be of no more use or valuehan an elmi This evil has now incressed upon as to auch an oxtont, that wo shall require all the reqources of our mgenuity and industry to ovetcomo it. It will be of hitte availfor a solitary individuat, here and these to try to proteot tueir frutte-as. fart as the destroys an insect on his own trees, 1 ts place will be sup. plied from the trees of his noughbour for the hug is winged and nies with great enso: Nor will it be of nauct usa to destroy the insects of a einglo or favourite tree, while surrounding trees arc filled with the winged destroyere. To do the work of destraction effectually, every body should engage in it-mand all at once.

The habits of the insect pu its different stages of existence, will suggest to us various modes of attack or defence.
1st $_{4}$ I have remarked hat the hug is exceeding. y shy-insposed to keep away from ue or out u. our sight. Advantage tas been saken of this amed nature; to set onme valuable fruit trees in places where persons are frequently paising-os, near the door of a house, pig-pen or well, Soma hove fasiented a cord to a tree, attaching one ead of $\operatorname{st}$ to a punp handle, so as to jar the tree when. setr water is drawn. Trees so situated are protty wall protected from the ingect. But it is erident that the number, which we can guard in this way, is quite limited and the trees also must be of a emall size. Apricht, plum and peach trees, that stand close to a buifding on the south or east side, are less apt to be attacked by the weevil than others farther removed. I am un able to assign the cuse of thic, unless it We that the greater farmih, in the vitinity of buldin,3, brings forward the fruit too early for the use of the insect-for the sume reason tpat very early peas escape she pea bug.
2id. When a trio is suddenly jarred, the in. sects diop from is th if dead. A eloth, large enough 10 cover the ground as far at the linhbs -xtend, will catch great many insects of the ree is jarred over it. The bugs masy be thus col. ected and thrown inio the fire. The bitgs should eshaken off into the cloth. every mornog and vening, from the tume the fruit bagipa to sot till $t$ is grown to the size of a large pen.
3.d. The grubs il go into the ground to uncrgo their final transformation: lo has been roposed to make the ground anderneatio the ree so hard, by pavilig or otherwise, as to pre. crit the insect from peactratug mo it. When his fis effectually done it is said to be a sure rolection of the fruit. I once pared the ground nder an nectarine with nount storics, without ny apparent benefit. There wore spaces of ourse, between the atones, where the grnb aight have entered the earth; and this cxocriant may not be conclusive against paving if it ere to be done more perfecily. Perhaps a lose pavement of brick might be effoctual. A oat of cement or bitumen, liko that used for alks, would exclude the grubs from the carth atirely : but whether the rrees rould flomrish. ith ageh a tight ecorering prer thoir roots, is usationable. To effect the namo purpowe (arreat ropoeed to pick up the fruit containing the wet at it falth and coald it. If that io to be I for-many of the grebre quit the truit soon
II flly
the destruction of the grube, as they come down to the ground, by quch animals as will ent the frust. Gnese have been lonnd particularly helpful in thes sort of work. T'urkias would probably be useful in some degree; but the best ammat help at our command, is doubiless the hog. Toderive till benefit from his services all utur trees linale to be infested by the plumb wecvil, should be placed together in an orchard, so fenced as to aumit of the hags ruming at large in at during the whole of the summer. If geese, turkeys, ducks and common fowls can run with tho hogr, so nuch the boter. Such a mode of plantung out and managing our frut orchards, extentivel: adopted, would probably give us an abundance of good and filir fruit. It will be obvious, I presume, to every one, that wa shall gnin but litla by making war upon thase enenues this cear, and lenving them nt peace the next-ilie war must be continupd from year to year, till the enemy is not to be found.
4th. As the weaval breeds in the black knots on plum and cherry trecs, all those excrescencies should be cut off and burnt as soon as the swel. lings begin to appent. The' wild as well us the culuyated cherry is rubject to these knots, and should not therefore be overlooked. It is the those important to destrov thess knots, because other noxious inscers, basdes the weevil, inherbit them-parisularly tho Peach worms (Egena) that commonly is fuund at the root of peach rees-and a small moth, rust lirown and cepper colmied, about lirce-lwentieths us an inch in lagth. the name of which I have not oscertam. ad. In cutting off and burning these depoesto. ries of noxious inscets, we at the same mue may to conte extent, the increase of tho insects.

I haie gaven in the first part of thes communication a listory of the Plum-wecvil, as far as st is known. It will be keen that thie history embraces but a small part (only about three montha) of the inseci's hie. Seteral thousonds of weevils may be bread upon a single apple trec-ithey will goimo the ground in Iune, und before the end of July come otst in the winged state. A few of tbese perhaps may breed the came season in the fater frums and the knots on plum treeshut what becomes of ile greater part-what they feed on, if they feed at all-where licy spend cheir tirne-where they find winter guaters-all s yet unknown to us. Here ilen is an interest. ing field of rezearch It we can obtam a tho. rough knowledge of the weevits babsis and history from the first of Augusp to the list of May, we may discover some more effectual mede of destroying the inscets than any hitherto employed. Your friend

NOEES DARLING.
NUTRITIVE QUALITIES OF CHARCOAL.
Though the importance of mixing charcoal with the food of animals, particalarly that ni swinc. has bee. generally acknowledged, and is benefits axtensyely tested, still it has been supposed that it only acted as a correcuve to the acid tendency of food, and faciluated faneming by improving the beath of the snimal. Some experiments are, however, on record, which would secm to show that charcoal acte a more mporant part in the matter than has been usual. ly ascigned to it.
In 1793, a fanily being driven from Nerr. York by tha tever, were absent six or erght weeks before it was deemed prident to return. A nutn. ber of fowls confined in a loft to the workshon of the hoose, were forgotien at the time of learing, and it was known that there was nothing provided for their subsistence. it was expected on the retum that they would be found starsed o death. To the astonishment of all, the fow is were found alive and fat, though there was no. thing upon which they could have led, exeept a guantity of charcoal and ehavings. water being inpplicd from the grindstone trough.
These facts coming to tho knowledge of a gentenian in Now.York, as we learn from the Recorder, he insticuted the following experiment. He placed a turkey in $a$ box or enclosure, four eet long, two feet wido, and three feet high, exdaded inght at muah wa could be done, and ak.
lowed a free nirculation of sir, and fed the turkey loved a free rirculation of air, and fed the turkey
wich ant trick, broken fine, poundek charcoul. and six serine of corp per day. The box wait
kept locked. At the ond of a munth, the turkey was killed in tho presence of several gentlemen, was large and heary, and on being opened was found filled with fut. Nothing, on disection, was found in tho gizzard and entrails but charceal and brick. Last winter tho experiment was repeated, and with the same success.

Several years since, in fiting out one of the Liverpool traders at New. York, a pig on boatd was miasing, and was supposed to have been lost. The cargo was taken on bnard, stowed, and tho ressel sailed. It was now discuvered that tho yig was alive in the coal hole, but as he rould noi bo got at rendily, it was eoncluded to leave him to his fete. ILe remained in thim retrcal until the passoge wae made, when hil pigsinip was found to be not only alive and well. but mnterially improved in condition, though liere was nothing, coal excepted, he could have swallowed.

When it is remembered that wood, sugar and several other substances, some which are mot nurritive, are compounded of nearly the saine original elemente, it would seem possible, by anmal chemusry, to convert them to saving life; though all experiments with wood or charcosi failed. The German chemists have converted wood into very palatable bread, by rpasting and pulverizing: bit calcination. 1 lias becensupposed, would destroy whatever powers of nutition wood might originally contain. The chomical action of vegotables asems to produce the least effect on casi, nid not the lesst particle ot it has ever been foum in the structure of vegetabies, though mixed with the earth and water in whith plants were growing, in the torm of the mont impalable powder. Whethet animal chemistry is ablo to do what vegetnble organiztion cannor. remains to be scen ; though if there is no mintak. on the statements alluded to, it would seem prchable that the intractable sulstance is, in some way, made subservsent to the nutrition of animals.-Genesec Furner.

## HOW TO MAKE GOOD COFFEE.

Thequestion is ofien ask ed, why it is, that good coffec cannor be prodnced in this country ? Tl reason is simply this: coffee is spoiled in the burning, and sufficient carc not is taken in preparing it for the table. To make cofiee equal to the French is very simple, and very easy, and for the benefit of all grod housewiven, and all lovers of good coffer, we will grate the manner in which it should be done. First, procute the best coffee passible. See that your cook tow not burn ut, but ronst it to the colour of a golden brown, and never allow it to remain in jis barnt or roasted state for more than throe dayn, as aftot that time it will lose its strength. Secondly, it fien of tho ancient method of boiling your confe. for an hour or more over a hot fire, and then being obliged to scttle it with zuch rañition an fish-skins, egg-shells and the like, procure. a biggen, as it is termed and make a disillation or decoctron by puting the coffee in the apartment in which the atrainer is, and turning thetwon boiling hat mater. Take care that the nose of the cuthec-pot has a stopper to prevent the atesm from eacaping, and cover the top of your biggen immediately afier having tarned the water upon the coffee; as it is a most important requitite 30 have the sleam confined. Judgement in slo te be used, re to the amount of coffee required, and also to the quantuty of water used. The hepteoffee may be spoiled by too much water applind fo (h. The coffee should bo made very strong; and, it atrong enongh, its colour will be quite blackLastlv, having made your coffee of great strength. do not use hot mater to dilute it, in lien thereof, iate boiling hot milk, and weaken the consea to vour taste. By following the-e directions you will tinve as fine a cup of coffee dit can be made in any country.

The time required for making coffor in this manner, is but a few minuter, the coffes bein: mado as fart as the liquid jumas through the s'ranit -Daily Timer.

> Dathy Seceet,mave roady r.o puns in boiling water, and on the milk's coming to she dairy. taks she hot pans outy of the water, put the milk
into one of them, and cover it with ate othon-m Thia will occmion gront augroentation io the

## ENCOURAGING PROSPECTS.

In the April number of this journal, an appeal to the sympathies of the various Agricultural Societies was made, being confident that it was only necessary, on our part, to press the matter, in order to have a liberal share of patronage from euch associations. We ero happy to have it in our power to stato that the suggrstion has taken much better than wo anticipated, and we liave every feason to expect from the great inter. est lately expressed by frienda from every point of the compass, that our sphere of usefulness will be speedily augmented, especially from Sowiatices.

As an evidence of what may be expected from such socioties, we give the following epecimens: The Niagara District Agricultural Society, one of the most wealthy and respectable in the Prn. vince, passed a resolution at their last mecting, that a cony of The British American Cultivator should be subscribed for, for the benefit of ench nember, at the expense of the society. The Nlidland District Suciety have done the same; so also, have a branch society in the Johnstown District. While pening this article, we notice in'The Sherbrooke Gazette, of the 18th instant, that the Diummond Agricullural Society have passed a resolution at a recent meeting, that onm rujnaco copies of Tus Celtifator sball bo procured for the beacfit of the members of that asisociation.

It would require but little exertion on the part of the Fubr Honderen Aoents who act for his work, together with the aid antucipated from other Agricultural Sicicties, to ${ }_{\mathrm{L}}$ augment the circulation within a tew months, sufficient to exhaust the whole of the present cdition. The quantity of back numbers on hand at present are twenty-two hundred, which if disposed oi on the very liocral terms that we allow to agents and others, would cover all expensesiand leave a small balance in our favour.-If this point was once gained, we wou $\rightarrow$ be encouraged to launch out and make improvenients, for instance, it the encouragement we receive between this and the end of the present volume, be sufficient to warrant a continuance of tho work, a new serics of volumes would be commenced with the number for January next, whela would be prin. ted on a larger shect than the one we use at present, and each number would contain thirtytwo large pages, in suitable form lor londing $\rightarrow$ and all this roo, without any audition to the price, But, we would ask, how can this be done, unlem tho public show a disposition to support the enterprise to an extent, at least, equivalent io the actual exponscs? The whole malter atands thus; if tho farmers creditahly mutain the work during the present year, it may be oontinued for many years to come, if they refase that support, du:s to ourself and our fam. ily will require us to relinquish an occupatiun which bas alrcady beca a source of entailing a lass so large that but few would on counter $1 t$, with yhe energy and fortutude we bave heretofure manifested-Although on the one hand, we have grounds to be discouraged. owing to em'jarrassmente which we have eub. jocted ourselses 10 , in cmbarking so much tune nod capital in a business, whicb nine out of ter from whom we five councelird an the kulyect,
have predicted on ultimato failure; yet, on the other hand, wo have substantial reason to bo buoyed up with the hope of finally succeeding in establiehing a Juurnal which will ultimatoly be a credit to our native country,

Let us fur a moment examine sone of the ovdences for grounding such a plcasing pros. puct-Thero can be in question but Agricul. tural Sucieves and Clubs wathout excopuon, will gave every encourngement in their power to sustain the respectablity of the work liy subscrib. ing hibirally for it, and by reccommending it to the farmers, withn "their sespective spheres of infuence; and besides, there are between thres and four hundred Post Masters, who take an active interest already in procuring subtcribers, and we flatter ourselves that there are but few Post Masters in the Province, bui would feel - Jeasure in promoting the Agriculture of these Provinces. We trust the Cultivator will prove a most efficient agent in bringing ahout the amelioration of the Agriculcural intoreste by the introduction of a better system of farming in British America. There are many country merchants, and even private gentlemen who, also, bave taken up the natter whit considerton. warmith, and from whom we have had euff. cient testimony of theirgood wishes,

It may not be amss to mention, for the satisfuction of all, that upwards of 400 Copiet of the Culuvator are sent to Montreat,-125 du, to London, -90 to Kingston, -70 to Port Hope,-65 to St. (Jathennex,-76 to Nelson,53 to Niagara, - 30 to Hamilton, - 40 to Smuthe Fulls,-nand 250 in the City of Turonto. In addition to the above, there are many places to which we send packages contaning from fiteen to thirty Copies each.
These are the principle grounds for flattering ourselves with the prospect of ultimate and triumphant success.

British American farmers should bear in mind that only a portion of tho burdene of conducung this Journal, envolves on an Editor, and that portion by no means the most important.
The mere filling the office of an hireling Editor is a trifing task, when compared to the responsibility connected with the publishing department. If the expenses of our Magazine were fairly met by the public, so that it would be morally certain that our property would not suffer, or be sacrificed at the sarine of public upatht, we would feel under these circumstances, a warm and hearty zeal in filling the columns with mat. ter, which would not ouly be original bat would be practical and profitably useful.

