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## gegritullure, fit.

## TRIAL OF MOWING MACHINES.

As many of the Mowing and Reaping machines mentio ed brlom bave been or may soon be introaluced into Catuada we cops the folluwiug accouat of a trial of their qualities from the Rochester Rural Now Yrker. We have this year tried Manay's Machine, which touk the second prize, and alse the Eurbuh machine. Buth did excrllent work, but we give the prefertnce on account of its adjustible arrangement to Manny's. The one used by us was made in Cauada by Messıs Massey \& Co., Newcastle:

In accord nce with previous anoouncement, a tri:] of Howin: viachiaes was had, June 27 t , ou the faum of Judge Buel. near this city, under the duce tion of the Monroe C . Ag Sosicty. The weather was farurable aud there was a very large stlendance of fas mers and others-almost every county in Western ew Youk beins represeuted We aloo uot ced sev.ral tarwers from Oswego, Jefferson and other dist at sections of the State. Eight machiue- of six diderent patenis, were entered in the following ordec:

1 Burrall's combined Mower and Reaper, by 0. A. Swau, of Geueva.
2. Ketchum's Mower, by J. P Ross, Ogden.
3. Manny's combined Mower and Reaper, with Wuod's impruvemeat, by J. C. Ceoper, Addus, Jeffersou Co.
4. "anny's Mower, with Wood's improvement, by Mr Blacsmer, Whealand.

5 Wheeter's combined Mower and Reaper, by Shoulds \& Mosher, Polar Kidge, New Yonk.
6. Ketchum's combined Mower and Reaper, by J. Kupalje \& Co, Rochester.

7 Forbusb's combiued Reaper and Mower, by E. D. Halluck, Kochester.
S. Russell's Mower, by R. H. Pease, Albany.

Though the ground was uneven, and grass lipht, seretal of the machines did good voik. K. tchum':, sad Manuy's with Wuod's improvement, probably at-
tracted the mostattention and comme datiou from spectaturs, though Forbu-h's, Burral's and Wheeler's maclane cut well and had many admirers. The coutest excited great interest from the large concourse plesent aud it was evideat that the "com$m$ ittee of the whole," were divided in opiuion as to the merits of the rispective macuines. Each of the five machints abuve named, in particular, had its admir res amung the plactical mea un the ground-and every man could give a reawon for his preference. Russel's machin- was not, apparently, ia proper order to work on rough, uaevea ground. a large number of in ichiues, of different pateats. were urdered during and at the close of the trial. and bufore the decision of the Committee was ansounced. Indeed, we bave litule doubt that, uuder favora , le auspicis with snouth ground and good gras-nearly, if not all, the machines exhibited would do fair work.

## REFORT OF TUE COMMITTEE.

The trial of Mowing M, Mines, under the direction of the Monroe County Agricu tural Dociety, took place ou the farm of Judge Buel near this city, on the 27 th inst. The occasion caled out a very large collection of farmers, manufacturers, and others who were curious to wituess the sceue of strite between the various parties from different pats of the state, who appeared on the ground to test the merits of their several wachines. The Committee appoi,ted to judre of the merits of the work done, found it Viry difficult t. ariive at just couolusions as to the work priformed, and the werit due to the dafferent machiues on trial, each probably poseessing some adFantages pecu iar to itself, and wia'ever decision the Comu': tee have arrived at, the great and important qurstivn is dee ded by the intehigent farmers who witnessed the coutest.

There wire ei. bt machines entered for competition The tiend was bad tor workiug them, the surface very u even and stony, and the giass thiu and light. The work performed was not a fair test of the value of mowidg macbines. get, with some exceptions, the wort way satistactory, aud proved the great value of the mmeuse lavor saviug iuvention.

The Committee were united in the opinion that the Ketchum cachiae, and the hawny with Wool's improve ment, were the bist on the grou d ; but were divided in opiaion as to which of these two was the
best, but a majoity finally dicided in faror of the former, beli, vieg that that machine cut the clocest io th. ground, while the latter was the casest for the tani and for adjustment orer uneven aud stony gur facer.

The first promium the Commitice awarded to Ketchumis nachin. ard the recond premium to Manay's machine, with Wood's improve ment.

The (cmmit're bed not the time to examine miDutely the mechanical coustruction of the different ber chanem, or their habitity 10 eet out of onder, both impretant points upun which the Comnittec expresscd no opinion.
Ketchum's machine was entered by James P. Ross, of Ogden, and cost $\$ 110$ and another by John Mapslj. \& Co, a combincd Reaper ald Mower, costing $\$ 125$.

The Manny machine with Wood's improrement. entered by Mir. Blackmer. of Whatland, cost $\$ 110$ The same machine with reaper combined, entered by J. C. Cooper cost $\$ 125$.

The thad premium is awarded to Wheeler's machine, of Cayuga Co. costing $\$ 125$. This machiue cut wilh sheats and perfurmed goud work, haring an cdjustaite beam, and so arrauged as to have ittie or uo side draugòt,

Forbush's mechine, entertd by E. D. Hallock, of Rochester, is a combined Reap $r$ and Mower, and cut if ally well ; did not leave the grass evenly sprad. This machine cost $\$ 110$, aud with the reaper $\$ 130$.

The oiber machines upon the ground were most of them so 1 early alibe in the chatacter of the work done, that ang funther diserimination or erpression of opiniou of tueir respective merits is perbaps nucalledfir.

> F. P. Root, Bexj. SMMTH, James Waring, Wimham Brown, Alex. Kersex, Conmitlec.
Rochester, June 27, 1855.

THE AFFRGAGEING PROVINCIAL EXIIBITION.
The readers of this Journsl are doubtless already avare that the next $\epsilon$ xtibition of the Provincial $\Lambda$ ssoci.tion will be held at Cobourg, Oetober 9, 10, 11 and 12. A convenicut and beautiful site has been selected for holding the Fair, (the same as on a former occasion) and every thing at present geems to indicate a successful risult. The contrast for fencing erecting buildings \&c., $\mathrm{h} \cdot \mathrm{s}$ bcen taken and prepara. i no co , menced. Ars efficiect Local Committee thas for some time been actively engaged in the imp rtant wrork of pre paration. The following are the names of the Soumi tee of Cobourg. Sherif Ruttan, Chairman; Asa A. Burnbam, Treasurer; Henry Joue Ruttan, Secretary; Sir Edward Poore, Bart, John Wade, D. E. Buuitoa, Alex Alcorn, G. E. Castle, Tho, E re, Walter Riddell, R. Wade, Junr., C. H. Morgad, O. W. Powell, P. R. Wright, F. Burrell, W. Weller. We call the attention of our readers to the following

RULES AKD REGULATIONE.

1. The payment of 5 s and upwards conslitutes os nereon a mo mber of the Agriculiual Associa wom of Upper Canad for ole riar; and fe los ior life, when given for that specific ulject, and but as a contribution to the local tunds.
2. No one but a member will benllowid to cempete for pizes except in classes $30,32,34$ and 35.
3. All Eutres must be made on 1 rintid forms, whict may be obtained of the Secretation of Arricultural Societins, fite of charge There forms are to be filld d upand s'gned by the exhihitor, et cesing a duilar for membership, aud sent to the Sucretaty of the As-ociation. Bomd of Aspentiare, Turont", on or b-tore -aturday $S$ pt $22 n d$, atter which t me a charge of 5 s will he importd on erols article.

Exhibitors in the Horticultural and Ladios De parsment may piter ariches un to in sday Ey hing, Oct 9 h , wheu the Buoks will be fiually clused.
Blond Hoises and Thorough-bred Catlle mast be entered and bave their full Pedipre propurly attected and sent to the Serretary in Tomonto, wot later than saturday. Sept. 22ed No aminuls will be allowrid to compete as pure breed, unless they fositse regu'ar Stud and Herd Book pedigrees. or satisfactory evider ce be produced that they are directly deseended from such stuck.
4. Badges from the Treasurer's Offee will be furnished each memter, which will admit himselt ou y, free to er ry department of the Exhibition, durias the stow. Life members admitted free.
5. Tickets of a mi-sion to those who are not membets, 7 hd tach time of admission Carranes, inc uding drivers, 5s; passengers to pay 7id each. Hursemen to pay is $3 d$ cach admission.
6 Every article extibi ed for e mpetition must be the growth, produce. or manufacture of Canada, except $C$ ases 34 aud $3 \overline{0}$. Live Sto $k$ for lreediag must be the property of persons residiug in $\mathrm{C}_{\text {nnads }}$. All premiums for aticler, exeept Stock, are to be awarded to the manufacturers or producirs only.
7. Discr:tionary Premiums will be avarded for such artucles as may be considered worthy by the Juiges, alchough not enums rated in the $L$ st, and the Directors will determine the amount of premiam.
8. In the absence of competition in any of the C'ases, or if the Strek or articles exbibited be of inferior quality, the Judges will $\in \mathbf{x} \cdot \mathrm{rcise}$ their discretion as to the value of the prewiums they recummend.
2. The Judges, Competitors, and Officers of the A sociation only will $b$-permitted to eut $r$ the Show Grounds until 12 o'clock, on Wedursday Oct. $10 h_{\text {, }}$ at which hour Members, will be admitted. Nou-members will be admitted on Thursday and Friday morniogs after 9 o'clock.
10. No Artieles or Stock exbibited will be allowed to be rimoved from the grounds, ti.l the awards are made. without the permission of the President. under the penalty of losing the premiums. An Auctioneer will be on the spot after the premiamsare annuanced and every fachlity afforded for the transaction of mnsiness.
11. Delegates, Judges and Members of the Preas, are requested and expected to rupurt themselves as the Secretary's Office immediately on their arrival.
12. The Judges are to meet at the Secretary's office on the Grounds on Wednesday morning, at 9
o'clock precis if, to makr arrangements for entening immed ately upoa their duties.
13. Arrangenents will be made for Agrirul'ural Lec'ures or Discassions duing the evenings of Wedneslay and Thursday ou the Show week.
14. While the Directors will take every possible premation under the circumstances, to ensure the ga'rety of articlos seat to the exhibition, yet they wish it to be di-tanctly undersood that the owners of the artiet-s must themetves talse the risk of exhibiting th•m ; and that should auy article be accidentalig injured lout or stoen, the Di ectors wil give all the u-iotance in their power towards the recovery of the same, but will not muke any payment for the vaine thereof.
15. The Trensurer will be prepared to commence piy ng the premiums iamediste ly after the suce-ssful eompetiturs have heen declared, and parties who s'all $^{\prime}$ have prizes award d them are particularly re ques'ed to apply for them before leaviag Cobourg, or lenve a writted order with some prrson to receive th-m, statiog the articles far whieh prizes are claimcd.