As a means of contmuing the British American Coluyator, we have resoived to adopt a regular course of retrenchment, by which, the expenses will be considerably curtailed...The work itself will bo differently condaeted from what it has becn, in as much as it our is fixed and determined resolution to make it a plain common sense agent to Canvase the Provinces for the ostensibic purpose of disseminating uso ful information on a subject, which, above all othere, we feel ourselves qualificd to express our
 cularal improvement in all it branches.
In order to carry out our design, we want support, and we can reccomanend no bester plah than a leamed Doctor pricuced for the

Albany Cultivator, some three yeara ance:- - He always carried a specimen or two in hie pocket which he introduced to every farmer within the reach of his influence, the resule wat, that he very soon obtained a list of sixty-five subucribere, who paid their dollar in advance. Thie. necurrence took place at the head of the Bay ol Quinte, end, wo trust that the praseeworthy examplo will be followed up by a corresponding result in fapour of a home-apun production by the samo individual, and by as many more of his prufession and others, as think proper to onEourage the eatcrprie.
Elsewhere, we have mentioned that we have entered into such arrangements that most. of our time will be required in the laborious operations of the farm-wesay laborious, from that term we wish to be understood, to mean ploughing, sowing, mowing, cradling, steckingr threshing, and in fact, every other branch of in. duetry connected with on extenaive and wall cultivated arable farm. This being the employment which wo have constantly practied forma. ny years paat, excepting the last two, we will feel ourselves not at a lose th engage our hands at even the most intricate.
Many have supposed that 'gentleman, farming; could be carried out to the eame extont that is practiced in Great Britain, but, from this opinion we beg to dissent, and consider it dangerous doctrine to promulgato in this country. This being the case, wo will not consider ouraslyey in that light; although we are poseesed oha. free and unencumbered estate, which an it re. garde size, quality, and cultivation, will bear comparison with any in the Province.

In our last, we mentioned, that we ranked ourselves with the homespun farmers of the Province, by this we wish to be understood, shat wo not only vear, but intend to wear, cloth made from the wool of our own country, and we aloo intend to encourage the talent and induatry of Canadian residents,

The only part which we intend to verform in the future conduct of this Jumanal, in, to sup. ply original and selected matter, which will be done principally at the close of each day, an a source ol amusement, after preforming the diversified, and toilsome auties incumbent mora or less, on every Canadian farmer. At it re. garda writing editorial articles, we would at all times feel it a source of plensure and delight in communicating our views and experiance, through the Cultivatot, (providing such exertions were appreciated by our readers)
We assure our frienda that no expene or trouble have been spared to make our work ats, respectable as those published in the neighbour.' ing country; but we are sorry to have it in owr power to say, that notwithsthanding this expen. diture, very many have made choice of foreign publications, which even come twenty-five per cent dearer than the work published in their own country-whenever we meet withan inatane: of this sort, (and we are sorry to aty there have been many,) our pride is no brubled at the thought, that a fellow countrymeh could be found so void of a apark of patriolisan, that we were almost ready to wish ournelven engaged in the occupation of a day labourer, breaking unaci on the road, rather than be sorving the public at an immense lose and ribk, ajd after all dincourn tananced because, (as they say,) that Curiada tananced because, (as they say,
is soo young a eonntry w suatain a work of
auch mannitude. Of courso this would be correct if all were possemed of such narrow minded views.
We are aware that many have been deterred from patroniaing the Conadian publication, ow. ing to the fact, that frequent unsuccessful at. rempta had been made hy wild adventurers, or men of thecry who had no other motive at hearto but aelf aggrandisement; but no one accuainled with our habits would chargo us with auch mutives, se we faltas much interest in forward. ing the prosperity of the Farmer and Atechanir, as wehave evinced in tho auccess of our own Pul: lication.
We ascoure our friend, that there need be no danger apprebended in our incapacily to mako good our engagements as wo have ten simes at much atake in the country ae any losees wa may chance to have entailed on us by publinhing this Magazino.
We beg to apologine for the foregoing :emarks which are more lenglthy than we antuct. pated:-ithey were made for the purpose of explaining the prospecter before us, and our future intentiung, no that no one may have it in their powar to say, that we have been actunted by improper mativesin engaging in a branch of busineos, which will require mostof our time and attention.

## HOME DIS'TRICT PLOUGHING MATCH.

The Annual Yloughing Match, under the patronage of the Home Districs Agncultural So. ciety, took place on the Ird Inut, on the farm ot Mr. Daniel McBride's, nine miles north of this city; and the performance came off in a style quite creditablo to the Society, which inatitused it, and more expecially ao, to the ambitious com. pettory, who encered the field, Fourteent teams were on the groand, manned with able ploughos $n$, ranged under the diferent classes.Each ploughman had allotted, for his portion of tho work, one fourth part of an acre, which had to be divided into chree equal porions, by each, respectively. There was no llmited tima given for the work to be performed, which was very proper, and consequently, it was not slighted nor hutried.

It has been our lut to hold the plough for montha in auccession, and from the very elegant manner, in which the whole of the partien above, executed their work, we rewolved, while on the ground, to enter, the field asa compelitor, at the nezt amnual exhibition, if apared up to that period;-this resolution was not formed shrough vanuy, or with the thope of ever being qualtied to carry of the weepstakes, but for no other purpose, than that of setuing a good example to others, and for mutual and personal benefic This principle, we trush, will be more general!y acted upon, anofker year, and it will not be our foultif there ars nut on the ground, at chat penod, at bast ome mumpat compstione, who, will themelloen, be incelculably benefited, from such a demonsuration of rivalry ; and the whole diarrict in fact, would be the gainere from tuch - grand aud creditable dipplay of good ploughing.
The kind of implementursed were wish one oxception, of the very colebrated Scotch iron plough, mont of which, were imported direct from Scollaud. The proporions of the furrow slices, which bach endeavoured so turn, were oight inchew and a half wide, by tive inctees and balf hick, hid repting upon each ofber with a bep of thien inobion, no aldin, thei : arrial of tora
could not possibly find an entranco between them; and these slices at the same time resting on angles of about 48 degrect, presenting a most imposing, and likewise noval appearance.

We felt to much interest in the success of tho abo:e magnificerat enterprie that with much personal amoyance and care, wo had a dynaumeter made by a mechanic, for the exprese purpose of testing the draughts of the aev. eral modele of plouglie on the graund. The dif ference between the Scotch iron ${ }^{4}$ plough, wooden Scotch plough, and Lloyd's Canadian natent plough. was not as much ns we previously antici. pated. The experiments being made when the competition was quito ever, it sery naturally created much atten'ion and confusion, and contsequently it would bo difficult for us to report as accurately as though it had been made by a se lect party who felt an interest in giving enrrect resuls; however, as near as wo could judac, the Scotch iron plough with'a furesw eight inches and a hall, by five inclies and a half, made a draught on the horse qual to one thousand pounde;-the Scotch wooden plough with a furrow of the same thickness as the aboye, and nine and halfinches wide, rade a draursht of one thousand and twenty-six pounds; and Lloyd's Canadian plough with a furrow ct the thickness just quoted, and eleven inches wide, made a uraught afracion lesa than a thoumand pounds

We may have it in our power to test the res. pective merits of a number of ploughs, before the cloce of the present summer, and if so, we shall feol a moss hearty desire to lay a plain and prac. tical report of auch experiments, before our numerour, and we hope, apirited and ambitious readers,
The succusefal parrie were as flows:-
First class,-Including ploughmen without distinction; first, Walter Dalaill, Scotchman, eecond; Georgo Coulter, do, uhrd, George Harrison, Canadian:-

Second clats,-Canadians ovei a certain age : firat, James Johnson, socond, John Gibson, thrd, Philip Ruse :-
Third class,-Boys znder a certain ogs; first, James Harrison, second, Alexande: Montgomery, thitd, H. Lymburner.
The whole amount of Premiums granted, equalled the sum ol sixty dollary, which was expended, in our hamble judgement, in a manner quite atisffactory to all parties concerned; and will be calculated, no doubt, 10 inspire a laudable zeal among the youth of the District, sothat they will be prepared with their well trained holsen to enter when the next oppportu. nity presenta itself with a determination to un. prove if not excel their more expersenced neigh. bours.

Wo feel no scruples in asverting, that better plougheaea cannot he found in America, than are in the Home Distnct; and it is quite proba. ble that in addition :o the premiums given by the Society at their next ploughing match, a sum of money or purse win be raised by gentlemen, residents of the District, to give a still givater impetus to impravemert in thatimportant branch of farming. Under this consideration we would trenuounly edvise the young men of the Dis. trict to sakke as much improvement in their work as possible, and try if possible to excel cheir neighburre in executing good ploughang on their avintarma, and to prepare themolvee for a pablise uipl.

## HOME DISTRIC' CATTLE SHOW.

The Sprine Fair and Cattlo Slow wat held on tho show ground, near the Nuw Gaol; on the 10 h Inat., and the exhibi son swas fully as well attended by the farmors of the $\mathrm{n}_{\text {Istrict }}$ as could be expected, when the backwardnees ofthe sea. son, and the value of each doy, to an extonsiva farmer. at that particular pertod, is saken into account. Indeed, if we had stock of the beat description, and felt morally certain of obtaining a number of prizes wo would not be tempted to slop the plough for any auch bounty, atia pe. riod when our crops should bo sown, and busj. nesa of an urgent nature required our pergorial superintendance.
Agriculturalshows and fairs, ploughing match. en, and similar exhibitons, should be held at a season of the year, when a day or two's absence from home, would not be of so much importance to the farmer. Wa hope in future, that this mat. ter will beatiended to by the mansgeing direc. tors of the various Agriculural Societien throughout the Province.
The exhbition of stallions were very creditable, and probably surpassed any previous show. A powerful well proportioned dralthorse of the "Norman race" was on the ground, and attract. ed much altention, and in our humble judgment, was the best horse, with one exception that sper iravelled in Weste:n Canada. We were so delighted with this superioranimal, that we repof ved on having his portrait taken, and a correct likeness exhibited in the present number of ibe Cultivator. On the morning following the shorv, we accompanied our Entraver to the Inn where this noble animal made his stand, and to our amtonishment, were informed that he had aud. denty died from an accident inceurred on the show ground. The gentleman who owned this horse, had been offered the dny previous the sum, of five hundred dollars, which offer be refuned
Tha fat aheep exhibited, could not be eanily excelled in any country. A full bred Damama Buil owned by the Hon. Henry Dann, M. P. P. forToronto, and bred by Thomas Maires, Esq of the Township of Tespra, may be conaid. ered one of the finest bred animals in America, and if a "grand Provincial Show" chusuld by the orde; of the day, the ensuing autumn, we would not besurprised to see the above ta. imal eulggized by the judges on that occasion.
It was our intention to have drawn up'n lucid neport of the above exhibition; but have, been prevenied from doing a0, from causeq over which we have not the slightest contropl and the few remarks thus given, bave been pened in the huiry of the moment, and for which we beg to apologize

We have no desire to make ouracives atall officious in the management of the Hopo District Agricultural Society, but from the ef finity wo bear til the agricultariase in gen eral, and those of our own District, in particular. wo would feel a pleasure in adrancing the prosperity of the Bociery in cvery piomple manner-and in future may take upon us, the tavk of advancing a few gencral direction for the be'ter guidance of Agricultural Asa sociations.

Lime and Sat.t.-In one of Profemeor Jibumston's experiments, hẹ finds that lime is a goodstrengthener of dis straif, and forvander of the kernint and sipening of whant and ocher grainj
 inents: ithe weight pat
danat Agrioulturish:

## PLUALS.

Hawing giren a descripion of what wo consider a valuable suit of appies. wo wod now describe such phams as no would recuut-meni-maming those why, rith wimh so are sufficiently a a quainted, 20 jusiay our observitions. In presentiagtias deliseation, we shall not ioel bound tu lillure any gubshited work, but till describe the frut, amb gise such namer as are compun in the dolicient places where we have hown it to be cult. vated. With elight taristione, the rustelies are placed in their order of riponing.

Whice Primordian-Tuis plum we have known undor different names: ac the wheat or harvest plum; Jean labice, us eatigy gio low; Jean hatice, or early Juin; suad whe violet. This is me of the first plasas that ripens with us-which is at the time of the whest harrest; hence ane the sames gasm to it. Froit, ahont ne inch and alwil un lengik, and less is diameter; shape, ovai, and some what contracted at the base: colour, pale yellow; shin, covered with a hight bloom, and distinctly marked w, the a suture on one side ; fesh, firm and britle, aid parts freely from the stone, fatsus, oweet anil pleasant; tres, moderate size, with suall branches-from which circumstance, it is not as generally cultiratod as many ofthere, the small size of the limbs readering it difficulty to procure cions for buddng or graiting; leaves, slightily saparated, narrow. est at the base, and downy beneath; young wond corered with a light grey barh. The trete is a good bearer.

Blus Primordiunh-This plum is nso cahtivated by diffierent names: 23 the carly iolet, violet hative, and carty nonsteur. As to size and shape of frat, thine of ripening, and growth of trec, the description of the whitc primordian, will apply to ths. The sarsation of coloun, is accompamed $v$, ith the usual deviation tu flavour; jurple phims besug generally mors acid than those that are white, although of the same famicy.
Eariy Oricans.-Thes is a deherous plum. and ripens soon anter the primordians, of about ibe mudle of Augusc. The rrate is above midule size; shape, welung to oval, and marked wiht a deep susure ; culuut, lyght green, finely specked nath criason; coiered with a thick bloom; desh, meltug, jucy, pleasamif davoured, an 1 parts freely, whin large, round leaves, somenhat downy beneath; liumbe, iuclimeng to bonzontal, and covered with a brown bati.
Green Gage-- We place thes on our hist, next to the carly Orlanis, not hat us serctly next in successon, as to the tume of ripenngy but because it is generally acknowledged as the best plum linuwh, and tho one from when the most of our valuable varietues have been produced. This being considered the richest plum cultuated. all crasses betwoca it and others, is therefore, with those of mierior quality, and the new generations have uniformly become degenerate in flavour; many of them, however, lave mproved 14 size and beauty, and are considered superior to all others for cultyvanom. This is tha teine claude, of the Franch cazalogues; and the green grage, of the Engishi and immerican. The fruit is one inch and three-quarters on dameter; shape, round, whi a distmet suture; colomr, green, with clouds of deeper shade; has a few carmue specka upon the sunny side ; flesh, grecn, meltug, and fult of highly-perfumed sweot jume, rypens carly in September; the tree is of a strong, but thrify growht; lumbs, short-jomed, whit bude raised upon high projectug dnuclitesby which it mag eazely be distumpshed to om any other variaty; lcaves. saall, deap grees and shining above; pomts, of young growh, bave a redish appearauce; lasbs, covered With a sedish tarli, zad bear remarkably.