The Lucal Committee will make arrangements witu Sth amboat and hailway proprictors for carring the prodges at redued rates; also with the liotel atel Burditur house Keepers, for accommodating vi-iturn at their ordinary fixed charges. Full particulars wi.l be pubished herealter in Show Bills.

## Shost Horn Stock in the County of Wellington.

We gladly iustrt the subjoined extract from a rect nt membr of the Guelph Herald. That country has hed from the first a goodly number of intelligrnt num entep prising settlers from the motber country. We siall alwatys remember with pleasure attending a - Furmer"s Dinner at Guelph, a few gears sitce, when we were s ruck with the appearance and spitit of the company, so characteristically British. We could imagiue ourselves again in merric England, and bless d our stars that we were in a country so marrellusily lke it. At that time it wuuld have been prepos.erous to hare mooted even the prubability of Guelph beiog a place for holding our great!Provincial Exbibition, as it could be reached only by otdinary rouds. But how soon do railways change the state of things! We are quite sure that whenever the Association may decide on holding the annaal Show in Gutlph, the merchants and inhabitants of that town, and the farmers and mechanics of the County of Welington and adjoining districts, will nobly sustain it.
The County of Wellington has for several years occupitd a prominent place amoug those districts of the Province that boast the possession of superior agricultural stock, for which honorable positiou she is chiefly indebted to the energy and ability of a number of shilful and enterpisising proprietors in the townsbips adjoining her capital, wh'y seconded by the lic il agriculiural soci tics. We have frequently had the pleasure of chronicling the arrival of supe rior animals selected from the herds and flocks on first class English breaders, and the sale of their pro. geny at what would even io the " old country," be
reckontd high prices. Recently our fellow towns man Mr. F. W. Stone, has nequired no small distinction as an importer and breecer of Short Horns," and three animals shown by him at the Connty Show in Octolber last. although only imported the previous week, and consequently iu poor condition, a'tracled general admiration, and were regarded by our $b=$ st judxes as 1 kely to prove essentially beneficial in improving the stack of the vicinity. We are gratifi"d to learn, as evidrace that the value of superior stock is fuily apprecia ed in the neigbborbood, and that our judiciously enterprising farmers may safely calculate on a fair renumetafion for the money and labor expended in breeding first-class animals, that Mr. Stone has sold a beifer calf, four montbs old, the produce of a beifer imported by him last fall, to Mr Jobn Iles, of Erarnham Plans, Puslinch, for $\$ 500$, the largest sum, so far as we are aware. ever paid fur a calf in the Provincs We have not peen this "golden calf," but we feel persuaded it must be a beauty, for Mr Il-s is rectoued one of the best judges of stuck in the county.
Mir Stone's herd. which may now, as regards qualit.g, compare favorably with any in the Province.comprising orer tweaty Short Iorus of the very hignest class. kept in first rate condition, is a credit to hirsself, to his manaf r , and to the con:ty. In addition to four splendid heifers imported by him this spring, he has at present en route fur ('anada about aecore of superior Cotswold She p, to be followed by a further importation of carefully selected Shoit Horns. Tue introduction of so much pure and hesib blood, combintd with Mr Stone's yery lijeral arraugements for the accommodation of bis neighbors, tuast obviously be largely beneficial to the lucalitg.

While on the subject, we are itduced to ask whether the Directors of the Proviocial Agricultural Association are not likely soon to diect their attention to Gutlph as an admiable site for one of them eanly exhbitions? Our two ines of railroad $n$ w on the eve of completion. will render the locality $A$ I as regards cransit accommodation. We are situated in the rery cratre of the finest and beat cultivated district Canada can boast. possessing some of the best farmers and best condu:ted agricultural societies in the Province; and. fiom the astonish ng rapidity with which the town is iucreasing, we will soon be able to accomolate a few thousand guests within new stone walls. The Turn aud County Mualipalities, we are persuaded, would subecribe hand. somely to the prize list; the ci-izens would make up a heavy purse ; and our farmers, who are a present actually overburdened with cash they dou't know what to do with, would astonish the Province by their liberality fur such a purpose. We trust the Hion. A. Fergusson, Mr. Harland and o ber friends of "the centre of creation" at the Board of Agriculture, will exert themstives ia this matter; we dare pledge ourself theg will be well supported by the county.

Reaping Machines.-Te bave been informed by a manufacturer of agricultural implements, one who is excellent anthority, that between tifieen and sixteen thousand reaping machines will be mauufactured and eold this year in our country. The demand is so great that manufacturers canuot make them fast enongh for their orders. This afford's evidence of agricultual prosperity, as the cost of these machines will amount io uedrly two million of dollars. Our farmers exbibit wisuom iu us.ag and patronizing machiacry. A reaping machiue will save the price of itself in one season. - Scient, fic American.

## SCOTTIEH AGRICUITUEAL WORTHY.

Gienthorn. (Neall Conocra), June 28, 1855.
Dear Sir.-Permit me to request the farer of you to give the unclosed a place in the . Agriculturist. - Mr. Brodie was an old reigbbour aud a much esteemedfiend of mive, as well as the other persons mentioned, who were either relatives or intimate friends of mine, I am sorry to say they are all gone. There may be Scotchmen settled in Canda who muy feel interested and be glad to read the inclosed

I am, Sir Yours faithfully,
WM BROWN.

## To Professor Buckland, Toronto.

It is imr ossib'e to eatimate too highly the obliga. tions the agriculture of Srotland owes 10 those in telligent an d perseveri $g$ men ubo at the co mencemento the present ce. tury occu ied as tenants some of the farms of Eat Lothian One - we believe the last of the e Mr. John Brodie. Abbey mains, bas la ely did at the ripe age of 75 . Emivent as a piactical farmer, Mr. Brodie earned a wider fame by the evidence he eare before the s lect cummittee of the Ifouse of Commons, appointed in 1826, 10 inquire into the then prevalent complaints of agricu! tural dietres. Tba committe. as is well known. prade no rep it. but the evidence taken staled the fate of the Conn Law. to oughsor ten years later that monetrous injustice remained on our Statute Buok.
Mr. Brod e's evide ce. Wi.h that of Mr. Andrew Houden and idr Robe 1 Hupe furuished some of the must deci-ive arguments urged against the Corn Laws, und demonsir.t d that the dis ress compl,ived of was due to an crroueous system of hosbondiy which the Corn Law had encouraged and srved to pripetuate. Mr. Brodie's evidence seems to bave gion offence to the landlord of his farm of Amisfield Mains; who refused to renew bis lease, though Mr. Brodie had contiuued to improve by draining and manuring up to the close of bis term in the full expectation of a renewal When the lease expired in 1839 the fartu was let to another tenaut, the landlord profitiog of course by Mr. Brodie's improvemeats. Of this, no douit the lav permitted, but the effict ou the teuantry of the district was to create feelings of distrusc aud dissatisfaction.

We take from a memoir contained in the North $B$ itish Aspiculturist, a few passages of general interest The writer eays:
"Of all the great mea who appeared in East Lothian tuwards the cio-e of the last and beginning of the present ceutury, and who shed a lustre over its agriculture noue was more couspicuous or emidently instrumental i advaucing agriculture than John Brodie. Ente ing the areva after Andrew Mrikle had invented the thrashing machine-Lee of skaetraw had introduced the Swedish turnip, aud, with Remie of Phantasie, bud adopted the four course rotation, Jobn Brodie along wi h Brown of Markle, Adam Bogue of Liupium, Robert Hope of Fenton Barns, and $J_{a m e s}$ Reid of Diem followed out $\in \mathrm{V}$ ry improve. meut in prac ice, and entublished on systema ic bagis the anriculture of that cumpry. which bas influenced aud is stil influeuciug, the wh le ch.racter of Scottish hnsbaudry.

Iu the year 1801 he entered on the oncupancy of the farm of Feliton, an a lease of twenty oue years, at a rent of $£ 1,450$, and which reut be c ntinued to pay till the cluse of the lease. The occupaucy did
at prove a lucrative omp, as the farm at tutry was in very had order, and it was only towatds the clase of the lase that full crops were raied. This was effected priucipally by importing amually at Aberlady several cargoes of manure from $\mathrm{L}_{4}+\mathrm{ith}$, it ressi ! beiug ownd by him for the purpose. The quantify of manure so brought to the farin was at the tume deemed extraordinary.

In 1820 he took a lease for nineteen years of Amisfield Maine Farm, near Haddingion, to which he removed for the greates courcuience of educating bis family. When the lease of Feutou Farm expired, the proprietor refused to let it to a non-resident terant.
In 1826, he took a lease of nineteen $\bar{y}$ ars of $A b$ beymeins which was renewed by the proprie orLurd Blantyre. The change which a couree of high cu tiration cau effect ou the most unprouising soils, especially where the climate is favourable, bas been nowhere more strikingly displayed than at abbymaius. Thos." who were familiar wit this farm prior to 1830 . and, who remember the cold, thin, clay fields of the upper part of the farm, and the weepius and weak looking soils of those fields, through which the public road between Haddington and Dunbar parses, koow what has been effected. Tbose not sc acquaiuted with the farm at that time can form a very inadequate idea of what has been accomplished. The crops irom being among the lowert average per acie in the county have for several yiars bren among the highest, and the produce in grain and in roots equal to any farm in the same space in the Uuit d Kiry. dom. This change has been produced by the skill and capital of Mr. Brodie, a portion of the latter being however, borne by the landlords by contract on entry.-The outlay in permanent improvements, d aining, sub oiling, \&e, and in manures, has cestainly exceeded the orininal value of the feesimple of the soil. That the oc rupant reap d and his friends will continue to reap the benefit of such improvernents, is unquestionable ; but had Mr. Brodie been cqually unfor unate, as to a renewal of the lease, in this as in the previous farms, much of his skill, enterprise, and capitnl would have been expended upon improvements, the benefits of which others would mainly have reaped. . . .... In Am'sfield Maias, he was eagaged in extensive draining operations, up to the second year of the expiry of h s lease. The increased value imparted to the soil during his occupancy, both of Amisfirld ana Abbeymains, would of itselt bave proved a full return for his exertions, bad be purchased the land previous to farming it, but farming the soil owned liy others, neither skill, capital, nor honourable bearing protected him from the common fate of occupying tenants, his very position as an improving farmer being rather a disadvantage than otherwise."

Mr. Brodie's peculi.r merits as an agriculturist are thus stated:-
"He was rather a pionecz than a follower, although with too sound a judgment to pursue novelty for its own sake. As an improver and as a cultivator, the same characteristic of patient perseverance was exhibited. Once resolved to undertake any improvement, be wei, tstraightforward uedaunted by obstacles, and keeping steadily in view the object aimed at in the execution of any undertaking, whetier in completing che draining of a field, or in peeparing for, or in sowing a crop, patience in waiting for a suitable tid, and dilligent persererance when the wealher was suitable, were alike the subject of re mark. Scrupulously attentive to eradicating all weeds, such as couch and knot grass, on their first
appea ame, he spard no experuse to cllect this. hee $p, n$, the land free from weeds and frequent applications in moderate doses of fertilisers, such as fam, town and portabe manures, we re the leading farares of his practice His minure attention to the details in the fi ld exercis d no considerable inturace in improvin the practice of those farmers, who going to and from the weekly market at Hadington, had the opportunity of wituessing be operations in progress. and :trangers from a disiance who came to examine into the adranced practice of the conty invar ably formed a highly favorable opiniou of his general management. As a bred der and a fetder of stock, he was pre-emenint. Thowe rho are familiar with the 1 remium lists of the Higbland and East Lothian Aaricultural Sucieties, must hase ob-erved that no name occurs so of teu as a successful competitor as that of John Brodie, white his essays on various subjects are recorded in their trasactions, and are raluable expositious of bis pract.ce, particularif as a shic sstul feeder of stock. The number of premiums takeu by Mr. Brodic was certainly greater tuan that of any other farmer in Scotland."-Lon. don Eccnomist.

## GROW YOUR OWN CLOVER SEED.

We are acquainted with intelligent practical farmers in West-rn New Yoik, who believe it protitable to seed down all their wheat and barley land every year with red clover. A well known and successfut cultivator of light land. near Rochester, bas abandoned altogether, the use of the summer fallow, depending ou corn and other boe crops to enable him to keep the land cleau. After corn he frequently sows barrey, serdug it down with 10 lbs . of clover per acre, and, in the fall, after the barley has been har. vested, the clover affords good pasture for sheep or cattle, or, if feed is abundant, it is allowed to grow uncrop $\cdot d$ and is tursued under, the same fall, and the field sown with wheat on one furrow He is satisfied that the va!ue of the feed in the fall and the fertilizing effect the clover roots, de., have on the subsequeut wheat crop, more than pay the cost of the clover seed. Others are convinced that, where corn is to follow, it is highly profitable to seed down a wheat or barley crop, with clover, and allow it to get a good start the next spring before the land is plowed up fir the coru crop. The clover, also, in this case luruishes much fertilizing matter, and the practice has the add.tional advantage of furnishing green food for the grubs and worms till the corn bas attained $a$ good start, and is capable of sustain.ng their depredations without material injury.
It is possible that, under such a system, the land may in time vecoune exbausted-not of potash, soda, or lime or of sulphuric or phosphoric acid, but of some peculiar cumbiations of these or other elements of plauts which, as yet, neither the chemist in bis laboratory, nor the experimenter in the field hasbeen able to discover. In other words, our fields, like the light soils of England under the four course system ot rotalion, may become "clover sick," and refuse to grow red clover oftener shan ouce in eight or twelve years. But, at present, we apprehend no such a result. We believeclover sickaess is unknown in this cou try, and should be glad to hear frum our correspundents on this point. Our object is rather to commend the extensive cultivation of clover, and to recoumend the systems alluded to, or a mouification of them, to those who have hitherto seeded down, at most, only a portion of their wheat or barley crop with clover. Be assured that, on all farms where

What. cord, har ey, oats and ohlier c real prasses are exteusively cuhirat-a, it will abundantly pay to grow as much closer as po-sible.

Why clover. peas beans, tures, sainfoinilupins and other leghominons pla ta are so advantageous in rotation with wheat, bar ey, oats, Iudian corn und other graineous plaus, we will hut now stop to inquire. The fact that they are so canaot be denied, and whether it is owing to their roquiring a differeut proportion of mineral substauces, or whether, priucipally to the fact that they do not require for in ir growth more ammonia thas they contain, while the wheat, coro, and o her plants of the same order destroy large quantities of this expensive fert lizer, is a question which it is not necersury to decide before we cau act upou the teachings of experience.

In order to induce farmets to sow more clorer, it is very fmportant that they be persuaded to grow their own clover seed; for it will be admitted that he who has to pay $\$ 5$ to $\$ 8$ per bu-bel to the city merchant or seedsman will be much more sparing of cluverseed than the farmer who raiees an abundance of his own. Fortunately this climate is not only well suited to the growth of large ciops of clover for fodder, or for turaing under as a fertilizer, but it isalso well adapted for the productiou of large crops of excellent clover seed. Why, then, is it so high? why is it that every farmer, dous not raise at leastas much as he needs for his own use? There is certainly no more necessity for buging clover seed, than there is for buging seed wheat, curn, barley or oats.

If not already done, let every farmer select a fem acres of his cleanest cover, cut it as early as possi$b e$, aud then al ow it to go to seed. If the laud is in good beart, and clean, nothing more is required; if poor, 150 to 200 lbs of good Peruvian guano per acre sown broadcast as soun as the first crop is remored, duriug showery weather, will be found a bencficial, and we bave little doubt a profitable application. Plaster increases the foliage of the plantz, but, it is said, retards the ripening of the seed. Four bushels of clean seed per acre is a fair, average crop; but eight bushels may easily be grown by cutting the first crop early, or by eating it off by sheep till the middle of May or first of June. If the land is not rich enough it shou d be well manured, early in the spring or, still better in the fall, with well rotted barn yard dung. It is important to have the clover as cally as possible, since it is frequently injured by frosts in the autumn After the seed is matured, however, frost does not hurt it; and, now that we have sevcral excellent machines for taking off the heads of clover seed, thus avoiding the expense and labor of curing the clover in cool wet weather, it may be left out late in the fall without any loss or inconvenience.

We repeat, and we would that every farmer in the country could hear us, grow your ou'n clover seed, and never, without special reason, sow a field of wheat or barley without seeding it down, in the spring, with from 10 to 1.5 lbs. of red clover per acre. We believe it will pay, even though the clover sod is plowed up the next spring. We will add, too, that, where plaster can be had for less than $\$ 5$ per ton, and where experience proves it good for clover, tie practice of sowing a bushel of plaster per acre at the time of sowing the clover seed, is worthy of extensive adoption. We think it of great benefit in enabling the young clover plants to stand the drouth.-Country Gentleman.

When pinks are in flower, their beauty may be prolonged by giving them a little shade at mid day.

## GRICCIAN EARMERS.

Profersor Felton, of Cambridge, (Mass.) in a lecture on " lif" in Grecce," gives the following in teresting duceription of rural life among the ancient Greek.
The love of rutal life was one of the deepest passions of the Grecian heart, b- youd the reatin of haArcadia, real ur ideal What lovely toucbes of ture adorn with their exquisite beauty the dialozues of Plato and even the comedies of Aristophants. Through the whole cumpass of Greek literature, the sights and somuds of the country, the fwet, calm sunsbinc. the flee cy cloud, the rong $0^{\prime}$ the lark and the nightingale, the rising sum, the sich meadow, thcatle feediar in the pastures, furnished thoughts which moved harmonious tuembers. When the Pe-loponn-sian war orened, the plains of Attica were corert d wi'h residences, elegantly furnished, which the inhabitants with regret and tears looked back upon from the walls of the city, white the $S_{\text {partan }}$ arm's were laying all waste with fire and swort. The country was tastefully decorated with little temples or chapels. consecrated to the uymphas and rural deities; and the lands were made holy ground, becanse in them were buited the ancestors of the fam. les residing in the mansions.
The Greek gardens were laid out with lawns groves, thiclarts and arenurs; while fonntains fed meandericg rivulets. Beds of asphodel, ayncinth and violete, roses, myriles and pomegranutes, diversii.nd the scens, or walted perfiume to the s.mpes Hore Acheniau taste and luxury displayed itself, The Greek as a farmer or city geutleman. is no' the Gre-k of classical assoc ations; aud yet, permap 3 , just in these relations, he was most inteusily ,Greck.

Honer gives a lively shetch of the primitive counEy life. ILesiod was a Boctian farmur, and gives precepts which seem to have been drawn trom bis experience. conceraiag lucky aud unlucky days. weather, \& $\mathrm{E} \cdot \mathrm{T}$ The eariy Grects philosophers caretulIy oberved the pheromena of the beavens, and were esilled in the arts of the season. The habits of animals, the properties of soils and their adaptation to differeut kiuds of ' ops, were matters of which they znew. Wagons, cirts. plows and harrows were minufactured on the farm or in its vicinitg, and the wood ased was chosen witn care. Corn was ground in a noortar with a pestle, and in later times in a mill. The list of other implements, such as scythes, saws, spades use of guano, sea-weed, and commoner substances, was perfectly understood. Laud was allowed to recover its strength by lying fallow. Scare. crows were set up in the fields to scare away bids: though a "spell" was also used, viz :-baving caught s. toad they carried him around the field by night alive, and then put him in a $j a r$, sealed him up, and -buried him in the middle of the grouad wheu, this representative enemy was buricd, the seed was gupposed to be safe from enemits. The value of hay was well understood. The time for mowing was carfully determiued, and the hayricksmade with due precautions against both damp aud spontaneous combustion. When the time of harvest came, the laburers of Athens ranged themselves round the agora aud waited to be emploged by the farmers.