Washingten, or Bubur's Wahonson.This is nie of the finest luthing flums cul-
 and a lngt in dameter, and hase wcinhed four aumens, if ripers canly in September, anape, near! runnd, wilh, a deep sutuse; cuivur, when rye light zeidn, ciouded what green, with F les bright crimest especho on the eunny eine, uhan fuly expused. Rexh, hath yellow, breaking, sweot and solicsuns, but not as rich as its paremt-the green gage; tree an ugreght and free grumer; young womb, cowered with grey bark; leaves, large, light green, and shanis abuve; itw, ripene early in september Whon he trec is onseInded, mart of the fait show los paked wif, elee its size and flasouc w.il be dammolued.
 newry eqgal tw the Washangton, lieng over
 three vances. it rugens aduat die mudale on Septenier ; culurs, of hacst horht green, with lauds of deeper shave; shape. a latla clongutcd, and e mentracted towards the summit, flesh, mehums, jucy, and extrenely enect; trec, of sapul grumeh, and a good béartr; culvur of hash, upon young "wod, redish brusn; bubla cumsderably cievated; more so than most tinds af jlums.

Imperial Gaje.-Thas sa delcerous plam, mensurng over ino nehes un dameter ; is somen hat elongated; culour, pale vellow, with a few red spechs upon do sumy sude; thesh, meling, and full of sweet, pertuned juice; ripene, about the madle of Septem. ber; the tree ss of rapid growth, and a good hearer : young wood, corcred whe gray bark; buds, slighty elovated.

Brecker's Ginge.-This phum is baid to have origmated in the nerghburrhood of Abany, about thirly years susco. The rree is of a loug and thrity grosib-swmewhat resomblatg khe mperial gage ; fruit, ord, and over the medium ssze; colour, a line green, whit a few specks upon the sumay sude, flesh firm, sweet, and dehcious; the tree bears well.

Cae's Golden Drop-This is an Engish varety, wheh rpens in Septeraber. Lihas all the good gualities of the green gage
plums, but varies in these particulars-it is phums, but varies in these particulari-ut is tree, thas any other sariety of that tamuly; frat, oval, and uearly the size of the Wase. ingtom; colour, a fine yellow, whi relspecks upon the sunny cheek; will keep unth the mudue of October; the tree is an abusdant beares, and of thrity growh.

Red Gage-In stze and shape of fruit, and growh of tree, thes vanety approncles nearor the parent, than any ohler; colour of the frat, releh brown; wih a distmet suture; tlesh firen breakug, inchunge to yollow, rich, and heghy pertumed; rypeas in September Thas and heep silf the maddle of October dered as our best late plums.

Monree Plum. The plum to whorh we have athached this name, we first discovered in this county, bbout twenty-tive years since. It is a scedtug varrety, and ts probaibly a cross, between the yollow egfor or magnum bonum amd the green gage. The growih of the trec, colour, size, shope, and thavour, of this frut, allimicate such a cross Inadu. tinn to this, the person who pianted the stone,
mermad us that st was froma magnum bonum nfortned us that it was froms nagnum bomum pham. The frut is above tedum size;
ehal, flattened in the same direction as the stone; stdes, unequal ; colour, rusty yellow; fesh, breahing, sweot, highly pertumed, and parts freely fram the stanc; rupens about the third week in September; hangs long upon the tree-improving in flavour, until is quit shryyeled. We think
this plum has more valuable properties, than
any uner that as culuvited in this country, and herefure recummend at tor general uxa. The loregong varushes of srunt consain the tinest cating pluns of the scarons; and where these ean bo obiamed, we would douit lise propricty of increastag the nnmber, as euch a course would not be adding whe wasety, for the desert. In adikion so these, we gre the following names, as
vartics cumbie for proserying varibtics entible for proserving.

Dlue Impeniarice.-Tha is a jarge, putpie plum, wimh rypons late in September; flesh, Girm, dry, a кeal, woll-hivored, amil cuvered, wha heavy blum; the tree sa free beares.
 amb shape of is bea's reg ; colour, yeilow; flesh, cuates zud autiere; is apt to rot upon
 thal pressrues.

Smith'sOrienns-This plum is oper medame sue; dark purpla ; tiesh, firm, and rather actid; makesgovd preserves; the tree 13 a youd bearer.

Bhach Damsum, or Frost Plum.-A small frut, of dark purple colvar; shape sound, shin, smouth, luagh, and covered with bluom; flesh, firm; flaspur sour in the nxtreme; and yet many people perier thas to most other plants, for preserving; ripens as October, and often hangs upon the tree until Jenuary; the tree is badya and a great and constant bearer.-True Gentsee Farmer.

## FRUNMG FZUHT TREES.

As proning trees is confince to wa particular scason, some dirsctions $2 m$ the present number may be acteptable.

The first ching necescary is a good sharp kuife, which is not always at hasd.

The second object is to ascertain what part muct be cut ansay, and what shosld remain. To be capable of this requires a knorledge of fruit gron ing, in general, and vegetable physrology and the inture of each find of irec, in particular. The operator should ex. amme if any of the branclics case out too low, and if there is any incliaing, or crowding the better proportioned partr of the tree. Such should be taten of. There is said to be more danger in leaving the tree witis too much thau with too hittie wools.
Witi 3arge branches a small saw should be used, and the operator will use a smoothing planc, to leave the wound perfectly free from hruses and rough ylaces made by the saw, the healing may be much sooner. In proning small trees, let none foot the placed near the root, then hold in the left hand firmly the bramely to oe cut, insert the knife close to the body of the tree, and if possible let the work be done by one smooth cut-The closer to the lody of the tree the cut is made the better. Limbs cut at a ha? inch or inch from the trunk, must oot aviay, or the tree must become much larger belore the bealing can be effected, and in the mean time these wounds are most liable to produce serious diseases.

There $1 s$ much dirpute about the proper time of presning. While sone urge the vinter or spring the only suitablo time, others with as much vehemence, and indeed arguraent, argue sor exclusive sumbier pruning. From our knowledge of the subject, we liave no idea cither sjsiem is wholly true. Any one who has had a little experience will sce, even in the absence of philosophy, that branches cut away in the summer, heal over sooner than in the pruning bo done at any othe time; and he will slto sce, there are not a few joung shoote which como out in the summer, which are not nended, and should be cut off liefore they take nuorishment from the better parto of the tree. On the other hind, there are ofteh awkward and unneccosary braichee found on the tree in the winter, and evan parts of

## THE BRITISH AMERICAN CULTVATOR,

the tree killed er much injured by the severe cold of winter; and this shows the absolute necessity of zprisg prusing. To conclude the aulpe ch the writor says 110 doubt pruning should commence in the latter jart of the winter, ar early in the egring, and continue as circumstances suggesi throught the whole growitg season. If either spring or sumamer pruning be neglected, the troce caumst took so well or do 60 well-L'tarn. Agriculturish

Phontag Frutr Triees-It will be found upon experiment that a wound made on a tree in Marck or April, will look black as soon as the sap begins to How, and that the sap will oose out unul he leaves have put out so as to receive it; whille a uound made in June, will remain white and anmediately conamence kealug- And a ree that has been broken by being loaled whit frut, or otherwise, while tha tree is green with foliage, the waund will took white and the would remais sound; while one broken in the winter by anow, or frem any other cause, will look black and decline to decay-
It has been my hamble lot to spend the most of my lims in the spring and fore part of the sumber in engraiting and pranmg fruit treen, and ny expericuce goas a prova that the best time for pruning is when the leaves are full groses, and the treo is vigoroum sid is a growing state. For at his season the sap has been spent in foliage, and the pores of the wood are filled, so that when the limb is taisen off, the sun and warm weather will dry the end of the himb and close the pores of the wood against the weather, and the 5 ap will keep the limbalive to the very'end, and the bealing will be perceived immediately:-Boston Culticator.

Trise of Grafitag.-Same persons set scions in March, in order to have the work out of the wayt and when woll done they generally live, if. the weather be not unfavourable; but when sel so carly they are not es likely to lise. From that tune till August, they may be set, but the later they are set after trees combence growing, the less the scion will grow for that, zeason, and when sot late they will be tender and of course moze likely to be wiater killed.
Should we choose a ume most favourable Sor acions to take well, and to obthin a good growth alad we should talse that when the buds were just bursing into leaves. At some seasons this stage of vegetation is much later than at others. From the misdie of Apris to the middic of 3iay is generally 2 good uinte for graning in this chimate. This seasou frons the last of April to the last of May will be e posd time.-Buston Culitiputor.

Care of Gaafted Taezs.-Grasting is a matter of but litile consequence unless they receive the requisite care and atuention after the operation has been performed. It is not uncomano to see scions struggling year after year amidst a forest of suchers and the resoaing limbs of the tree making scafcely any progrems and producing no fruif, when if priperly managed they. would render a pretitable return to therrawners. Nu farmer would expect to gather a harsest by planing a feld with corn ard, leaving the cest to nature. The same is true of the srchard ; the cultivation of frus is daily becoming an object of nore importance on account of the inereased facilcies for trensportation and the demand fos it in foreign countries, as well 26 our own. Apples can now be exported to the East indies wish cargoez of ics; and evan the carly varieties to Curgipe in tean olipe. There is no


The climate amil aoil of Alasnachnectio aro peculiarly adanted to the grosth of the apple, and its cuiuration is amversally ackrowled to be arse of the most lucrative brancher of agraciltura.

In considetanon of these facte, it is for out interest not oniy to fruit trees nith hrat rate varcetces, but also to properly pruno and zultivate in ordes to render. ilicm ab prodictive as possable anorwasle My mothod of procciure, whon giviug a now tog to the tree is as follows:

I cut off as many bronchee as $3 s^{\circ}$ necessary for this purpose, leaving the reat to carry on the circulation of the eaj; then anserting two ecwns ti each otuch; let it remana till the next year, when 1 prase of tho remaining brancles and suckers hat may have protruded the first seasone, if the soions have had a rapud growth and aro woll unted, whith the stock, I generally remove one from each stock alse, which will give top enough and prevent their entangling and crossing each other. It the suckers contunue to graw in atuer jeare, they are remored, feathag the setone to talie the entire growth. If branches are found inter. iereing with each other sme of them is taken off and proper direction given to tho tree.

Some persons prictuco cutting of all the branches from a tree at the time of gratting. This I think is erroncous, the scions in this case do not atart so carly and a death blow is given to the tree. Tho shock is too great for nature to bear. The bark of the stock turns black, and frequently pechs off and the vounds do not heal so readily:

Small trees which are an inch or more in dinmeter, afier grafing, innst lie protected in winter by tying them ma to the stakes to prevent breaking down, by the drifting shows You should guard against mize by treading down the snow abruat them or coms olher method, and also secure with stalies and boards a few jeare, to prevent the catthe from having access to them. Many young and faluable trees are lost for want of a litle attention to these particulars. $-1 b$.

Necessity of 4 Changey of CrorsMessrs Edioms.min a conversation the olher day with an unelligent, I stated the remarkable fact, that if an ammal were to be confined to one particular diet for a certam number of days, sclobese, and eventuailyi death must be the consequence; when hia mmediately apphod the ralionale of the fact to a subject at once sa furflily interessing and natural, that I cannuithelp recording it "Thens" sard hex "this bloss al once the necessity of a change of food tu the crop; or which is the same thing a charge of crop to the soil-a rolation of crops, as it is called." Now in this litita remark, a rolume is thrown open to our perusa!, aud by studying it, i bellere we may dersve information and adyantige at present unknown and unappropriated and in return for the many useful hints and vary pleasant idens that I am continually reaping and garnering up from the pernsal of your paper, I offer the above ia gratelul ackaow. ledgement.- Farmer's Calinel.

Anvise on tha Care and Manageuext of: Touns-From a new cdition of the Cibinct 3 Laker's Guide., we qupte the for. Iowing:-

WThe goodness of $52 \mathrm{~ms}_{2}$ chisela, and other edge tools, dopends upon the qualty of steel, whick should be unfarm throughout, and it us always betser to bave shem tempered too hard than too solf, for uee will reduce the temper. If at any lune you wins to restore the temper, and to gerferm the operation yourself the lest inethod is to
melt t bufficions quantity of load to immereit
the cucting part af tha zuol Hathat prevo ounty brighiened wo zwrsurc, then piunge it intu the mefice lead lut a ien anmace, liak it gow anficiom hot co.meit a guche, yula thich rub as susfino; then glunge it in again and herpathere whil the sicel bes. sunnes a ktraw colour, (hat be carefol ay to. let it tura biuc.) when tiat in the caso tulo.
 it cuol; if it ehwad be luw whf, sipe the greczo if and repeat the sume arocest without the fallate, and when suficiontly hot, plunge it ino cold eprimg water, or water and Finigar mixed.
"By a proper attemun to these ditections, and a jifie gractice, every workman will have it in his power to give a proper tomper. to the tools he may use.
"II a saw ia too hard, it may ho tempered by the same meang; if youl pro near a plume. becs thop, juu may repeat tho process convesiently and wihout expense, when they are meltiag a pot of lead.
"Ia other knd of swols you must wait citl ${ }^{7}$ the steel just begus to turn blue, which is a temper that whlgive it uivte clasticity atul
 Americat Mechanic.

Impontant Improveurnt mi Sexantug: Seed Wrmest--In the selecton of scedWheat, take at least six bushels on a gnod quahty, ifen takea sueve or kereen with holeg I sufticienty larges so that 5 bushols of the 6.9 will pass ihrough it. The one lushel tuath? romans will the kernels of the larsest ejzes.; and thas should be uecd for reced. Whan's thes eeced is sourn and germmates, it irile: be found that the blades shicherwplager from it will be uniform, and present lue same healthy appearance. aml silt maintaua. the gane equality until the time of haryest:ing. Thus insteal of havirg fogreat a preporfion of small weakly stocks'stant from ${ }^{2}$ diknsed or pinched hernela which can nevër produce any thing but snall strms aud consequently wheat of an inicrior quality tho whble will stand a far cimuce to rome to maturity, dicested of ${ }^{\text {a }}$ ny evils which' anend the sowing of grain where siffitis"s's neglected.

But, fays the reader, this important dise covery of which you sueak, don't amount to any thag afer all. It las luecn fnown for yeare, shat to sift out the snallgrains troin ceed-wheat is a goou ilen, aml is now gehertat ally pracised amor g our best farmers. I: will respectfully ask such, mue you, ever: Bnownsifung carried to tue esient 1 propge? If sou have not, you knew but hiside of fie" real benefits that will result from this diecos is rery and pracice in accordance withite reasonable theory.

1 an informed that keaas -howela gesgor of this town, tried the experiment lie past. scason, abnd the result thas swiat we had good reason to expect, the mosto perfout. growih of wheat he lias evertriecd, it beheve if this practico shonks bo ackopted. genarally by the farmers of this State the qualey and quantity of the wheat crop ivoud in a jery few years be increased one-quaty ter by the simple process of eithint eeed ini the proportion 1 have simmed; nnd na farmen; need be afrard of injurng ltis esed by, catis rying the principle to the freat aul extreme. The improvement is withith ila reach of overy farmory and he rail satisly hmiself of this goint.-Maine Farmer:

Vement to Mend Cinni' of Gepan* Garlie ritamped in astonomarting; the grich whereof, when zyphed to, the gheacistota joned toxther, in tho fuyest and sterrent coment for that purpore and will gave ox or ma maxk if dope with metra,

## For the Cudivater.

Secing that in your last nomber you have iavited your esteensed friend from Waterdowne to favour you with an illustration of the p.obable luties and ienefits of a General - Bonrd of Agriculture for Canada, I end you the following remarks on tiat subject confident that noither your esteemed friand, yourself, nor your readers will look upon, may doing so as an unreasonble interference; as there can bo little doubt that what I have te communicate, will be in accordance with his more coupprehensive views and coming as it does from ons residing in a part of the Province far distant from Water Down, who han mever had the pleasure of an interchange of jdeas on that or any other subject with jeur eateemed correspondent, may be the more atrengly corroberative in so far as our opinions are found to agree.
The Agricultural class in Canada at present, at a body. possese but little influence Jittle wealth little knowledge of their profeseion, and little general information comgared to what they ought to possess, from their number, the reapectability and indis. penmall utility of their profession. That mion gites strength, waswell demonstrated in the daye of old by th.e bundle of sticks whioh, when ceparated, were easily broken bat, when nuited, were not, from the support they afionded one another; and the exprescion divianand oomquer, is equally plain, and the the precent das greatly in practice.

In pointing out as you desire, the proba. b7e dution and benefite of a General Board of Aerioulture, it were in my opinion more injuripus than profitable, to enter into a manate dotail, nince it is found that while smany will agreo on a principle, and on the necenity of effecting some important mea. sure, the detaile thereof, ase often subject to great diversity of opinion. Witnese, for instance, the diversity of opinions amongat. men on the eacred word of Sod, while they all profens obedience to His Jaw, and that their various comments are for the interest of man, both in this world and in that which is to come.

It may be hoped, however, that it would mit leave much ronm for differencen of epinion, to say, that it wonld be part of the duty of the Board of Agriculture, to unite the agrienlturel intereat of Canada, and that is to ruake it atrong, and when it shall have eequired the strengut, which is the consequerce of union, there is little doubt that, in that Board oi Agriculture, tivere shall be found suffiejont intelligence, energy, and diecretion to effect soms good.

Let ne take pattern from all of the most civilized clasess, orders, and professions of men ; the pious clergy, the public legislator, the speculator, and intelligent Imerchant the practitioner in law, and in medicine, down to the poor Paisley weaver, and Man, ehenter cotton- spinner ; who all demoustrate to en that mion gives strengeth. It is highly iempertant sccording to my viewn of the sofjeet, thet thin Gepersl Board of Agriculning phout as eaviy as Jormed, cobmuni-
cato their views to the Executive Government, and that the prospectus of thoir procoedinyt, should be such as the Government would be likely to approve and patronize, for admitting, what nowe can deny, that the prosperity of this Province depends on the prosperity of its agricultural interest, and that there is no question, but the Government of the couniry is anxious to promote the general prosperity; clear reasoning and proper ropresentations froms such Buard, would no doubt, receive some altention from the Governmert. Indecd such a Board patronized by the Government, might be highly conducive to the carrying jnto effect, many of the measures of the Government, and especially in the education of the rising generation.

If a practical illustration is wanted of the benefits and duties of a Brard of Agriculture, we may refer to the Board of Trade of To. ronto, Quebec, and Montreal, from all of which are rent forth to the public, matter not only edifying to the mercantile class, and to the public in general, but what is of much real practical use and importance to the farmer, and I believe I may venture to say, that in sume cates the reports of such Boards contain more real useful infermation to the Government than the collective wis. dom of the House of Assembly (the mercan. tile men excepted,) could afford on the subjects to which such reports advert. This General Board of Agriculture, could do much good in collecting, condencing, and circulating amongat the farmers the most useful information connected with the pro. fescion. They might be instrumental in showing in a more clear, condensel, and uniform view, the disabilities under which the agriculturist labours, and petitioning with mare force and effect for the desired amelioration. They might aid in preventing the circulation and signing of many useless and sometimes injurious petitions, which are laid before farmers, purporting to be prayers for what is the public good while the real object wouther self interest, or if not may be so worded as to injure the cause it was intended to espouse. Take as an instance of thic, a petition got up about two years ago in the Home District, to the Jmpe. rial Government, praying for protection to the agricultural interest of Canadio and assigning as a reason, "that when wheat was higher in America than in Europe, that article was of less value in Canada than in the United States, because a duty was levied on foreign wheat in the. States, but none was levied in Canada;" or, words to that effect. Now should the farmers of Canada general. ly sign such a petition, and that it should go before the Imperial Parlianent, its.effects could not fail to be injurious to the agricultural interest in Canada-because if we frave no belter cause to show, why a duty should be levied on agricultural produce than that petition contains, we aever should have that duty. Fortunately, the petition met with deserved opposition, and it is to be hoped nover found its way to the Mother country.

Anether potition sa now got up in 'J'oronto which minds me much of an axiom, that says - if a resolution is to be moved to which you aro opposed, move it yourself, and do it in such a way as to mako it misoarry." Thia petition has four paragraplie of reasoning, os of matter showing certain facte, which is may be presumed are intended to justify, and render reasonable, the psayer of the pelition. In this communication there so not room to quote this petsion, it may bo remarked of its first paragraph; that it does not strengthen the petition, to limit its subscribers to farm. ers, but on the contrary weakens it; and many of the most intelligent merchante in the Province, even the managers of Bank institutions, would agn a petition for agricultural protection.
Of the second paragraph it may be remarked that it ts nut the present low prices that the agriculturist reste his claim for protec. tion on, but on a general principle, that he has aught to it, whether prices are at present ruinously low or not. Pasaing over the third paragraph, it may be aaid of the fourths that the Legislature of thim country, bave already passed a law inposing a duty on American wheat, and therr doing thia, wan highly praiseworthy under the circumstances, and how can we now sign a petition which says, "petituoner! have no wish to have any restrictions on such articles of Agricultural produce or merchandise as are introduced for the purpose of being exported to Europe of elsewhere." In the same paragraph, the petition, "represents that hie benofits enjoyed by the United States farmer, by having owr markets open to him, are not resiprocated.'Suppose Lord Stanley should so arra: uge it with the American Minster in London, that Congrese should immediately pans.a. lav granting this reciprocity of open markete in the United States to the farmers of Canada, in order to put an end to our complainte. would that benefit the agricultural interest of Canada? No. because our market is generally better than theirs; and before the Americans come to a conviction that this reciprocity would benefir rather than injure we had better lay aside the unmeaning expression, till we have something to export is the United States, that shall command generally,, better price than we can obtain in the British market, where we are favoured, or in our own home market on the banky of the St. Lawrence.
The prayer of this petition in not mofio ciently comprehensive, it enumerates certain artcles, and leavos out many, on which duties ought to be lovied. Indian corn for inctance, of which one establinhment near Kinguton, converts about $\mathbf{5 5 , 0 0 0}$ worth anhualls, into whiskey.

The prayer of the petition should be for a duty on all agricultural produce, in addition to what is therein enumerated.

## The Pitrsivpe Faxmer,

May 25th, 1843.
 the cloth in a zolation of Alom for 16 rempitith
 vesined Chalk.

## PLANTING POTATOES.

In eonrequenee of the unarordatile selay of the inane of the May Number, the meason for planting potatoes will be pretiy nuth overbeforn is seac's the mideribers. If will, therefore, be un. necessary we give full particulare as to tho man agement of that important crop.
One of the moet prevalent errors practuced in eulisivating the potatoe, it, the covering of tho seed too deep, and afterwards hanking them up so high that they nutunfrequently sufferfrons the irought, and are subject to varivus olher risks. An sc. paciatance of onrs is so fully persunded on this poist that for the last acven years he has not put aplough in his potatoe field after his crop is plan. ued until it is ready for gatherng-his mode is thas:-he ploughs and dunge his land in the antumn, then ploughe again in the spring as soon as he can get on the land, and subsequenily har. rowe a number of timen an an to completely pul. verise the coil, and it the land require an exira ploughing, be makes it a point to adminuter to ifs mecescities in that perticular. When the ground in ready for planting, which, on an av. erage of seasons, is by the iwentieth of May, he ploughese though for other spring crops, and dropa potatoe setm in every third furrow, at the diatance of ten inches asunder. The proportion. ate aize of the furrow, averago uine inches wide, 6y four deep.
The after eulture merely consiats in a thorough harrowing with the lighteat description of seed tharrows, at the period the planis are burating out of the ground, and dreasings with a home culti weter, at autable periods, for freeng the erop from weeds.

From the above mode of manngement, from four to five handred buskels of excellent potatoes, are raised per acre. If the lend be of a heavy tenmecons clay, the above might be devs. ated from, in this particular-by simply r. 7aing the plough down between the rows, and forming a fight furrow, to carry of a superabundance of surface water, ifauch should happen to be on the land.

## ACKNOWLEDGEMENTS.

In addition to the regular files of the Ameri. ean Agriculturist, we have been presented with the firat Volume of that work, got up in a nent and convenient form for binding, and also, a quantity of extra numberisent for the purpose ordistribution among our triends in this District. We would feel a pleasure in distributing them to any who may favorrus with enell.
The above Journal has been before the pub. lie only fiftoen months, and in jugt what its name perports it to be, a National Journal, or, one of the leading organs of the agricultural claseen of the great Republic: Yte talented Exitor, A.B. Allea, Eaq., is evidentiy a man qualified in every particalar to perform the arduoue tank which he buen nodertaken, with credit to himself, and the matien whowe interente and welfare be advoceter.

We learn from a private letter from thet gan toman that his Journal is obtaining a citcula. tion which exceed his moet sanguine expec. tations, and from the account he gives us, we are led to suppose that his work han double the circulation of cor own, potwithatanding there are six exclmivaly agricaluarl papers prabiatod in the gimetic stintso and only one in the monch ' beaciod Alriomlitivil Itrapinee of Cowniba.

The American Agriculturist contains thirty pages on a cheet $n$ trifling larger than ourownsay one-sixiln-nad may be had fur one dulla: a ycar, exclusivo of Ameriman and Brash past ago. Those of our subserihers whis would like to take in also, $n$ foreign nulikeation, would do well ior in furward us their dullar, and we would procure them tho abovo work.
Fur want ol gpace, we havo to apolugizs tor not reknowidgir. numeruas favonrs from pub. lishera and uthers, but in lulure win will endea. vour to do more jusidee to our friende in thas par. ticular.

## THE WEATHER-THF WHEAT CROP \&C.

While writing this article, the atmos. pheric temperature is extremely culd for the time of year, indeed, vegetation appears very backward, Ran has ueen much wanted for some time. and we apprehend that crops oi every description will be under 2 ineduin yiodd, the ensuing harvest, unless a decided improvement takes place $m$ the weather, during the next fortmght. In such seasuns as the present, the application of the following substances as stimulant manures for top dressings are attended with nost advantageous success, especially to the hay crop. Gyansum, at the rate of one bushel and a halt per nere, salt at the rate of two bushels per acre, and unleached ashes at the cate of thres bushels per acre, will be found to add at lrast fifty per cent to the gross amount of the product. If any are scepticat on this poms, let them try one half acte of each, and by that means satisfy themselves as to the correctness of this statement. In the neighbourhood of a pot. ashry or soap-boiling establishonent, Jeached aslies may be procured for the mere draw. ing of them, and if applied to grass or alnust to any crop at the rate of sixty bushels per acre, will be found 2 most efficient stimulus to the plante, and will doubly repay or all expenses, The farmers in the neighbourhood of New York, Philadelphia, and Boston, have become so well acquainted with the use and importance of leached ashes that they not unfrequently pay ten cents per bushet and lado them eight or ten miles back in the country.

Aecounts have reached us from almost every state in the Umon, relative to the prospects of the wheat crop, and in summing up the whole testimony we give it as our opinion, that the prospccis were never better.