The grain was separated from the straw by horses oxen and mules. in a circular thresing foor, usually placed on an eminence in the open field. A pole was ret up in the centre, and the cattle fustentd to it by a roap reaching to the circumterence. 'Itey
moved rund it until therg were brought up at the centre by the witiding up of the rope. mind were then turned into the opposite direction $i$ ill it was un. wond. Sometines a mude threshing machine, tooth. ed with stoncs or iron, or a flail, was employtd. In Hum r's tine a winnowing machine was used ulso. What the harvest was completed, the event was e.febrated by a fistival in honor of bemeter and Diongsius, at which cakes and finit alone were offered.

The culture of the rine was a sulinict of importance. and the sulection of a spot for a ving-yard, the direction of its exposure. the efliects of climiste and particular winds, were sedulously considered. Hed cins, weeding, settiug out slips the treament. of the viluw were all de:cribed by writera b fore the time of Virgil. The apparance of a, vinegardcomposed of tree climbinr vitues. is beautitully deo scribed by Mr. St Johu, the tre es being ash, popular, maple or elm, and plated one row abore another on a declivity, with the lower branches cut of ; the viue climbed ihirty to sixty feet, accoldiag to the depth of the suil, and sunniug out on the high branches arched from tree to tree, or on bridges of reeds.

A sories of lofiy arches was thus created. beneath which the breezen conld freely play. aboudaut carrunts of pure air being regarded as no le-s essential than constant sunshine to the perfect matuing of the grape. The fruit was $k$ pt, resh of ante into raicins. It would be endless to attrmpt a description of all the fruits and the method of taising them. Cider and prory were made from apples and pears. The olive was perbaps most extenslivly raised, as its oil was used tor lights and as the basis of cookery.
The farm yards had their noisy tenants. Geese and ducks often waddled into the kitchen, in one curner of which might be heard the comforting sounds of the cccupant of the pirstye. The art of enlargiug the gouse's liver for repicures was well known to Greck and Egyotians. H andrys, furaished with roots, were attached to the kitchen 90 as to rt ceived its smuke, which was ruppond $t$, be agreeable to barndoor fowls. Pigeour, peac chs, pheasauts. gauca-hels, do., were to be found at the es-tabli-hneat of wealthier farmers. The laboring animals were much the same as now, exe-pt that the horse was comparatively more uncommon in the working of the tam, being reserved for the chase, war, \&̇. The arrangem-nts of a Greek dairy were much like ours, and though butter was litle used in the class cal ages. yet cheese was unive 81 ly eated. general y whi e fresh and soft. Milk was sold iu the Grecian markets by wowen, and it frequmbty reached the customer in milk aud water. A method used for detecting the cheat, was to drop a litile on the thumb-nail; if the milk was pure it would remain in its place,-if not it would How away.

Maxims for Yulng Men-Never be idle; if your hauds cannot be usefully employed, aite ded to cultivating your mind. Drink no iatuxicatiug liquors Always speak the truth. Keep goud compai y. Make few prowises. Live up toyour engagements. Keep your own serets. When you speak to a person look bim in the face. If any one speaks evil of you, let your life be so virtuous and upright that none will beliere bim. You had better be pisoned in your own blood than gour priuciples. When gou retire, think what you bave done during the day. Your character caunot be injured except by jour own acta Keep yourself innocent, if you would be happy.

Incorporatcd Drainago and Lard Inaprovenent Company of Upper Canada.
The Act of Iucorporation of this Comping, passed during the last sussiun of Purliam nt, we publish for the iuformation of our readers. The objects coutemplated are of the most important description, and ercry encouragement shoull be giren to any - -ll digested and practicable scheme for facilita ting works of draia age and sewerage upon which so materially deprod the wealth and s.lubrity of the country. Con puits of this kind have been formed of late gearsin the United Kiuglom, and they bave been attended with a large measure of success. Finally the time has arrired when sometiing of this eort shoald be attempted in Canada. We ask the besta tention of our readers $t$, the subjoined Act, and our pages will always be open to communications en the su'j ct. We understaud that the prelimi. nary conditions of the Act have been complied a ith and that S:ok- Buoks will be op ned immediately at 5 the Branebes of the Bank of Upper Canads. It must be evideat that an eut.rprise of this nature requires the prompt attentioa aud lib. rat sapport of all that ate frienully to the ag icaltural and general improvement of the coun ry :-
aN act to nocorlorate tile genkrai, mrainige and LaND AMPRUVEXLEN CUMPANY OF UPPER CANADA
Whereas land is capathle of being great'y increased in productiveness and vatue thy works of Drainage aud other permauent impro fements: And wbereas the sanitary condition of ,ities, Towns and Vilages is getatly advasced by eewerage, water supply and other operations: And whereas the more general extrasion of such works teads to prevent and remove epidemic and other diseases, and to improve the public healtin, aud it is theretore expedient to encourage and fachitate such operations by all fitting mrans, and particularly by the application of Joint Stock Capital and collective enterprize; Aud whereas the pro isions of the Act passed in the Session beld in the thirceenth and fourteenth years of Eer Majesty's weign, intituled, "An Act to provide for the formation of iucorporated Joint Stock Compames, for Manufacturing, Mining, Mecbavical and Cbemical purposes," aud also of the Act passed in the sisteenth gear of Her Majesty's Reign, to amend the same, are of limited appication and insufficient for the several operations herein contemp ated: Be it therefore enacted by the Queen's Musit Excellent Majesty, oy and with the advice and cousent of the Legis ative Council and of the Legislative Assemby of the Province of Canyda constituted and assembled by vistue of and under the authority of an Act passed in the Parliament of the United Kingdom of Great Britain aud Ireland, intituled, "An Act to re-unite the Provilces of Upper and Lower Canada, and for the Government of Canada," and it is hereby enacted by the authority of the same, as fol:ows:

1. From and after the passing of this Act, the foljowing par'jes: Sir Allan N. MacNab, M. P. P., of Dundurn, The Honorable William Cagley, M. P. P., of Toronto, S. B. Frecman, Esquire, M. P. P., of Hamilton, Sir Edward Poore, Baronet, of Cobourg. E. Cartwright Thomas, Esquire, of Hamilton, Charles P. Treadwell, Esquie, of L'Original, President
of the Provincial Agricultural S ciety, George Buckland. Eiquire, of Torontis, Su cretary of the Board of Agriculture, E. W. Thomson, tsiuire, Pesident of the Board of Agriculture, R. L. Di nison. E-quire, of T'uronto, J. B. Warks, Risquire, of King-ton, Thomaz C. Street, Fiquire, M. P. I', of Niapara, llugh C. Baker, Esquire. of Hamilion, J. T. Gilkinson, Esquire, of llamil on. Willian Matthie, Equire, of King-ton, the Honorable Adam Fergusson. of Woodhil', deorgr B. Alexauder, Esquiie, of Woudstuck, William Batkwell, Eaquire of Lundon. Hugh Barwick, E=quire, of London, William Niles, Eiquire, M P. P., of London, E M. Simons, Esquire of Hamiltou, J. S. Weteuhall. Esquire, of Hamilton, Secretary of the County Aoricultural Association. J. B. Asken, Esquire, President of the Agricultural Society of Middlesex. Jobn Harland, Eequire, of Guelph, S C. Ruttan, Esquire. of Cobourg, David Cbristie, E-quire, of Branford, W. L. Distia, E.quire, of Hainilton, and such other persons as shall become Shareholders in the undertaking hereinafter mentioned, and their successors in perpetuity, shall bo and are hereby constituted and incorporated a Jjiat Stock Company under the style and title of "Tha General Drainage and Lani Improvement Company of Upper Canada," for the purpose of undertakiug and executing within limits of Upper or Wesiern Cunada, all such works of drainage, irrigation, clariug, fencin $r$, building, road-mating, and other $p$ rmanent improvement of land, as well as all works of sewerage, water supply, Sewsrase app ic stion on d other fanitary operaioons, as they shall be called upon to undertak. by the owners of land or the Municipal authoritits of Counties, To.vusbips, Cities, Towns or Yillages, or other persons or bodics corpo. rute.
II. The capital of the said incorporated Companysball $b$ - one hundred thonsand pounds divided into ten thousand shares of ten pounds each. with power from time to time, at the discretion of the Directors, and with the concurrence of the majortiy in vacue of the Sharebolders, to increase the said capita to two bunilred and fifty thousand pounds, by un issue of fifteen thousand additional shores of teo pounds each either at par value or at such premium as the Direotors shall think proper.
III. The affairs of the said Company shall be managred by a Board of eleven Directors, any six of whom shall be a quorum, and the followius shall be a first Board, nam.ly: Sir Allan N. MacNab, The Honorable Adam Fergusson, Samuel Black Freeman, George Bucklaod, Hugh Copart Baker, Jasper T'. Gilkiason, James S. Wetenhall, Edward Cartwright Thomas, George T. Denison, John B. Marks, and William L. Distin, who shall hold their office until others sball uuder the provisions of this Act be elected by the Shareholders, with power to open Stock Books and call a meeting of Stockhulders as hesein.after prorided.
IV. The said Directors are hereby empowered to take all necessary measures for opening the StockBooks for the subscription of parties desiruas, to become Shareholders in the said Company.
V. When and so soon as two thousand five hundred shares of the said Capital Stock ehall have been subscribed and ten per cent. sball bave been paid in thereupon, it shall be lawful for the said Directors or a mejority of them, to call a meeting of the holders of such shares at such place and time as they shall think proper. giving at least fifteen days, public notice of the same, in one or more newspapars published in the City of Hamilton, and the Canada Gazette, at which meeting and at the Annual

General Meeting in the following section mentioned, the Shareholders present. cither in peason or hy proxy, slan! proced to elect eleven Directors in mauser bercimafter mentoned, which said eleven Directors shall hold office until the first Monday of Junc following.
VI. On the said first Monday in June. and on the first Mondav in June in each year thereafter, or ou such cther day or place as shall be appoisted by auy By-law. thete shall be choeen by the Sharehotders eleven Directors, and public wotice thertfore shall be publithed one montb before the day of election in the c'anada Gazette, and one or more such wewspapers. as aforesaid; and all elections for such Di . rectors shall be by ballot, and the persons who thall beve the grealest number of votes at any siach tler tion eball be the Directors, and if it shatl happen that two or more shall have an equal number of votes, the Shareholders shall determine the election by another or other vo es, until a choice is mace: Provided always. that no oue bolding lees than thirty sbares shall bre qualitied to be a Director.
VII. It els.ll be lawful for the Directors to call upon the Sbarebolders for such instalments upon each share which in $y$ or any of them may bold in the Capital Stock of the Company, in such nroportions as they may see fit, so ay no such instalments shall exceed teri per cent., giving one month's no t:oe of each call in such mamer as they shall appoint.
VIII. The several clauses of the Railmay Clauses Consolidation Act, with respect to Direciors, their election and dutses. shares and their transfer, and sharcholders, shall be incorporated with th's Act. and shall apply thereto, and to the undertakiug berein mentioned, in such and the same manner as if the same had been hercin re-enacted, and sball be included by the expression "this Act," whenever used herein.
IX. The said Directors shall appoint a Chairman and Deputy Chairman from their own body, and also a Secretary, an Euginter in Chief, and such other officers as from time to time may be requisite, and shall make such By-laws as they shal derm proper for the management of the stock and allaits of the Company, for prescribing the duties of their officers and other matiers connected with the proper management of the business and affars of the Cumpany, and copies of such By-laws outtified by the Secretary of the Company and under its Coiporate Seal, sball be prima facie tvidence of such By-laws in all courts of lav andi equity in this Province.
X. In pursuance of the authority herein given. the Company shall have all power, liberty and license to contract for, execute and periorm all works of trunk, arterial, surface and subsoil drainage of sewerage, water supply; the colltetion and distribution of sewerage, and other refuse in Counies, Townships, Cities, Towns and Villages, the cleariug reclaiming, fencing, grading, and irrigating of sand and for such purposes to construct, erect, work and maintain all houses, homesteads, tileries, kilns, steam engines, water wheels, embankments, sluices, reservoirs and roads, and to do and perform all and singular such other works and things not herein enumerated, as may be needful or convenient for properly and effectua:ly carrying out all or any of the operations hereby authorized to be done.
XI. When owners of lasd or the authorities of Counties, Cities, Towns and Villages shall desire to avail themtelves of the powers of the Company for the execution of all or ang of the works herein au thorized to be done, the Company shall, on applica -
tion from such owners or sutho ities fur their appeoval and concurrence, when a contract shat teentured into tor the due perfornance of the work, which shall be binding on al partits. Tbe company miy ruquire from such owners or authoriliessecurity for myment to the Compaty of surh sum for preIn mivary expurnes as strali defray the actual cost thereot if ne coutract for work is entered is o; but if a contract b couc uded b tween the p. rties those expenses shat: be included in the amount of the contract.

Xir. In all oprations undertaken by the Company, it shall be lawlul at the option of the owners of tands, or authorithes of Ci ices.Tuwns or Villages, for the suid company to ext nd the payment of the cost of the we rbs over any $p$ riod to $b$ - ugre dup $n$ between the paeties, wht exceding twe 1 y yant, and to rective the same by such yearly, hatt ye.rly or quarterly instalments, to be aliso agreed up $\cdot \boldsymbol{n}$, as shall redeem the sd dota cost and interest within the peried precerithd, the said owners or an horities givine to the Company a full and sumi, ient mortgage. securny or $r$ at charge upon the ands improved or the wolks executid, for the time oper which the pasmens of the instaluents extends.
XIII. The Company shall have powr to acguire, hold thy mortgaye or otherwise, to improve. sell and consey a y and and real estate. and alio to hold and sel' any perforal and moreabe propiry whatsosver, which may be neces ary for conducting the several opration of the Cumpaty. or as acuraty for the pargint of any moneysdur to the in or which shall comfort with the penemal desigh of the powers and provistous bertin eiven and made.
XIV. In cousidetation of the character of the operations to be undertaken and the nature of the security upon which the sepayment of the ir cost is based it shatl be anfu for the Cimpat y 10 is a due Delbuntures in sums dot lets than tweiny-five $p$ unds currency each. eitber in cuntency or sterling as the Directors shall fiud onvenicht, beaing interest ar the rate of exx pounds per centum perannum, and pagable enther in this Province or elsewhere, and at such time rerpective ly as shall correspoud with the periods orer which the repay me $t$ of their contracts shall extend. aud so that the total ausount of such Debr-ntures issucd or ourmating at any ore time. shall not exceed two thirss of the entire amount of the cost of the works ex. cutcd by and in progress of repayment to the Cu upaig.
XV. The Directors may and are berely authorized to call at any tume or times, as the y may dink needful Specian Heetings of the Shar holde is at the offices of the company. or at any o her place by adjoursment, as may be found nore convinient; and at each aud all of the yearly Gener : M Meenings. the Directors shall submit a seport of the state of the affairs of the Compruy, togetber $w$ th a true and correct balanceshet and account, shewing the awount of capital paid up. the amonut of moneys exptnded and labilties, the contracte extring and other matters requisite to the fun mimerstading of the affairs of th C mpany, and such in.eting shall declare the amou $t$ of div dends to be pad to the Stareholders.ut of the profits of the cou pany, and shall tiansact a.g busiues when m.y one aredful.
XVI. At such leet ugs it shall be law'ul or execubus turors curators, guadians. iru-bes and municipal aththorites, to eprese..t a d vut.: on the shares in their haude, but they shall not be eligible for Directurs or for any uffue und r whe 1 ompany.
XVII. Inasmach as ibe works herem poundid are calculated to be of essential sauituy $b$. utit to the
inhabirants of citi s. Tuwns nat Villages it shall be lawlul hor Muncipalities to take and hold sbares ia the c:apital S ock of the Company, to such - stent as they may seperally duly determine: l'rovided, that inno case the amount held shall execed fire shares to eviry one hundred souls of the popu lation
XY'III. The Company shall furnish the Barean of Agriculture with a copy of each vearly report and statem nt $0^{\prime}$ acconuts, and shall at all times afford any further infor $n$ tionas to the state of the affairs of tbe Comp ay which myy be required by the Lasgistidure or the Government.
XIX Tb: interpretation Act shall app!y to this Act, aud this Act shall be deemed a Pubitc Act.

## MARING CHEESE FROM A BEW COWS.

Except in the dairy districts, bow seldom do we meet with good cheese on a farmer's table; how often do we meet, with none at all. Aud yet every farme keep*a few cows, suffient at least to rupply the famly, with butter through the year, and there is no reason why every one who keeps two or three cows should nut make good cheese enough for bis own use. More labor indeed is required to make a pound of cheese from a small dairy than for a large one, but this is no excuse for not making it. since the same is true, to a certain extent at least, in regard to butter.

Some of our readers who make an hundred pound che ese ev ry morning, will be inc ined to mile at the following directions: but nevertheless, we can assure them that we have eaten the $b=s t$ of cheese made in this way. There are probably many b-tter methods, and ii our readers know of any we should be thamkial to bear from them

The dificrence between making cheese from a smal and from a larg: dairy consists priacipally in this In a !oge dairy the curd is thade into a chee e every day, whle th the small dairy the curd-obtained precisely as in the large daits-is slightly presed and laid by in a cool place ti 1 a sufficient quantity is obtuined for makiug a cheese as large as desired
The night's mills should be kept as cool as possi ble, and the next morning placed in a tab, together with the morniag's mitk; and the whole, by adding a purtion of beated milk, raised to about 90 Fabr. The rennet is theu added, the mitk well stirred, and afterwards let alone till the curd is well come. The time this occupies varies from fifteen sinutes to two hours, according to the amount of rennet, $t=m p e r a-$ tare do.-the warmer it is put together, and the more rennet there is added, the quicker will the cherse come. As a gencral r.le the longer it is in coming, the tenderer and swecter will be the curd. We shuu d seldom desire it to come sooaer than 40 misutes after the remnet is added.
When the curd is come, it is broken quite fine either by trand, or by a curd breaker, which cuts it, iuto very small pieces. After bis it is allowed to stand and settle. some persons at this stage raiee the temperauare of the whey aud curd up to 95 or 100 . This is called "scadiug." The practice has its advantages, and disadvantages. If the milk is warm enough when the rennet is added, it uaj be dispensed with; if tou coul ; it m.y be required. If it is desired to sell the cheese when a moath or six weeks old high scaldiug is indispersable, but in makiag gool checse for thome use, we should seald very little if at all.

The card is casily separated from the whey by throwing the whule into a sieve or on to a checse
cloth. The curd is theu placed in a strong cloth, and well pressed to remove as much of the whev as possible. This is very important. It is then zaced in a cool place, and the operation repeated daily,-or every other day if the milk will keep sweet, as it will in st cool cellar in the fall.
When sufficieat curd is obtain-d in this way to make a checse of the desired size. it is all mixed together, brokno quite fine. and -alted It must the be pressed for a few hours; a clean dry cloth put around it, invested and pressed arian. At first it shoutd not have too heavy a prisure pat on it, but it camnot be preseed too dry It ehould have dry cloths put round it and kept under the press till it does not wet them. Nany will object to so much pressure, but we speak from experience and with much confidence on this point. Less scalding, and more pressure would, in our opinion, add greatly to the real ralue, and checse-like flavor; though perhap s not to the buttery appearance aud ealcable qualities of most American cheese.

When the cheese is taken from the press it should have a little salt put on it, and bo kept in the dairy, or other cool moist place for a few days. It may then be iaken into a dry room, when for the first week or two it must be turued every day, or the sile next the floor will monld. The room stould be well veatilated and nearly dark.-Country Gentle. man.