We notice conficting accounts in the English Journals, relative to wheat plants, but from the best sources which have reached us for obtaining the necensary informs. ion, it is our opinion that the prospects of a good crop are flatteriug.
Information from the very best sources, have reached us from almost every celebrated wheat growing District in Western Canada, and with but three exceptions, all agree in giving it as their opinion, that the wheat plants never looked worse at the advanced stage of the season, indeed, it is thought that fall sown wheat will not yield more than half an average crop, providing the summer season be ever so favourable. We understand that one half of the crops in some of the townships, heve been plaughed up and sowed with spring grain.
The sickly appearance of the wheat crops may be sttributed principally to two caused. The unfavourable and backward season in which the seed was deposited in the ground last mutumny and the great depth of now which lay upon the ground during the past winter. We underutand thitt many farwere tieve ploughed up their whoie cropy

It has bcen frequently remarked by us that the system, or mode of manageing farms practiced in Canada, is the seal snurce of inuch of the distress at presint. experienced by altnost als classes; if we required further testimony than what has been alreaily adduced to subetantiate that assertion, we would only have to point to the fact, that, during the last four yeare, only one good crup of wheal has been harvented, or in nther words remunerated the prom ducer. In the harvest of $18: 38$, the crope of wheat yulded abundantly per acre, and the prices were exorbitantly high-in 1839 a gencral failare tonk place, owing to the millodews which was prevalent, The failure was so great that thousands of fields were not touched by the reapere, and many of the best and nost wealthy farmers in the: province, were undo: the necessity of obraining a supply of bread stuffs from the United States;-in 1810 there war 2 me: dium crop, and ifit had not been thit an urusual quantity was sown the autumn previout, we would have heen under the necessity again sending to our neighbours for a supply for home consumption. The average that year did not exceed 16 bush. els per acre; in 1841, the snow foll ox. ceedingly deep and romained on the ground for upwards of five months, the consequence wae, that the wheat plan, were smothered, and the yiold per acre, was very cimilar to that of the year previous;-the small quantity of snow which fell upon the groumb, during the winter of 1842 , tended matorially to injure th lants, from quite an opposite. cause; an...ow, in 1843, the snow has fallen so deep, and remained on the ground so long, that, we hear of 10 hing but gad complaints abnut the severity of our rigid and" Laplandish climate," and other hard epithets aboat our country; anci it is generally surposed that the ensuing wheat harvest will come far short of the average above quoted.

The difficultes which a Canadian farmer have to surnount, under the prement jystem of farming, are ao diversified in their general character, that it would almost puzzle a philosopher to recommend a morle for ame. lioration, however, we feela gympathy for our brother larmers, and shall jore no opportunity in giving them such friendly advice, as may suggest to our mind, while engaged in the operations of farming, In the meantime, we would take the liberty to say, that no one shouid depend solely upon the wheat crop, at the same time, wa re cornmend a better system of management for that important crop, which will leseen the risk, and add materially to the product. The manure intended for the summen fal. low, should be thrown up in large loapa and -overed with surface ovil, to prevent lome frum fermentation. And apother method we. bave practised to a limited extent, and one we can safely recommend, which is to draw out the barn-yard manure, during the month of June, and plough it under with the firat. ploughing.

After ill that has been said, respecting the Canadian farmers turning their attesLion to the dairy businesm, we fear but little action will be taken on the subject; and a small and inferior quantity of butter will be exported the forthcoming autumn.

If farmess were only enterprining, and. felt an uterest in the succest of them onjp. welfare, all the difficulties that they have to encounter, would be comparatively tifiting; When compared to the natural advantagee which the fertile Jande of Cuade Mneinite: for the growth of fax, heinp: daity prodees and mant ${ }^{70}$
bsix
rearing of chiciens.

## To ste Editar of the Farmers' Register.

You some ume since reguested to know my mode of casang chachears, and I indie grent pleasure in forwarding tho same to you.

I must, in the first place, givo you my plan for constructurg 2 "hen house," as I consider it one af the most maportant thangs about the rearmug My "hen houses" are built af pine logs, with the bork taken off, and chinied in with wood. On the inside of the house, and aboutene foot from the walls, 1 plass forks, across which I lay poles for the fowls to roost on, beng carciul that no part of the poles or fortis shall touch the house. Alrout once in four weeki, 1 lisse these poles washed or replaced whin new ones; loy these means I get rid of dice, it any should bave found their way to the roost of the fouts. My boxes for tive hens to lay in are pue upon forks in the same manner, benng eunrely detached from the house. and are tanen out once in thrce or four weeks, and new nests made for the wenc.
Since I have been pursuing the plan, 1 have never been troubled withice, nor bave 1 erer lost any consuderable number with the gaper, a dsease wheh I am convaced proceeds from the young chockens minalng ben lice from the parent hon.
In chickens having the gapes, 2 worm is found in the larynx, uear the lungs, which continues to increase in suze antil the whole aperture in the windpipe is filled up, and the chichen then suffucates. I am conviacod that this is the cause of the disease; for if the pareat hen is kept clear of hee, the young escape rhe gapes.

Whent find my fons are ready to go to setting, I alrays in the carly pati of the season, set two on the sane day, and when they hasch, put ghear rogether in coops, or hovers, and feed them on corn bread; untul tbe chickens begin to feather, Fiven I give them small homing. At this time I uhe away one hen, and confinc lier for $i$ few days, when she will bersme waznei, and again be ready lor seting in 2 few wecks.
In be summer, when the you gh chickens do rot require the protection of the mother to bover them, 1 frenuently give 23 many 29 fily or sixly chickens to one hen.
lest season I set six turkeys, and juey only brought aut a sufficient namber for three of them to ationd to 1 set the remaining three on hen's cges, takrog care to set $i$ hen at the zand tione. During the seasom, eaciz turkey brooght out abrec broods, amounting in all 10 IEX clischers.

The tarkey here while setung requan to be well fed and waterel, and tf well athended tor will set mosl of the summer.

Since I hare adopted the aboae roles, I子ave beed very succuasfulion masing rluckcnt, and can recommend them to the patrons of ule Register.

Fery respectfully.
Wン2. 3. GRERAN.

Peach raens.mithen bearing trees ase planted in low places, the llanson buds are urged forward by the warmith of dar, ancz the increased severity of nighe frosis deetrays them. But on hilly these extromes of heat and cold do nos ccrur; hence they getrerally escape. One of the carly sestlers of Wayue county, near Palonga, incoly foar jears zem planted a peach orchard on a hill mearly one huradred feet atore the arerage height of land; and during twenty Yenaw wince iney hra began io bow, he bas

LIME IN ACRICULTURE.
Of the mineral substances that have been empluyed to mproye the gonl, lime is the must miportant. All our lands seem to be susceptihie of great heartit from it; and I believe that in many paris of thas distrat it can be obsaned on such terms as 10 create a probabinty thet it may be protinbly apphed. The ifeory of the modes of action: invalwes chemeal promeleles, which it would be beyond $m y$ homts to attemgt to explan here ; I may briefly sfate, honever, the facts connected with its various effects.
It renders stif and tenacious soils more friable-and light and sandy coils more retemive of monatre. It disposes all vege. table matter m the soit to decompose, 80 as to supply the nourishment of living plants, and th sakes the sutraive matter itselimose salubrious. These last effects may be seen an familiar instances. If a little guick lime bo added to a heap of leaves or rotica woon, it is $800 n$ reduced to black mould; and if a hitle be sprinkled on the rank eposs which get up is pasture lieids, and are'rejected by catle, they will shorty be caten dosva. It is not more active in rendering the vegetable ravtler of the soll avaikble, than it is in giving vigor to the plantr, and goodness of Guifity to the grain; and on no grain are its effects so remarkable as on theat. I knew a genleman who from kavint a great command of manure, thought that he might dispense with lime. Ife raised by measure as many cu:hels of wheat on the acre as bis neighbours; but it was coarser in quahity and therefore lighter, and in the British markets great discrimination of price is made on account of quality; so that he lost in tyo ways. 13 e hau $2 t$ last recourse to hmon and with complete suecess.
In cold and humid climates, it is not consadered that old turfy lande can be profitably broken up wathout lime: the straw will the abundant, but tlse grain ligits and mmaziured -ireated whin line these lands are the most productwe. In our climate, the segetable mannr has no sucb a tandency ta be come peaty zand mert, and lutue may not, to such a degree, be necessary for the purpose of pronoling decompostions ; bus if would in erery casc make our whoat of ontter qualify. In our best lands, it would give health and vigor to the straw and rander it less obnaxious to the diseases to whicn luxuriznce is exposed, and it would maho hamds, at present tho rich for bcaring graí, capable of producing healthy and yroductive crops From whit has heen said, it will follow, that it would be improper to apply $\operatorname{zime}$ to imporerished land unless at the eanse time accoscpanicd with tnanure, without which it would aid in the robbery of the zois. For other reasons, it should not be applied to ket lzad.

In ralculatirg be expense of liming, the permanency of in effects should be taken into account. If a proper dose be adminittered, there will be no wead of a repecition of it for 15 or 33 years. What the dose shnuld be, must depend in the guatity of the land; but genernily goeaking it minuld be increased as the land is muro adicesice, or is it te nuac nilled uilh regeiable malles. There anc soils probally that sooud be bectehimed by leis than 100 bushels to the acre, er which would regure mare than 300 io produce the saxatasim eflect. Aty, is pro porina to tha nows at the coil, the quantitg of lime used is small. the two should be mised torcher as eqoally and soumaicly as puisible. The lime may be allowed to dic wif a fails down into a state of four, and
thea be apread out, when the wil has been


Tonatoes roll coms.-It is mot gene rally huown (tays the P. O. Adrocate,) that this verretable is a sumarior articie of food for milch cows. We hare tried itimosum mers, and it is decidedly muperior to any other regetablo we dave yet 2 ried. They add greally to the quantity as well as to the richuess of the milk, and give a rich colour to the cream and butter, which is at least pleasant to the eye, even if the flavor is not so improved. We do not know howeser, that they impart any sicher Gaver to the butter.

We have known a cow to refuse them when first olfercd, but soon became rery ford of them; others, we believe a 3arge majority, eat them greedily from the firet. Hisus tar we lave fed them only in the raw state; hut if boiled wath corn meal, ney half and hakf, or 2wo-1 hurds tamatoes, they will. doubtiess, be far beller.

To one who las a dairy farm, the cultiration of an acre or two in tomatoer would he repaid by greater profit than any regetable we know. From one acre not lath than cight bushels may be gathored daily from July until frost. There is some trouble. in picking them, but then mearly every farmer ins children; his little boys-xy. and hit big ones toomwoyld not be the worse for a little wirk. We should be glad to sec the experiment tried on a larger scale than ours, and to learn the result.

Sparing-We have received from $\mathrm{L}_{\mathrm{L}}$ Bishop, Esg, of Smyth County, Firginia, the following account of the procers adoptod in epaying pigs by Hufum Rouse in that neighliouriood.
"Fix a plank three feet high. Jay tha pig ugon the right side on the plank, with two persons to hold the fore and hind lega and mouth. The mpletnents used are a sfarp pocket trife and a long crooked needle, wh cutting awiblade edges, and a strong wax thread. The operator takes his lmile and shaves off some of the hair, three and a quarter inches fromi the fip bone; he than makes an incision crosstuse, so the he can antroduce one finger to bring out the utcrus; loe then cuts off the whole of the vierus and thross it away; he then eatera The meedie on one side of the mound and brings it up through the other, and secures it with a stront kion. One slich is eufficiemt. A misture of tar and hog's lard it used to somear the mound. Ta.s mode of operating ws the invention of Capt. Rouse, and ilam in tarour of the plan, considering it more safe and less troublesome than the oher methods."-Cultitator.

To zorsewryes-Recent axperimenta m more than one famity in the city, zaye the Delanare Gazeluc, have eatublished that Hee plant issown to botanists as the Poiggonum yruncatum, commonly called water pepret, or emart weed, sod which mat be found in great abundanca alo $\%$ dixchez roads, lanes and barn yards, is an effecinal and certion alestroyer oi hed bugg. It is shid to cxercise tho same poiconous cffect an the tica, it strong decocion is made of the herto, and the places inferted with the mact 2 re carefully washed therewath. The plant may also, with much adsantage, be suresm about tha roam. Elderberry leaves, had uphn the shelves of a cuphoard, will also drwe away roactues and anis in a yery short lime.
 I. dectroys lin worm, is not relishec by


EXTRACT FROM A VERY SLNSIBLE ADORESS OF MATES RANKINE, of cananadagua.

Someres or mapprasss.-Wurely pecumia. ry gain shouid not be cuisidered as che scale in which all things are to be weighed. It has been said that wisdom is hetter than riches-and it is indeed so. The auvancement of fortune is 2 laudahls object; but wa have reccived the capacity for social and intelleciual enjoynents, and it could not be meant ly the Giver that we should receive it in vain. All out struggles in life are dirceted to increase our happiness-mis, howover, we confine our endeavours merely to the enlargement of our possessionf, the gralifiction whels may arise from success will stull be a gratification to which a ramonal and reflectung beme should be loath to cantine lumself. Tha higheet order of happiness, and that leass exposed to viciss. tader, is to be found in the cultivation of our sntellect, and the mproveratent of our dispositions. Knowledre may put nothing immediately jno the purse; but it will bestow a purer and more lastung enjoyment than any thug coutaned in the purse can afford. The more we muglo in friendly intercourse with our speciek, the roro will our benoyolent feefings be expanded; and if, in adduians to wental culture, a man be at the same tume in peace with himsclf, and of clarity towards all men be affirmed to have the means of happiness ndependent ot worlidy circumstances.

Ths Fatmer's mire-Gentlemen, allow me to congratulate you on the happy sizuaton in life, in which those are placed, who are eugaged in the cultwation of the earth. It indepeadence, in healthiulnese, mame. nay, it excels every other. 1rrudence and economy, and a just estimate of his position in sociely, are requiste for a man in all situations; but to whom are the factities to independence so great as to ule farmer? Favourably situated for avouing tempiations to be 1-d away by the vanites of society, he is surrumded with every thing neecssary to comfortable exsitence. His life, inveed, is a indorsous one ; but latour ts no evil-it conduces to the vegour of the body and of the aind, and certanly, it is not in illicness, that happiness is ever found. The very plxce in which his habours are carried on is favourable to him. He lives not pess up in wralls, and in 2 confined or insaludrions atmosphere, but on the free airs of leaven, with the boundless sky for a roof, and surcounded by every thing that is sovely in nature, and calculaten tolead the mind from nature to nature's God. The sentiment of joro and admaraton of the benutiful works of the Creator, Jeads us to sce him, and to know him, and to atore him. He who can plod os in his fielde, insensible to these beauties te rruly of a cloddech heart. He is incapable of experiencing that sublume love of the Deity, which alone can elerate the soul above the maseryen that encelope all wardly concerne, and give him as it were, a foretexto of the pure and cxalted jogs of 2 future state.

To wast wooskex coons-The art of washing woollen goods so aut 10 prevent dheia from shrinking, is one of the dessderntum in domestic economy wortioy of being secorded. and it is therefore with satiafaction we ex plain this rimple process to our readers. All dereriptions of woollen goods asiould be wabled in wery hot water with sozp, and as mon as the article is cleaneed, imperse it in collewatar; let it then be mrons and hung up ta dry.-Sousinern Plentor.

Lice zn cattre.-1. Mercutial ontument rubbed on the animal from the crown of the : head to the root of the tail, dova the back bone, will effectually kill lice in a day ar two. This, however, is a dungerous remedy to use, unless the amimal is fept in the stable, and requires great care to presprse him from the efficts of cald and wet.
2. Coriosive sublimate is another effec tual remedy. Tlis is to be applied as before prescribed, but, like No. 1, is dangerous.
3. A strong decoction of larkspur is also a sure and safe remedy. This should be applicd as recommended for No. 1.
4. Spirits of turpentino is also a sure remedy. It should be applied as Na. 1.
5 A decoction of Tobacco, applied as ivo. 1 , will destroy the liee.
6. A mixtare of Scatch snuff and fishoil, rubbed on the affected parte, will destroy lice.
7. A mixture of solt ssay and Scotch snuff, well rubbed on the parts, will also eradicate them.

As an auxiliary to whatever remedy may be used, the currycomb and brush should be Ereely applicd, atter a day or liwo in ordet that the hive and hair of the anima? may be Kept rlean. No ammal which is well sed. and daily curried and brushed, will either breed or retain lice; the latter operation, however, few who have much slock can regularly attend to.-American Farmer.

Poce Evit-Tbis disease says the Soutiern Planter, has generally been considered menrable, hut Mr. Samuel 'Serri, of Caro. liae, an old yendemen of the highost rexpectability, called at onr ofince a fow dags suce, to say, that he had foum an unfashing remedy in the hale evergreen, commonly called the ground ixy. "The leat is gatheren and uried before the fre unal it can be pourded, nilmen a table-spronful is maxcd who an equal quamuy ol slacked hme, and the swellang, hawng been lask open to the bone, the muxture is latd on the wound, and kept in its plece hy a bandage. Mr. Terril says he has used an hur elf, and that he has known it iequently used by olhers, and that, in no instance, las the first appication failcd to effect a cure.

Dr. Lewis Feuchruanger, of New York, in a letter to the editor of the American Agriculturish, says-The following prepasaton will effectually exterminate all caterpillers, snails, buge, beetles, carth deas, lcaf lice, anis and other insects on felds, wees, buches and hedges.

Take dilused Pyroligneous acid, 1 gallon; white oak bark, 118 . urice, halr gallon; garlic, inali pound. Aiter soaking we oak bark and gathe for tro days in the actd and unte, stram hiem off and sprable once a week or offenes, the crees infected with insects, or the pea, cablage, dic. and thes will be preservai for the ecason.

Mode of nctensmo the fotatoe crot. -An Englieh writer says, by carefully removing the huds as they appear on the poratoe vines, the cmop of largn ones is very much augmented. The theory is plausible, and Norihy a fair trial.

Candese.- Prepams yout wicks about half lhe usual size, wet with spirts of zurpentise, puthem ta the sun untul dry, then moula or dip jour candice.

Candies laus made, last longer, and give
moch clearer light. In fict they are nearly or quite equid to aperm ia clemratis of liges.

Red on black ants.-Take a few eprigs of green wormwood, and place them an im. ceddate cmatact whith black or red $2304,2 n d$, they will dizappear. I have found this to. bo effectual aftes ubsig cvery other remedy whthin my hmitod hoowledge.

Another remedy is to eprinkle chaik around the places they frequent. It is said the chalk will cause then to mako thests exit, but 1 hate not had occasion to prove it-N. E. Farmer.

Salimg Honses.-A curious fact is mentioned in Parker's Tresties on Salt:-‘-A person who lept stateen farming Horses, made the follouring experiment with seven of them which had been accustoned to take salt with thenr food. Lumps of rock-salt were laid in their mangere, and these lumps, previously weighed, were exammed weekly, to ascertain what quanaty had been consumed, and it was repeatedly found that wheneser these horses were red on old hay and com, they consumed only from $2 f$ to 3 loz per day, but that when they were fed with new hay, they took 6 oz per day:" This should convince us of the expadiency of permating our cuttie the fres use of salt at all times, and it cannot bo given in so convenient a form as rocks3it, it being much more palatable usan the article in a refined state, and by far cheaper. A good lump should aluays, bo legit in a box by the side of every animal, rithout fear that it will ever be taken in extess-Farmers' Cabinet.

Mame Yinegar--We have bever foind any difficuliy in making good vinemer froin ciuder when we fave drawn it from the lees after the fermentation was riholly over, and plased is in a place where the temperature was lighler than it is in a cellar. Leit on the lees, or in a low temperature, the aceturs fermentation is rarely compicte. If our correspondent will place tis cider where the temperatare is frum 65 to 80 degreer, and isaw a pailful daily from each cask, to be returned by the bung-bole; or if he will procure from a cask of foxd vituegar a quanzay of the substance called mothor of vipegar, and add it to a cossl, we thini he, will soon have vinegar. There are in hondon criensive vinerar factorics mamaged in thia way. The casks are placed en end, and the tops made full of boles. On each if placed a bucket or tub, containing about half a bushes of inferior or Mialaga raisiac. A man is constently emplojed in papsime around the noms, which are heated to 7o or $\$ 0$, drawing a paifful from the bottom and $t$ aring it upon the raisins, from which it enters ihe cask. This gives the mine-flavor and body. It the cider is too weak. zugar will make it first-rate in a fortnight-Cxifrrator.

Bres-Tbe best place to pat bees in isa jry, cold, and dark room or ourbowse, if it caalice obiaived. The colder the winter the beller, if the air in dry. Drap cald givem bees the rot. Put your bees where the laut rech in Nopember, and let them sleep quetly ull the fluwers begna to come out in spring. Io Surziserkad a whaie village clobs togroner, and hures a cold dry rooke which they darken and jut all hembees in.

He find the abore in an exchange paper, and thuil tbe system secommended ail jeast plausiblc. So long as bees remain torpid they do not eat; and to feep them in this stule, the temperaturo of the pluce where they are kinpt moxst be low; it must alen be dry, or the maks of bees and ramb will becorme mouldg. Bees tine in maltitodes by being entioed ont of their hitet in panny daye, befare they are uble to abtain foof, of set back to their hirer.-Ainazy Cuitiontm.

USEFUL REGIPES.
Antade for Poison.-Two tea spoonfulls of mustard mixed 12 warm nater, should be immediately admivistered to the patient. It acte as an instantaneous cmetic. (lhe mustard should probably be ground.)-N. E. Farmer.
To Recire Gilt Frames.-Beat up three, ounces of the whites of egge, wath one ounce of chloride of putash, or soda, and rub over the frame with a soft brush in this mixture. The gilding will immediately become bright and fresh. So it is said.
Oil Paint can be removed by rubbing it with rery pure epirits of turpintue. The inpure spirit leaves a grease spot. Wax can be removed by scraping it off, and then holding a red hot poker near the spot. Spermaceti can be removed by scraping it off; then putting a paper over the spot and applying a warm iron. If this does not answer rub on epirits of wine.

Stains on Varnisted Articles which are caused by hot water, may be remnved by rubbing them with lamp oil and then with alcohol Ink stains can taken out of mahogany, by ore tea spoonful of of of vitrol mixed with one table spocnful of water, or by oxalic acid and water. These must be brushed off quickly, and then washed with milk.
Silk Handkerchiefs and Ribbows can be cleansed by usung french chalk to take out the grease, and then sponging them, on both sides with luke warm fair water. Stufin them with gum Arabic and press them between white paper, with an iron not very hot. A table spoonful of spirits of wine to three quarts of waterimproves it.

## DYES.

Pink Dyes-Buy a saucer of Carmine at the apothecary's. With it you will find directions for its use. It is cheap, easy to use and beautuful. Balun blossoms and liergrmot biossons, with 2 httle cream of tartar in the water, make a pritty pink.

Red Dye-Take half a pound of wheat bran, three ounces of powdered alum, and two gallons of soit water. Boil these in a brass vessel and add an ounce of cream ot tartar, and an ounce of cochineal, tued up together in a bag. Bonl the musture for fifteen minutes, then stran it, and dip the: arucles. Brazil wend set with alum makes another red dye.

Yellow Dye.-Fustic, tumeric powder, caffron. barberry bush, peach leaves, or marigold flowers, make a yellow dye. Set the dye with aluin, puting 2 prece of a suze of 2 hazlenut with each quazt oi water.
Light Blue Dyc, for silks or woviens, is, made with the "blue composition," to be, procured of the hat makers; fifteen drops; to 2 quart of water. Arucles dipped in thrs; must be thoroughly nnsed. For dark blue, boil four ounces of copperas in :wo gallons of water. Dip the arucies in this, and then in a atrong decoction of logwood boued and strained. Then wash them thoroughay in soap suds.
Green Dye-First colour the artucles yellow; and then, if silk or woolen, dip in blue compoaition. Instead of sronmg, rub wath flannel whle drying.

Salmon Colour, is made by boiling annato in soap suds.
Buff Colour, is made by puting one tea cup full of potash, tied in 2 bag, in two galSons of bot (pot boiling) water and adding an ocmee of amatto, ahoo in a bago keeping in
in for half an hour. First, wet the article in strong potash water. Dry and then rinse in eoap suds. Birch bark and alum also makes a buff. Black alder, set with lye makes an orange colour.

Dore and Slate Colours, of all shades are made by bolling, in an aron vessel, a tea cup fill of black tea, with a spopnful of copperas. Didute this unth you get the shade wanted. Furple sugar paper b led and eet whalum, mahes a sinilar Colour. So does black birch bark.

Brown Dye.-Bon half a pound of lamwrod (in a bag) in two gallous of water for fituen minutes, wet the articles and boil them fur a tew manutes in the dye. White walnut bark, the burk of sour sumach or of white maple, set wath alum make a brown culour.

Olive Colotr:-Bonl fustic and yellow oak bark together. The more fustic, the brighter the colour, the more oak bark the darker the shade. Set the light shade with a few drops of oil vitrol and the dark shade with copperas.
Black Dye-LLet one pound of chopped logwood reman all night in one gallon of vinegar. Then boil them, and put in a plece of copperas as large as a hen's egg. Wet the artucles in warm water and fut them in the dye, bouling and stirring them for fifteen minutes Dry them again, wet them in warm water and dip thein again. lepeat the process until they are black enough.

## To the Edtor of The Brbish Amertean Cumbator.

Sir-The enclosed announcement has been handed to me, and has afforded me much gratification. I have long held the same opinions as are there expressed, and am so desirous that the pruposed plan should be carried into effect, that I shall, (and 1 thunk, the whole Agricultural interest will likewise) be obliged by your early insertion of this, in order that those of my brother farmers who think as I do, may have an opportunity of forwarding so destrable an object.

I ant, sir, your obedient servant, AN OLD FARMER.
Home District, May $26 \mathrm{~h}, 1843$.

## FIRE INSURANCE.

Tre sabjest of F re Insureance has huherto met aith but hittle attention on the part of
the Agraculuural populition of this pro-
vince. Uathl these (comurativety) few years, the scanty produce of the scattered clearances, with their humble log houses and banus, sere not of slfficient value to anduce any portion of the narrow ancome obyect beyond the immedtate wants of the Senter, how important soever that object might he. But now the case is widely ditferent. Respectable, hell furmshed houses whitherr spacious larm oifices meet the eyc an every d:rection, the produce of thousands of "eil cuituzted acres ts anausily siored, and. from the measures propossed by the Legislature with regard to the umportation of grana, an encouragement is offered to mereased exer:ton. in the prospect of our becorang, su soule degrec, the Gramary o: Britau.
Under these circumstances, it now becomes wila every one, not only 2 matter ot prudence, but one of duty, to look to the consequences of conflagration and to sucure
his property from loss by accidents from which no one can effectually guard, how careful soever he or his family may be; the merest spark, the smallest particle of ashes aparently extinct, may, in one instant plunge a famuly from a state of affluence and comfort mo the depthy of destitution and misery.
There still exists another cause of Fire Insurance not being more extensively adopted than it is, namely, the high rate of prefium which is unavoidably charged by the present Insurance Offices. By insuring vroperty both in Town and Countrys much greater rosk is incurred than if their operatoons were confined to country situations alone; consequenty, to cover the chance of lose, a lugh pr. mium on each, is absolutely necessary. In consequence of the near proximity of the houses in Towns, when a fire takes place, it is scarcely ever confined to the premises where it commenced, but spreads its ravages around, often to a great extent. Not so in the country; $a$ fire occurring there, cannot seach begond the scene of its attack.
It has therefore been proposed to establish a Counpary in this City, upon Shares of Ten Pounds each, for the purpose of Insuring Country Houses, Offices, and Slock alone; continug its operations to buildings at a certain distance (to be fixed upon) from any other uncounected with those insured.Upon this system, Insurances can be effected at a very triting annual charge. It is conjectured that a premium of 10 s . or 15 s. only, according to circumstances, for every hundred pounds, will be zuffictent, and that few persons will be found willing to ran the risk of loss, when for so small a sum necurity can be obtained.
In order that this Establishment should be based on a sure and suhstantial foundation, it is desirable, before procecding further, to ascertain as far as possible, how it is likely to be supported both as regards Shareholders and Insurers: it will be enteemed a favour therefore, if you will have the goodness to make this communication as public as possible, and transmit, at your earliest convemence, such opinions and melligence upon the subject as you may be able to collect, to Mr. Sivigny, care of Messrs. IStrachan and Cameron, Solitors, 'Toronto.
Toronto, May, 1843.
Tine of Applitige Manures--iJanute produred the greatest effect spread on grass land in the spring, as soon as the field appeared green.
When spread on either grass or plongh land in the fail, and ploughed in, there was a loss of more than three fuurths.

When spread on grass land, durectly after the hay was taken off, in a very dry seacons there was a lose, one half.
When spread on grass land at the same limes un a wet season, there was but hitte loss.
These experiments were made 3 n a dry graselly soli-Calonial Farmer.
When the wash of the kitchen is throwy upon sotien chips or sawdust it makei an exceilent manure for many purposen, bat should not be used for potaloeg, as it elways contans a great number of the small harrlike worm, whicli by eatung the skin from the protatoes makes them what is called "scatiby." A nuxiure of decayed tanner: bard his had the same bad effect upon potatoes. 16 .