## ABOUT GRINDSTONES.

The following is from a correspondent of the Progressive Furmer. As the period of barve, has approached, it fursishes a hint fro:n which many farmers may profit:
I speak without fear of contradiction, when I say that more than one million dollars have tween lost by the farmers in the United states, duriug the last balf century, by their poor economy ia the use of grindstonts. Many a farmer, by using a poor griudstone loses enough in one stason to buy a giod one. But oue faruer who is very much afraid of book farmins, and never read an agricultural paper in his life steps foward and inquires how he has lost anything by griudstoues? He says he uees the same one now that hits father gave to him fifteen years ago-and then it was quite an old one - therefore he thinks he bas been quite stving in that live of business Perhaps it would be useless to try to conviuce him of his loss, for some men are wise in their own conceit, therefore there is but little bopes of improving them. Auy farmer of common sense, who has ciphered through smple mu'tiplication.can tell very near how much he luses every gear by using a poor griddstone.

We wild suppose that the work can be done onethird quick re ou a good stone than on a poor one: we next suppose that the time sp.at by a farmer and his hired man in griuding tools du ing the year, anounts to twelve days : then, it oue third of this could be saved by using a good stone, here is a loss of four dars. These four days work, toge her with board, camnut be less thau four d 1 llare, which would buy a stone of th first quality and ail irs fixtures. But the loss of time occasiontd by grinding on poor: stons is far from beiug all the lo-ges that arises from the use of such stozes. The tools cannot be gromed near as well, therefore the workman camnot perform as mach la or or do it as well, as if the tools had been properly ground. In my opinion many a farmer iu $t$ 'is country losis from two to live dullans every year by usiag a poor griadstone.


THE GRAIN DRILL.
The Iforse Driil has been much longer in uee among $g$ od farmers than reaping and mowing machines, but j : bas not extended itself so rapdly as the lotter. One reason fur its s'uw progress in this country, is doubtless hecan e it is not so pre errineutly a labar saving machine. The great object of the grain-grower in this country, is to save the $t$ rouble and expense of mavual lab:r, aud to expedice the severd proceses of cultiration, harvestiug and preparing for market. The Drill is not remarkable as a labur saving implement. If we c^n"ert t:e borse-labor into it equivalent, and sow $1 \cdot y$ hand, we shall probably find that little is saved either in the or appense. We must $l_{0} \mathrm{k}$ ekwhere for the bent fi $s$ of using the Drill. The everness and reguarity with which tie seed can be cown ; the uniformity of depth at which it is deposired, and ibe eves quant greater immunity from the effects of frost in winter and sprivg, are some of the advantages of drilling erain. It is aiso alleged that

Wheat grows better, ard is less liahle to rust in dril's, than when broadcast. Reptated experiments have rrovel the superiority of drill-suwing in the old courdry, and al=o if we can be ieve the secounts we have seen, in the United States. In the few instanees that have come uuder our notice in this country, equ lly benefuinl :esults hife ben realzed. I does not require many figures to show that if the Dri.l will give two or even one t ushel more to the ac'e, other things being equal, than the broadcast method, it wruld pay to use it. They are now made in a much simpler form than the Engish Drill, and at much le-s cost. We believe thry are manufactured at Ham Iton, St. Catharines, Newcastle, and also imported from the Unit d States. A vary gocd kind call. d "Seymour'. patont," is sold hy McIntosh \& Wa ton of this City. The above cut represents one of Messrs. Rugg' es Nourse aud Mason's Drills, of Boston U. S.

A Gond Conyost hor Sisioy Land-Takp 10 loads of stable or harngad manure, 5 loads of clay, 20 bush is of ashes, and twenty harhels of lime ; mix the whole well together, and jet itremain in pile a the whole well together, and let itremain in pile a
few weeks; then tan it over, and it will be hit to apply to the laud.
The ahore will make a better droseing for an are of laud than twenty five loads of stable or barn-rard manure alole, aud will last longer.-American Farmer.
Ia ail composis intended for light. sindy soils, elay is one of the mo to ralu ble ingtudents tbat can pesib!y the used One reason why samdy lands are zo lithe capmble of veretable prodaction, in the in wat of a mbesiveness. It is almost iup ossible to consolidate tbem rufficiently on se eure that degree of retuntion so ussmially sud indiepensebly necessary to the deromporition of those orpanie matters which are applited in the course of cultivation as manure.
a

The deantify of clay required to change the consilutional texture of anch bands is necessarily great; yet with copious applications of putrescent substances, and the repular a d systrmatic manipulations of judicicus has atciry, the tack of supplying as much as may be monsany eflectually to amilionate and permanchitly to improve the tixture and productive capacity is liy to muans tedious.

There are fiw farmens who could not devote three or four days in toe year, with their tomme, to carting on clay fiom the low gromuds, or to accumarating it in th-ir yauds and bog-tyes to be tha worked up and composted with the roidings of the animals aud wher materals capable of imparticg fertility to their lazds.

The more clay one can afford on such improvemors. the hetter for the re in litule danger. in ary case of applying too much. Sand on clay lands, is cepualy benficind, and jurdaps, in most casce, even muse to.

## PRIZE ESSAY ON CANADA.

We have received a copy of the Essay which obstained the first prize from the Paris Exhibition. Committee, and find it as was to be expected, a rery interest $i_{n g}$ and succinct history of this noble province it snatural resoutces, aud the chatacter aud condition of its inhabitants. The author is Mr J. Sheridan Mozan, a young gentleman conmected with the political presa. and for some time a resideut of Hamilton, U C. We notice some omis.io is and a few not very important errors, but as a whole the essay is a very creditable performance. We eelect a short chapter:-

## qGRiculture and its progness. the same com

 PARED WITH THE UNTTED STATFS.Canada, but especiaily the Western Prosince, is and has been ess ntially an agricultural country. Acting upon a policy which it is neiber necessiny to explain, nor to discuss the merits of here: England has always desired to make Cauada. and indeed all her North A mericau coluni,s, marts for the consump. tion ot her manufactures. The consequence is, that Canada's energy has betn chiefly directed to agricul. ture. It is true that she has valuable minerals. bat it is oniy recently that public a:tention has been directed to them, dud that capital hes been applited to their production. Whatever prospenty the Canadian puople enjoy. it is emphrtically to the soil, the use they have made of it, and the timber they found upon it, that, they owe it. Fo f.llow the plongh, therefure, is to follow what bes led to Canada's wealth. T'u count her etacks of corn is to tell what she has to show for $h \cdot r$ latour. The statistics which mark $h r$ annual production are the mile stones on ber road to prosperity ; and if the teader has a fancy for wellstored gramaries, rich harwese ficlds. farm gares teem ing with plenty, and beautitul animals-for they are not the le-s so for being dome-tic and useful.-1 would invite bim to take a short excurs on upon this pleasaut rond of Camadian pro-perily.
The raln, of all the veret. ble productions of Canada in 185 l was estimated at $£ 9.201000,-$ graio being $\mathcal{E} 5.630 .000$, other products $£ 3570,000$. The wheat crop of thit yea in Upper Canade was 12.682 ,550 busbels, ur near y $1: 3{ }^{2}$ busbels for every inhabitant, while that of the United States in the same jear gave only about $4 \pm$ busthels to each inbabitant.
it rould exceed the limits of an Essay to trace the large increase in the vepetable prothonion of Camad. The progress of the American Suates, uncxampled perbaps in the bistory of the world, affurd, by con trast, the best peonfs of the agriculenrat ad rau ement of canada. Ohio, the best of these States for agricul ual purposes. and where land is beld. on an apro age, at double the price of that of the whole Union. produce $s$, with wearly acre for acre moder whe at endtivation, onesevent.l less in quantity than Uupur Canada, there being one and a half bushels lees to each iobabitant.
In the last ten years the growth of wbeat in the whole Uuited Stuies increased is per cent., and that of Camada. in the same prriod, incieased 100 per ceat. Evea in Lndian cora the production of Cander compares most favornthy with the States. the inere.s in the Siates, fin a prind if ten gears, up to ls.jl, being 56 yer cent ; and for nine years, up to the same period, that of Chada was lei3 per ceat.
Of oat , the prowth in Upper Canela has, in niae gears: incieased 133 per cent., and in Lower, serenty:
avainst, 17 per ceut. duriug the same period in the Uuited States.

The amount of live stork iu justly corsidered one of the most impurtant features in agriculture, and one of primary cousideration in good farming. as without it the propertios of the soil conld not be sustained. the expense and dificulty of introducing Guano, Nitrate of Soda. aud other costly manurea pressing tho hearily upon the farmer in a young c mutiy. In addition to this, stock is a somice of wealth, as affording butter, cheese, wool, anu other maiketable produce.

In 1851, Canada possessed 592622 milch corss, boing two to erery 64 persons. and 46,939 more than the State of Obio, which had in this yrar abont an equal number of inhabitan's In shece. Opper Canada had ten, aud Lower Canada einht to every one hundred inhabitauts, whilst the whole Cnited States hall 71 6th. In ten years the incereast in the States of the latter animals was equal to 10 per cent., and in the weight of their fleece 32 per cent. In Canada, f $r$ the same period. the increase in abimals was 35 pre cent., and in wool b.t, the quality of Canadian woul being declared, at the Great Exhibition, to be nearly equal tus the fiuest samples of German.
Canada possesses one horse to every fire inbabiinnts, and the iucrease in ten years bes buen 50 per ceat. . The best cattle increaced 64 per cent. in six gears. and the total lire stock, according to the Census, in 18.31, was 4.249.314 he al. The increase since that period must have be en very large ; aud the importation of the fiarst European bre eds. carefully st leched. has enabled the Cas arlian farner to cumpe'e, in stock, with any pait of the whild.
Fr ma summary of the facts elucidated by the l4st Census o: Canada and the Uui el States, taken within a year of each other. it appear, that (amada far exceed, the mosr productive State of the. Union in nherat. puns, rye, barley, onts. buckwheat, hay hemp. thax. hops, ma le sugar, uud peraters, Ohio largely exce ding Cauada in butter, ch"ose, grase sred. wool. tobaceo, $b$ ef and roik; atd if the produce of the forest br added, of which Canada sported in 1851 $t$. the value of upwards of a million avd a hali of pounds, the rela ive realth is greatly in fovor of Canada.
Already the popu'ation of Canadz is more than onk-thit ter nth of the United States, the area in square miles. cseln-ive of territories, bemg one-sixth; her growth of wheat is ouesixth that of the surerican Thion, and possersiug, as the dofs, the great high way of the St. Lawrince to the Wist, ber resurces present an unrivalled field for euergy and enterpise.
As a wheat exporting country Canada has made great progress ; and as the improved methods of agriculture are more generally adopted, and her rich territories io the west bu come better se tt!ed, ber exports of breadsiufis wil be iompence. It would appear that the Uuited States, on the contray, daring the last twenty gears, have been unable, cren with the tempta-ion of tamime prices, to incrase their export. for in 18 :3 their export of what and flour was cquai to 9.41091 bushels. ard the value $\$ 10$,461.7 li . In lasil the export wat 11,025397 bushFIs, the ralue $\$ 11.513 .063$, the increase in twenty years b, ing only $1,555,306$ bu-h lis.
In 1s:3s Canald ex, orterd 296.0:0 busbels of what,
 een umes Il rexperts in grain hive dabled cur times in fifteen yeats, or more than ace in erery beur jerts. They ure bow cquar to ouchiall the cho tre exp.nts of he United Sintes.