In old gardens which abound with wire worms, sow becta as early as priesible. If they are sowed late the wire worms will cut them to picces after they have sprouted, and before they hare reached the grouplo-Ith.


GARDENS.
Most persons who have only a small spot of land pay particular attention to gardens ; but the farmer who has many crosses to attend tomoften too many-generally neglects his garden. But few devotes to much tirse to this aubject as it deserves. Not one farmer in fiva has a good garden with an assortment of vegetables so as to have a good variety early and jate in the season, and a good store for the winter. This is not for want of fand nor team, but tho farmer says it is for want of time. This is no excuse ; for he who can raise potatoes and gram for his family, can rase without any mete expense a great variety of vegetables.

If a family be amply supplied through almost the whole year, as they may be, with choice vegetables from the garden, much less expense will be necessary for other kinds of food, some of which the farmer buys at twice the cost of producing garden vegetable, to say nothing of the pleasure of having a greater variety of food and living on one's own productions. So the farmer should have a good garden whether he consults pleasure or economy. On one fourth of an acre there may frequently be raised in a garden as much in value as on a whole acrein the field, and at less expense. Many an hour may be spent with pleasure in working in the garden when it is not convenient to work in the field. The children will do much in a garden if properly directed and encouraged. The women two will find a Jittle exercise in the garden, uith the light and convenient tools now made for their use,
a source of health and pleasure. It will be a a source of health and pleasure. It will be a
different exercise to that which thoy different exercise to that which they are con-
stantly taking in the house, and this in connection with the open air will improve their health and atrength, and "give to the check a fairer bloom." The farmer will find that if he lays out to have 2 good garden the whole family will cheerfully ard lum, and in w great is the pleasure to break the dull sameneas of toil, by spending an hour in the garden occasionally with oce's family around him, all engaged in ths same pleasant and
profitable labour. Even the lite prontable fabour. Even the little ones that
canaot distunguish 2 plant from a weed, will afford pleasure in their desire to jom the rest in the ir pleasant labours, and with the advantages of directing thear tender minds to dis-

We will give 2 few directions by whichs. garden may be managed with less than half the expense that they usually require. the first place we would observe that according to prepent management, it irequently becomes neceasary to dig up a garden with a spade, carry on the manure with a wheel.
barrow, or some alower process, which is done by manual labour, which might be done to better advantage with anmal jabour.

A good spot should be selected for 2 garden, and if convenient it should include 2 vatiety of soil, some parts rather mulst,
othera dry, but this is not always concenient, and a woil may be easily improved, whether too wet or too dry. If it be 100 wet it should be thrown ap and well deained. We have made an excellent gardea spot from a inud holr, jost by throwing into high beds, so that "he water would drain off. If a soll be to jum and dry, clay or mud may be added

A garden ehould be laid out in such a manner that it can all be ploughed conveniently, excepting a narrow sirup on one side, where thero should be currant and gooseberry bushes, and oher shrubbery, and next to them should be sarious bremual and perennia! plants, such as herbs, fowers, \&e., all arranged clusely on one side next to the bushes and shrubbery, then all the rest can be cunveniently ploughed, and it should be so arranged that a team may pass through the centre, if not 11 other paris with manure. This plan will save more than hali the Jabour, by managing in the fulluwing manner.
Select now a suitable spot and if any part of is in grass plongh it up and plant it that it may be in a suitible condition for a garden. A substantial fonce around a garden is absolutely necessary, and there slould be a gate or bars at each end, if it he so situated that a team pass through, as this will save tite dieadrantage of turning tine team in the garden which will be injurious in treading down the soil and as much mom is required for this purpose it is frequently attended with inconvenience. Where there is a passage through the garden, it is more convenient in ploughing, and a passage in the centre may be used till late in liauling on manure if necessary, and then ploughed and planted in cucumbers for pickles, cabbages, and other late crops.

To manage a garden with economy as to labour, it should be manured in the fall and ploughed decply; subsoll ploughing will be beneficial; if a farmer lias not a subsol! plough, vere will be an advantage in trench ploughing. This is necessary in order to loosen the soil to a great depth, which greatly promoies the growth of nost garden vegetables, and is a protection agamst drought.

By applying manure it the fall it becomes thorouglily nuxed with the soil, and parially decomposed and more fine and mellow, and ploughing exposes the soil to the frost which destroys insects and improves its condition for tender plants. If manure cannot be applied and the ploughing done in the fall, it should be done as early as possible in the spring, that the seeds in the coil and manure may vegetate and be destroyed before the main crops are planted.

Early in the spring on rine side of alie garden should be ploughed and prepared for early vegetables. The other parts should he ploughed again, harrowed or worked with the cultivator as soon as the weeds start, in order to destroy them, and as other sceds, after the early varicties and kinds that require early planting, come on in succession, a narrow sirip may be ploughed on one side and planted; and as the weeds start up in the part not yet planted, it should be worked over again, and so proceed till the time of planting. In this way the land will be worked over several limes before sow,ng which will destroy the reeds, $2 n d$ as it is done hy animal labour it costs a more trille, and the soil is unproved enough by this.frequent necessary for garden plamis, to pay the whole expense. Proceed in planting every thing in its proper time, in strips on each side, approaching the centre, which may be left open to the last as a therourhiare. By this plan every part of the garden is conveniently poughed or atirred just before sowing. which is important tu success, and the weeds are destrojed before the plants are on the ground ; and if the seed be coaked before sowing, so as to start them quick'y :he plants will be up beiore the fow weeds which will afterwards start make their appearance. In this way the weeding is done before planting, and by anmallabour too, which will sape more than half the tabour urally expended on gardent, and it will emure an abundant crop.

No weeds should be allowed to go 10 seed in the garden, and the manure applied ahould be frce as possible from grass and weed secids. Let a farmer pursue this general plan and he will no longer say that he has no tanc to attend to a garden, but he will find that it will not only be the inost pleasant and beautiful spot, but he most protitab'e of any on his farm. lly managrag as we havo nained, in applyng the manure carly, and sturring the soil to render it mellow and destray the seeds, and starting seeds by sprouting, we have so prepared iso suil and destroyed the seeds inat we could weed a larger piece before , brealifast, than we could in a whole day by the common methed of cultivation. Farmere, try this mode. Some of you can lay out gardens on this plan now. others call prepare the soil and complete the plan in the fall.- Boston Cuttirator.

## CUTFRED.

Mr. Edilnr.-As much is said, and I think truly said, in favour of cutting fecd for fat cattle, I wish to ask you oue question viz:-Will one ion of English hay by being cut. keep a cow longer than the same quantity will without beng cut?

By giving your mind spon the subject, sir; you will oblige. A Subscaisza.
Brookfield, April 5th, 1843.
Remarks br the Editor.-There are many advantages in cutting fodder, as in this way much that is coarse, and would otherwise be wasted, will be eaten up clean when cut and sprinkled with ealt water and mixed with meal or bran; or mixed with roots, chopped fine. In this way stock will eat much fodder that contains a good share of nutriment which they would refuge with. out this preparation.
Some old anmals which cannot thoroughly masticate hard fodder, are greatly benefitted by having their food so prepared that they can eat it with comfort and digent it, In hot weather when inorses are too thirsis to eat dry food, and too hot to drink, they inay eately cal prepared food, and thus reliere their thirst and satisfy their hunger
But will joang animals, or any othery Which can thoroughly masticate their food, and nave a plenty of tire to do jt , be bene. fitted by cutting such fodder they would eat up claan without this preparation? Or will sach jodder last any longer thas prepared? This question in substance is the same as that of our correspondent. We answer that it is a doulatful question, which has not been accarately decided by experimente, and which is rather difficult to determineSume have thought that there wes an adrantage in cutting fodder for an animal in full vigor a ad strength and haring nothing to do bui cit. But they formed their opinions from obscrvation, not by precie experimentr; and it is difficult to make exact experimeats on this sulject, 80 as to draw a correct conclusion from the result. We are infurmed by a nice observer who keeps a number od horse3, that he can perceive a difercice in The condition of his animals, on the amme food, when he cuts the hay. Sometime he has cut the fodder ene month, then fed month withoat cutting. He thinks that besides the advantage of mixing meal, grain, Scc. With locder, as animals eat it, that good hay alone is worth more than enough by bing cut to pay the expense of this process. He thunke thas cut food is more thoroughly chewad and oi sourse beiter digented, It is not zaken upso rcadily, for swallowed down 80 varaciougly $2 s$ wholte. We think that the bent of hay whil spend boiter and bo noore beneficsal to ansmals when cut of a mutable length say two inchef, thowich they reay have a plenty of time to eat and reet- if.

MILKING COWS.
Tho owners of cows should pay particu. las artention to milking Chidren must not be trusted with this bueiness, and the re are many grown people who he ver milk well though they have been brought up to the business.
If you would obtain ill the milk from the cow. you must trest her with the utmost gentleness; shic must not stand treubling under your blows nor under your thr:ats. She may at times need a litte chastisement, but at such times you need not expect all her milk:
Smin after the bag has been brushed by your hand and the ends of teats have been moistened a little with milk, it flows in rapidy, and all the vains or durts near the teats are completely filled. Then it must be drawn out iminediately or jou will not get the whole. Yua must not sit and talk -you must not delay one monent if you would have all the cow is then ready to yield.
The udder should be moved in every direction at the close of milking, ard the hands may beat it a little in imitation of the beating which the calf gives it when he is sucking: An expert milker will make the cow give one quarter more in butter, than a majority of grown milkers will.

One season, at Farminglam, we kept four cours in the home lot; there was but little difference in the quantity of milk given by each. We had a zery slecady hired man of forty ye ars of age; he had carried on a farm in New-Hampshire and always been used to milking; but he was so slow the cows hat ro patience w th him.
We milked two of the cows and he the other two, and we were but little more than half as long as he m milking, though we got the largest mess by about one quart, On our remonstrating that he did not draw out all the milk, he said his cows would not gield so much as those milked by us. We then made an exchange: he milkied our two and we milked his. In three weeks tine, the case was reversed; our uness exceeding his by nearly one quart. He never falled to strip his cows to the last drop; but his antolerable moder, ution prevented his obtaining yhat an active milker would have done.
Young learners may practiceon cows that are to tee soon dried off. They should be taught al frst how to take hold of teats and they will remember it; but how common it is to let each child choose his own mode of milking! Learners should bnow that the hand chould be kept very near the extremity of the teat, if they would milk with ease. The left arm shoul: always press gently ayainst the leg of the cow; for if she is inclined to kick, she cannot with any force; she cannot striks an object that leans against her; but if she lifts up her foot, as she often will when her teats are sore, the milker will be ready toward off and keep it from the pail much better than when he sits far off from the cour.
If heifers are made tame and gentle by frequent handing when they are foung, they are not apt to hick the malker; their udders should be rubbed gently before calving; it is quite as grateful to them as carding. But if they are suffered to run wild till after they hate calved, they cannot be expected to be gentle when you first attempt to milk the:il: They or'en acquire bad habits and are not broken of them urrough life. Mass. Ploughmar.
Woomds and Brases on Horses.-Take one quaiter of a pound of salsperre, half a pint of vinegar, half pint of spirits of tur. pentine; put them together in a bottle, and shake up before useing. Apply it to the mound with a feather, three times a day

Press for Working over Butter-Smuoth as perfectly as possible a piece of hapd "ood plank, 18 mehes wide and 24 long. On botha adea and end, natl preces of hoarde, rising one ach above surface. Near the open end screw in a small ring. bolt, or what is better, three; one at each corner and one in the centre. Let the ring on the bolt be oun inch in diameter. Make a brako 3.5 unches long, 9 inclese of which is for the handle. Let it be $3 \frac{1}{2}$ inches wide, $1 \frac{1}{2}$ thack; one edye made sharp, and he other rounded. On the end to go next the eye bolte, put a ring, and in the centre screw a bolt with a head, which will jun slip through the eye of eather of the ring-bolts. The bults should be screwed into piank, so that when the trahe ds attached, its edges will
to the surface the whole length.
Need I say nore? The rest is plain.-. Give the cnd nest you a olight elevation; and by using the brake as a braker dues hus, and by changiag as uecasion requires, all the milk may be worked from butter with a trifling labour,
A marlle slab would be preferable, as the butter wuid stick loss to the surface. A small wooden shovel three mehes square, with the ledges perfectly straught, shoud be at hand to kecp all in place.

Jajics Bates.
Destructios of Moles.-The fullowing recipes fur destroying inulos, we extrach from an English work Ly Charles Fothergill, of Salisbury, Etigland.

1. Make a paste with powdered hellebore roots, wheat flour, and ground glass ; place it near their holes to eat, and you will soon destroy them.
2 Nitake a mixture of brimstone, rosin and turnentine, put them mto a horn with a narrow neck, lirst enveloping the same in tar; set fire to the tow thus prepared; then inscrt the mouth of the hurn mon the burrow of the mole, and he will soun be suffocated to death.

## Fram the Bastish IVhug.

To mare Lapour-saving Soap.-Two gallons of soft water, 1 lb . of salsoda, 2 lbs . hard soap, $40 z$ rosin, ground fine; 2 oz extract of lime. Be il all till dissolved, and stram $h$, and it is fit for use.
To make one barrel of Soap in two.One barrel soft water, 1 barrel of soap, 4 Jos of salsoda, 1 lb . of rosin, $\frac{1}{2}$ a lb . of extract of lime. Roil all together until dissolved, and strain it.
To yakfone Barrej. of Soft suap bard. -Four lbs. salsoda, 1 lb . of rosin, 6 oz ex. tract of hime Boil all together until dissolved, then stram and cool 1t, and it is fit for use.
A Paxssite Podonsg.--Boil two good pansnips, squecze out the water, mash then, add the yolks of swo cgrs, a slice ot a penny loaf stecped ua spoonful of cream, a litle neakoning (mahe a either sweet or savorry, according to raste; brat all ingether, line your dish with paste, and bake is in a maderste oven. Many orher ingt. dinnse nasy be put in, sneh ns ham or wongue.Magexine of Domeatic Economy.

Lnefor Froit Trees_The suggestions below as to the use of Jime around frut trees, are worthy of attention. In the autumn of 1841, we lad bare the roots of a number of unthrifty apple and peach trees, and left them exposed during the vimter, returned the dirt in the spring, and applied to the roots of each tree about halif a bushel of gas lime. Last year che troes seemed gently improved, and the peara bore more than three times as rauch as they did the two previous years ; the limbe had to be two previous years ; the jumbed had to be
propped up, and the fritit scomed

We treated some old genuine trees ir, a similar mamer, and the mfluence was obviously beneficial. Ashes are a good substitute for lime, and ordmary hune would probably do as well as the gas line. Expoeng the roota of trees occasionally during wimter, it is well known, is very beneficial.-Delevare Farmer.

- Plaster for Pacms-Mr. Samuel Marwin, nf Milford, informed us of a fact the other day, whel we agrec with hum in consudermg important for those who would raise grod fruit. Mr. Morwin had several plum trees of chome varieties, whech were annualIy corered with a profusion of beautiful blossoms, giving promise of abundance of fruit; hut thas pronsio was never realized. The blossoms were but false colours, hung out to deceive and disappoint the linpes of the proprietor. Aslies, lime, and various other eaticles were applied to no purpose, and he was finally about to cut down the trees 28 "cumbercrs of the ground." At last, a friend eugressed that an application of plaster of Paryizmight have the desired effect, and he was introduced to try it. On several successive morninge, whic the leaves and blossums were yet moist with dew, finely puiverized plaster was thrown into the air above the :zee, so as to give the whole top a thorough powdering. The consequence was that the trees, in their proper season, were lcaded with a bountitul supply of
piams of the very best quality. This is a sumple process, and in the case of our friend Nerwin the labour was abundantly renumeraled. Try it, farmers and gardeners, and let us knuw the resulh-New flaven Farmer's Gazelle.
Axemicar Roce Salt.- A specimen of Rock Sult, laken from a new mine recenily discovered mingma, has been tefit at our office by Mr. Furrest surppers. We are minformed by Mr. S. that thas is the first mane of Rook Sall ever tound in Niorih Amenca, diat the salt ts of exceliens quality, and the mine of of geat extent; and that from its position in :he interior of the slate of Virginia, it cannul fail to be of greai value, as furnishing to the population of a large extent of country an ubundsit and cheap rupply of an anticle so neceseary to the sustentation of amail hfo.-1b.
Imfalinale Cure foe 1 Folspfrko Horse-If your hareo founders over night. in the morning take pint of hop's Lard, put in a ressel and make it boilng hot clean his hoofs well, ser his teot in the lard. Hear it for each frot. boiling hot; take a ppoun and pat the fal over the hoof as near the hair as possible, and will be fit for use in three hours it it is done cariy in the mom. ing. It is betler to remove the horace's shoeen, but I have made several cures without. I have tricd this on many horaes during a period of fifty ycars, nnd lave never knowil it to fail-Louis. ville Journal.
Shet.-I will give your readers some account of the benefit of salt, as it is becoming an important artcle among tarmers. I observed two scars agu in the cown of Stow, an acto of Jand set with frut trees of difterent kinds, and I rook nutice that one half of the irees were one thind larger than the wihers; and I alos ubierved that whero the trees wcrolargest the land was moist while the other part was dry. That half of the acre that was moist, and on which the trecs wers larges!, was sown over with iwo and a half bushels of sall four years before; the other part was dressec' whth two cords of manare. The part manured wath satt appesred as shoogh there had just been a shower upon it; whic the otber part was dry and dasty. On the part to which salt was appliod, the trees were amooth \& thinfiy; on the other parts, the trees were rough and back. ward. Salt is good to destroy inmects that are injunons to frult. By mixing it with peat med ard laying it around frait rreop, enrly in the spring, it will deatroy the insects that eften injiay Gulveater.


## Plan of Cow Fouse and Stalls for Feeding Bullocks, \&c. \&c.



## SCALEOFTEN FEETTOONEINCH.

To the Eltor of The Britab Amerian Cultivitor
Sis, Humatan March 20th, 1843.
Many circumstances have lately occurred to induce the thinking portion of the agricultaral population of Canada West, to expect that henceforth great quantities of beef, pork, and dairy produce will be exported from Canada to the British market, and many remarks on the best mode of curing meat and preserving butter have been published; but I have, as jet, seen little on the subject of atall-feeding catile, or of managing a dairy in a profitable manner, or on the erection of buildinge adapted to such purposes; at the same time, I am not so conceited all to suppone that any remarke of mine will be of moch benefit to the farming cormunity, further than so far as they may bo the mexan of inducing some more able correapondent to take up the subject. With this y:ew I now exclove you a plan of 2 con-house for twenty cows, an ox house in which to feed ton bullocken and culf-pens, acc, ticy to arranged that a large mock will requig the alloation of enly exo mand

Say- 1 Bull,
20 Cows,
10 Bullocks,
10 Heifers.
Having serious intentions of erecting buildings for the above purpose. I trust some of your correspondents will carcfully exanine my plan, and state the outlay which will be required, as well as propose such alterations as will tend, in their opinion to the better aecommodation of cattle, and to graiter ecoizmy in their atendance.
$1 \mathrm{am}, \mathrm{sir}$,
Your well-wisher,
B. A.

## TEIE GARDEN.

The kitchen garden is the portion of the farm that many farmers are prone to neglect mout of all, and yet it is the part which when woll tended, contributes more so the corafort apd healich of the family. and as much to econony in living es any other apot of land of the sexue fixe on the farm. Good yegetabies are agrecebte wo the pm. late, and heolibfal in the warm meseon. An abundant supply of theoe, lesmass the deare to purchace from meath and nioo diminimbers the

But, say the farmer, things nevor grow well in my garden, thoug' it has been macured yeny afier year, all niy days, and is rich enoust, yai I never get anything from it that half paye it cost. Worme will spon potatoes and cabbecen, and almost every thang else. This is strue in many instarices. But salt tpread brond_cast in the spring upon the garden, at the rute of ten or twelve bushele to the acre, will do much to dostroy the worms; and sand or andy -wach frow the road-side, if plentifully applied, will grensy enrich this soil. The manuree you have boent applying year afier year, have caured the refor table matters there to bear an umiue proportion to the sandy matters. Salt and sand for thete sois which have been long culivated, will be Writh more than applications of common manures. If it be not convenient so cart mand, then, at your convenience, take the apade and trench your garden deep; briage up fuas or, tive inches of the mubsoul, and mix it in with the eoil. This will be of great and laction benofie. Were you do this, yon may get good potitoen, froo frem wermes Thowe who are within rench of the we-shore, will find the bench sand the heat of all spplications to their long-nitiad gar. dens. Thie will farmish both the silice and the talt-t the bones to the pienta, and the doeiteras. to th youmbint Engioni Parmi.

The annexed Petition, is now going tho rounds of the IInmo district for signatures, and we have no doubt will be numerously nnd respectably signed by every class of the community, it would have been much better, it the pettion had been drawn up in a more comprehensivn and less amhguous stvlo, however, sofaf as thin may be concerned and the difficultics which the $P_{\text {till }}$. burgh currespondent alludes to, they may be obviated by drawing upa new ohe which may be wached to the petutiont colleclively, as soon as the returns have been mado-to Willinm Atkinson, Esq., Treasurer, of the II. D. A. Suciety. We feel a deep interest in this matter and shall use our influence in having "t worded in a atrong, yet courteous manner. Every man in the District ahould efgn-it, and if she whole counary should jum in the request, the result will be that all they nok will te granted at the forthcoming acssion of Parliament.

Tothe Honourable the Legislative Assemb!y, in Perliament assembled.
the fritition of the freeholvers and INHADHTANT HOUSEHOLDEHS OF THE HOME DISTRICT.
Humbly Shewoth:-That your Petitioners are, with a few exceptiuns, wholly dependant for thisir support upon therr avocation as Agriculturiste, in which they have generally embarked all their Capital.

That the present low prices of Agricultural produce are rumous, and destructive of their present prosperity and future hopes.

Your Petitioners would humbly present it as their opinion, that the depression m the price of many descripitıons of their produce, is owing to the free and unrcstricted admission of such articles from the United States, this couclusion is warranted by the fact of many articles of Agricultural produce being now sold in our Markets at an extreme liw price, (much below the cost of production to the Canadian Farmer, at a time when the season and the state the crops-have been such as to materially in creased the cost of the articles.

Your Petitioners feel no desire to effect any measure that would interfere with or prove detrimental to the interests of Trade or Commerce, noi wish to meddle with any restrictions on such articles of Agricultural produce or merchandize as are mitroduced for the purpose of being exported to Europe or elsewhere, as they are convinced of the general benefits resulting to the Country generally from sucha Trade. But there are many articles of Agricultural produce which will not pay the cost of exportation. and which are thrown into our Markets, being brought from the United, States to the exclusion of our awn productions-withdrawing Capital from the Country (as it is Specie only that is taken in exchange, and proving injarious to our mierests generally. Your Yetitioners would also reprecent that the bencfits enjojed by the Unjted States Farmer, by having our Marbets open to him, are not reciprocated, but, on the contrary, all our articles of Agricultural production, when taken to their Markete, are subject to a high rate of Duty.
'Your Petitionerf, therefore, humbly pray thai your Honourable House will be pleased to infpose surh Duties on Foreign Barley, Oats, Peas, Live Stock, Fresh and Salted Meat, Butter, Cheese, Lard, '「allow, and Hides, as will afford the Canadsan Farmer a fair protection and encouragement fur the production of those artucles.

And your Peltioners, 2s.in duty baund. will ever pray.

To eur Patmrs

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Farning-Good Advice-Apple Treo Insects
Materna! Qualtues of Charcual-How to Mako.Goud Cuffec. $\qquad$ . .67
Encouraging Prospecis. . ..............................
Hume District Pluughing Match..Caule Stiow 69
Planis-Diffirent Varicnca of-Piunang Frut Trees ...........................: Tree--Change of Crops-Caro of Tools-Secd Wheat
Roard ul Apriculturo.
Plaming Pathtoes-Acknowledgemient -The Treasher, Grops, \&c..
Rearing of Chickens-LLime ill Agricul. ture-Tomatoeg-for Lowg-Spaying -Tu Hunst wives ....t...................
ources of Happincss-To wash Woulon Gouds-Lice in.Caule-Pull Evil...
Useful Receipts-Dyes-To Young La. dies-Agriculinral Clubsm-Cleamng Cellars.
... 73
$-. .74$
34

Gardens-Cut Feed -.
Milking Cows -Press for WVorking Bulter -Destruction fur Mules-TO make Labour Sating Soap-Lime forFruat Trecs-Plaster for Plums-SiltAgother Cure Jor a Foundered Horse. Plan of Cow House nad Stalla fur Feeding Bullocks-The Garden.
Pecituon to the Legislative Assembity................. 80

## IURUNTG -HARAERS: -

For the Month ending 3lyt May, 1843.


ARD OIL.-A large Quantity of this economical and useful Article is for Sale at E. BELL'S Soap and Candie Manufactory, No. 47, Yonge-streer. Ths Oll is of Canadian manutacture, warranted to yield a clearer light than Sperm, a d withouc any swell or smoke.
07 Perâons calling at 47 Yonge-street, can see the Oil lurning; Lard Oll is also excellent for Machinery, and thercfore well worthy the notice of Steamboat Proprictors and others.
E. BELL.

Toronto, 134h May, 1843.
$5.2 i$
PURE-BRED improved Short-Horn, or DCRHAN BULL ${ }^{2}$ and a Pure-fred BERKSHIRE BOAR for Salc.
of For Pedigree of Bull, and particilars of both, apply at the Post Office, DUNDAS, Canada West.

Dundas, May, 1843.
CASH PALD FOR BEEES WAX AND WATER RET'TED FLAX AND
HEMP. The Subscriber begs to acquamt the Canatian farmer, that he is prepared to pay CASII for any guantiry of the atove articles.
W. SMITH,

Candio Manufaciurer, 45, King-Etreet.
ronto, June $\mathbf{S r d}_{2} 1843$.
A

## T. B. BISHOP.

 VETRINARY SURGEON, 'No. 10, King-stmest, Tononta, Opposite the British North American Bank, BESPECTFULLY informs the Ithabitants of this City and Vicinity, that he is ready to attend to any branch of his Profession, and hoper, by indefatugable attention to businese, to sblain a sharo of their Patronage. F. B. B. having liad several Yeara' experience in his late Majesty's Household Cavalry, added to Nine Years' practice in this Country , is enabled to pledge himsolf to the Cure of the following Diseares:-Chronic and Acule Founders, Fibiulas. Pole-Evil, all complaints of the Eye, such as Ophthatmia, Catzracis. Muon Blindnes, \&e., \&c. ; Sand Cracks, 'Thrushes, Narrov Heels, False Quarters, Cuntracted Feet, Chronic Lamenesa, Back Tendon and Sinew Spraine, Quttors, Curbe, Spavina, Stde Hones, Ring-Bonef, Shook Shoulders, Bhck Chinked, br Fracture of the Back, \&c, all kinds of Cholice and Irflammatione, Chronic Cough, Ring-Bones and Bone-Spayine taken. Níure no Pay.
T. B. 1-alsakeapson hand Embrocations for Spraìns, Braises, Cuts, and Green Wounds, also the celelirated black Oid Toranti, 18 :h May, 1843.
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DRILLING SIACHINE
The annequed is a cor. sect drawing of a Drilling Machine manufactured by Messrs. ỉobinson \& Whllace, of the village of Yorkville, one milentiorth of this city, and may be attached to any plough ; the price of which. is on'y El 15s. It can be so arranged on the plongh that the seed may be deposited in the furrow between the plough handles, on the crown of the furrow, or on its centre. This Machine presents many advantages, such as depositing the seed a good if $\rightarrow$. depth, and distributing an equal quantity in the ground, and also in giviag the planer a unform appearance; in addition to the above, the plants, by being in rows, will admit of the rays of the sun, and a frec circulation of air, which will tend to prevent the straw from growing too gross, and leesen the probability of mildew to the planis. Grein of any descripion may be sown with this Mira chine at any desired aldantity per acre.

## DURHAM BULL.

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For Pedigree and particulars apply to JOHN WETENHALI!! Nelson, Gore Dintrict.
April, 1843.
PUBLISHED MONTHLY.

## W. G. EDMUNDSON,

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