Tbere are, howerer, two arlicles which. until lateIy occupied little attention in Cnuada, namely, hops and diax Of the former a considerable amount has been already exported, and the quality was com-idered fully equal to the British at the Great Exhibition. The growith of dix is likely to become a very important feature in Cauadian iudustrial wealih, for the soil and climate of cianada are regarded as bettersurted for its growth than the great fax producing countries. The fibre is of the best description, and Cauadian hemp is fully equal to that from the Baltic. The Goverument have already showo a disposition to foster and encouraze this new source of national wealth, and its manufacture will soon become very geberal in the comotry.
[The prediction respuctiag flax manufacture will not be verified in Upper Canada.--Ed ]

## WASH FROIK SINK.

There is probally no article that can be applied to growing vegetables, more decidedly valuable, than the wash from the sink spout. And yet this is not generaly understood by farmers, and few efforts are made even by the most economical, to economize an article in which are to be found all the elements which con.tribute to the sustenance of vegetables in a state of perfect solltion, and consequently in a coudition the nost readily appropriatle by thejorgans that they designed to nourish, invigorate and sustain.

It has been computed by chemical men that the amount of pabulum, or a m ntany matter, contained in the uriue of animals, is equal to that of the solid voidings. It bas alro been asserted that one hogshead of soap suds, if applied iu irrigation, would produce effects upon the corn crop as obviors and euduring, as those resulting from a cord of the best manure. This assertion $i=$, perbaps, erontous; but that the effects of the article applied in the manaer specified, would be bighly falutary, no oue who has witnessed the effec of roap-suds upon cu cumbers. squashes, house plauts. de., can indulge a doubt. But the most ecouomical method, probably. of saving and appropriatiag this liquid to the purposes of vegetable enrichment, is to mix it with the materials of the compost heap. Any subeta ce which will absorb it, may be made a vehicle for conveving it to the firlds such as ssamp muck, which, in a dry state, readily absorbs three times its weight of water. loam, old tan, rotten leares, straw or saw dust, all of which are highly raluable, and act tavorab y both on the soil and crop.
If it found inconvenient to convey the sink waste to the piggery or barn cellar, dig a hole near the bruse six feet square, and two or three fict derp, accordiug to the amount of water from the sinh. If this is desigued as a permanent arramgement it would be well to stone or brick it and cuver the bottom and sides with water cemrat. But it will answer very well without either. by laying some dd timber, joist or stones round the edge, and banking the earth up against it so that it may be covered up and not be offensive to the sight or smell.

On the botom of this, lay meadow mud. stran, leaves, wepus, or common loam. and let the waicr ou. Tibese materials should be frequently supplicd iu small quantities until the place is fuli, when it may be carted away and the operation contian a.
$\Delta$ Fumer who had adopted this plan, thinks he can make by it at la ast, twenty dollars' worth of the best of manure in a year, though the oprations o the kitchinare limited, the family beius small. -N. E. Farmer.

## THE MONTHS.-AUGUST.

"Oh tis a goolly sight and fair, To see the finds their proluce bear, Waved by the breazes lingering wing, To think they seem to lauch and sing; And call the heart to feed delight, Rejoicing in that glorions sight, And call the reapers skilful hand To cull the riches of the land."
The name of this month was given by the Romans in honor of Augustus Cicsar upon his assuming the consulship, who had been suceessful in sulidning Egypt and putting to an end the civil war. Prior to this it had been known as Sestiles, as being the sixth month from March, which was considened the first month of the Roman year. The Anglo-Saxons called it Arumonath; Arn signifying barvest. It was also designated in accordance with its charact ristic natural features; Barn-Mmath, and Harvest-Monath.
Lammas Dar, which falls on the first of August has be cu supposed to signify Lamb-Mass, because on that day the temants who held lands belonsing to the Cathedral Church of York, which is dedicated to St. Peter ad Vincular, were bonnd by their tenantey to bring a live lamb into the church at high mass. Others give the same derivatioa, but explain it by saying that "lambs were not then fit to eat, they were grown toc big." Others agaiu have imagiued that it came from the Anglo Saxon Illamalessi, that is Lexf. $\mathrm{M}_{\mathrm{A}}$ s, "" because on that day the Euplish made un offering of bread made of new wheal." It is a pleaning feature in the character of our ancestors that they were accustomed to express their gratitade for the gitts of Providence by speciol acts of thanksgiving in publie worship: an example founded in the true spinit of philusuplyy. and most obviously in accordauce with the Diviue will.
The grand feature of this month is the Giam Marvest, which is ustally commenced in this country in July, lont can seldom besaid to be coupleted before the middle, or in late districts, the end of August. 'he farmer is now about realizing the fruits of his skill and toll. Howitt thus truthfully deseribes this joyous sea on: "It is a time for miversal g'adness of heart Nature has completed her most important operations. She ba, ripened her first frute, and a thousand hards are ready to reap them with joy. It is a gladd $n$ ing sight to staud upon some eminence and behold the yellow lines of harvest amid the dark relici of hedges and trees, to se? the shoelis standing thickly in a land of peace; the party reaped fields, and the clear cloudess sky shedding over all its lustre. There is a solemu splendour, a mellowness and maturity of heaty thrown over the lamdecape. The wheat crops shine on the hills and slopes, as Wondsrooth expresses it like golden shields cast duwa from the sun. "For the lovers of solitary
rambles, for all who desire to feel the pleasures of a thankful heart, and to participate in the happiness of the simple and the lowly, now is the time to stroll abroad. They will find beauty and enjoyment spread abbudantly before them. They will find the mosers s veepiog down the crops of pale barley, every spiked ear of which, so lately looked up hrarely at the sun, is now bent downwards in a modest and graceful curve, as if abashed at his ardent and incessant gaze. They will find them cutting down the nes tling oats, cach followed by an attendant rustic who gathers the swath into sheaves from the teuder green of the young clover, which commonly s.wn withoats to constitute the future crop, is now showing itself luxuriantly. But it is in the wheat field that all thojo lity and gladness, and picturesqueness of harFrst is concentrated. Wheat is more particularly the food of mai. Barley affords him a wbolesome but much abused potation; the oat is welcome to the bom ly board of the hardy mountaineers, bat wheat is epperlly, and everywhere the " staff of lite." Toreap aid gather it in, every creature of the ham let is assembled. The farmer is in the field, like a rural bing amid his peup'e-the laborer, old or y ung, is there to coliect what he has sown with tuil. and watched in its glowth with pride; the dame his left her wheel aud her shady cottage, and, with sle ve-defended arms, scorns to do less than the best of them; the blooming damel is thete adding her Eunny beanty to that of universal na ure, the boy cuts duwn the stalk which overtups his head; childre oflem among the shocks; abd even the uawalk able infant, sits propt with sbeares, aud plass with the stubble, and

> With all its trined flowers,

Such groups are ofien seen in the wheat field as deserve the immortality of the pencil. There is something too about wheat-harvest whi h carries back the mind. and feasts it with the pleasures of antiquity. The sickle is almust the only inplement which has d scend d ftom the olden time in its pristine simplic-aty-to the present hour neither alteriag is form wor becoming obsole te amid all the fashions and improsemeuts of the world. It is the same now as it wat in those scenes of much beauty which the scripture history without any labored description, often by a single s roke, presents so livingly to the imagiwation, as it was when teuler thoughts passed

> Through the sed heart of Ruth, when siel for heme, She stood in tears amid the alien corn;

When the minstrelking wimdered through the soli tules of liuan or fields reposivg at the feet of Car mel ; or as it fell on a day, that the cbild of the good Shumamite went out to his father to the reapers. "And h" said unto his father, Vy head! my head! And ae said to 2 lud, carry hims to his mother. And
when be had taken him, and brought him to his mother, he sat on her kuces till noon, and then died." 2 Kiugsiv. 18-20,

Let no one say it is not a season of happiness to the toiling peasantiy : I know that it is. In the days of my boybood I have partaken of their harvest labors, and listened to the overflowings of their bear's as they sat amid the sheaves bencath the fine blue sky, or among the rich herbage of some green beadland beneath the shade of trees, white the cool keg plentifully replenished the horn, and sweet after exertion were the contsnts of the harvest-field basket. I know that the poor harvesters are amongst the most thankful contemplaters of the bounty of Providence, though so little of it falls to their share. To them barvest comes as an annual fe stivity. To their healthful frames, the beat of the open fields, which would oppress the languid and relaxed, is but an exhilarating and pleasant glow. The inspiration of the clear sliy above, aud of scenes of plenty arou d them of the very circumstance of their being drawn from several dwellings at this bright season, open their hearts and give a lip to their memories and many an anecdote and histo'y from "the simple anvals ot the puor" are there related, which netd only to passtbrough the mind of a Woodsworth or a Crabbe, to become immortal in their mirth or woe"

The descript:os of harvest work given as above by Mr. Howitt requires cons derable modilication in reference to the conducting of such matters on this contivent. The "cradle" has for a loog time aimost wholly displaced the siokle, and such of late years has been the progress of agricultural m chanics that the reapiag machine is rapidly superseding in former in many districts. In this country it is of the utmost imiortnice to gather the barvest quickly and cheaply; an object which impored machinery only can facilitate. Even in Britain wi hiu the last three or four years the Reaping Wachine has been not only introduced, but successfully and extensively emply yed in seve al counties; and it is evely year making progress. It is a curious fact that we owe the $i$, wention of this valuable implement to a Scotch ciergyman, now living ; and it is generally conceded by the farmer at howe that Bell's Improved Reaper is upen the whole the best Macbine get introduced, although most or all of the more celebrated American m. chines have he! their comparative merits tested by repeated tria's. It must certainly los confessed that these anodern changes wh ch must be aftri all regarded as great improvements, have to scue extent interfered with our early and puetical associat ons in conuection with the scason and work of Harvest. Like the modern Railway, mowing, reaping and thrashing machines sre great innovaters on old and often pleasing associatious and customs, which are destined to yicld to the progress of improvement.

With rega d to the warmer portion of the gear it has been observed that in the three months previous to harrest, there has been more of actual beauty to please the eye, as there has been also greater melody to charm the ear. The loveliness of Sping, "when wheat is green and hawthorn birils appear," when all is fresb, dewy, and brigh', and the hand of man has not get swept array with scythe or sickle, the fair produce of the meadows and felds,--that loveliness is not to be equalled, far less surpassed iny any of the glories of autumn. Sweet y does Bishop Heber describe a journey taken at this most beautiful of searons.
"The thrush from the holly, the lark from the cloud, Their chorus of rapture sung jorial and loud; From the soft vernal sky to the soft grassy ground, There was beauty above us, bedeath and around.
" The mild southern breeze brought a shower from the hill, And yet though it left me all dripping and chill, I felt a new pleasure as onward I sped,
To gaze where the rainbors gleamed broad orerhead.
"Oh ! such be life's journey, and such be our skill, To lose in its blessings the sense of its ill ; Through sunshine and shower, may our progress be even, And our tears add a charm to our progress to Hearen !"
The twelfih of August, when grouse and ptarmgan shooting begins, forms quite an epoch in the life of a sportsman in the old country. And this is the iwelfth of August," says Cbristopber North. "and ail the Highland monniains have since da*n been astir, and thundering to the impetuous sportsman's jogs! Our spizit burns within! Lo! how beautiful those fat travelling no nters lo their work on that blacis monatain's breast, iutarsecting it into parcll lograms, and square's. and circles, and now all ssleen on a sudden, as if fiuzen to death! Higher up among the rocks and cliffsaud stones, we see a stripliog whose ambi ion is to strike the sky with bis forehead, and wet his hair in the minty cloud, pursuing the ptarmigan, now in the:ir viariegated summer dress, sefneven among the unmelted suows. The scene shifts, and high up in the heath above the Linn of Dee, ia the forest of Braemar, the Thane-God bless him-- has staiked the red deer to his lair, and nov lays his unerring rifie at the re.t on the stump of the witches' oak. Never shall Eld deaden our sympathits with the pastinses of our fellow men, any mare than with their highest raptures, tieeir procoundest griefs. Blessings on the head of every true sportsman of flood, or field or fell!"

We are temp ed to give another cxtract from the pen of the same inimitable writer in reference to this joyous season. "At this season of ruture's abundant, we migdt almust persuade ourselves that buman want was a fietion ; see youder line of lusty mowers sweeping down the abundaut crop of pale barley, how vigorous, how checrful their appearance These are not the sous of misery and starraion, tacy
have made acquaintance with barley loug before this, and in a form quie as ccavenial t.) them, whether in the brown loaf or the foaming tanka:d; and now turn to the wheat field, which is still more an attractive scenc. * * * * All is bautiful, all is teuder and touching; and as we walk 1 , the corn field, even now. these glorions old se bes bre again, andstill continue to do so lung as curn grone. An ayerage crop is satisfactury, luta crop th th soars hign above an average-a golden gear of golden ears, sends joy into the hart of heaveu. Lat t'e people eat-let them hive food for th it buli-s, and then they will have a beart to care f.r their son's."

Webave abun'ant resson to feel thansf.l tha bountiful Provideace for the iiberal manner in which the husbandman's la'ors have bera crow ed with saccess in this lighly favoreat portion of the B.iti ll Etopire. Most of the crops will beg. und, eeveral of $t$ em a undant, far more so then there was any reason to expect a monih 'r two ago. Wial a fortnight's fue $\begin{gathered}\text { eather } m \text { ist of the or ps will be satilg }\end{gathered}$ gathered in. How appropriate the l.nes of the Pest of the Seasons:-
"The martest treasares all
Now gathered in beyond the nate of storm:, Sure to the swain; the eircling fence sthut up; And instant win er's utmost rage defied, While loose to Eestive joy, the country round Langhs with the loud sincerity of mirth, Shook to the wind their cares"

Reverting for a moment to the festivitiez whice accompanied te Harvest Home in the chen tine, we may appropriatcly conclude our somewhit ic ula $t$ ry semaks in the words of Tusser, w il the simple observation tbathowever tim saud custom: may cha ge in the course of the different gen rations of mankind, the spirit of kindness,-of wid-embracirg human sympathies, remain for ever the same.
> "Once cuded thy harvest, let none be leguited, Please such as did help thee, matn, womata ami child, Thus doing, with alway such help as they cm, 'fhou wimest the praise of the labouring man."
3.

Noe Wheat for Distmbltion:-At the Agicultural Bureau of the Patent Onice three have: bren received parcels of the curly Noe wheat. in leantifus varieties This five grain was introduced into liance by M. De Nuc. It has been adopted amd sprad. $x-$ teusively through the centre of the conatry nader the name of "blue wheat," is hardy pronncive. and in quality surpasses the well-known Stuman what, which it is fast replacing. I'reference is alon wiver to it on account of its prececity, and acoords b-t:ar with yo. Av an early spran wheat reachiug manmty betore the fly or rust can effect its prugres, it clatlen. es atteation especially in the midule of the Southern States. No time will be iost on t:an-mitting samples of this grain to proper bands in the respective States and Tcratories for tape iments and rejarts.

## Gis oftioulture.

## OSAGE ORANGE HEDGES.

We copy the following from the June number of the Wiseonsin lowa Furmer. The Osage Orunge


We are well aware that considerable projudice exists analust this species of live tence as mot being adapt d to our climute and soil ; and that this prejuder is entertined by many who are supposed to ha e erperrance cmon ${ }^{2}$, in such matters to give their opinions good athoity We bave never felt centain of the value of this ladre-plant untel of late, and have the refore recommeuded a frail of it more as a proper experim -rt, than as a cortain and raluablinverm ni. Now, hotwerer, we have b:come well satisf d that this plant is well suited to the climate sul $s$ on of Wisousin, fows, and we will give our zeaso swhy.

A few weeks since we happened to call at the home of Mr. War Thuesneme, in the city of Janes. ville, and were showia young Osige Drange he dge, thre:: years from the sued, and haviug stood two years in is present position. It had stool uniujured the two last very hard winters-bot one plant in filty havius did diber winter, except where some plats were expose d on the edge of a high wall, with lithe soil to ruard them. The plants were aife to the very bud below where they bad been pruned, whicis witahout twelse to fifteen inchs ehove the from. Il If hise plauts, then, can thas stand two guch winter: and grow thifty and rapidly, they can stand every effect of our chmate. We are well aware that othess have not been so fortunate as Mr Trused -11, but they have not ased the pruniog shear: as liberally as be has. They have attempted to rase walthing-stioks, while he has tried to raise a bedge. They may have been uusuccesflul in their att mpt: ; In has been suce ssful in his You can Euceed as well as he did, if you will do thens:-

There is get time to tran plaut and sow the seed this suason-l!bogh rather late for the former. We are told the last of May is the b-st time for trans-phatans-p.rhap; the Letenes of this-pring will alluw it to ip dout ea ly in Juue, heuce we will give some directions huw to commence :

Prepure the line of your hedge by deep ploughing (trenching with a spade is of cuurse still bitter), three fect, or even four feet wide Set your $p$ ants etither in one row or tro, according to your fancy. If in one, 8 inches apart-If in two, a foot apart, Breaking juints, thus-

The two parallel rows being about 4 or 6 in. apart. Cal down jonr $p$ ants carly in the season (in August) to three bals agetia ia the fall, cut them down, not way pirticular height, but so wat the lateral branches of ons: plant may ioterlace with those of another. and forman imuenertrable $\mathrm{m}_{1}$ se, so that yon canaot thrust your open hand throngh. As the base elose to the pround, becomes dense, allow the plant to rise. sull heremes lateral bracing raning out and inturlaciur. Arter they hare been set two years they will ron up the heiside of an ordinary fence in
 gear mow, a very insumbient fence will, with the ad of tre bedse, he suffient potection; and. in two yours move, you may take away all fence, and leave the hed de as a prutection, that will last bolf a censury.

In pruning down as closelp as we have recommended, yoid lose nothiog. for the upright stems will instuntly grow up to a suffient height for rrotection, and the tops will not be winter killed Remembrr, however, that the line of your hedre is to be k.pt perfectly c'eau and free from weeds. This will require sery little labor after the first yenr. as the plants overshadow the ground too much to allow any great growth of wreds.
Tire Cost.-A g.ntleman in Jenessille, desiroug of forming such a hedee, told Mr. Truesiell th st an offer had beea made him to set out and raise for four years, at seventy five cents per rol. Mr. T. insisted, that by buyiug the plants at four dollars per thousand, and pariog eash for all ile lator, it could be done at twenty five cruts the rod. This may appear low, but by raising the plants from seed, it could certainly be cione for shat sum, if not for less.

If you get the seed, get that that has been raised as far wot thas it can be well ripened. The colder the clim te the send is $\mathrm{r} \cdots \mathrm{i}=\mathrm{ed}$ in, the better it will fit a co d climate; but with close prunine seed will da) well, evea if brought from Texas. Hlant iusmediately.

## RENARRS ON EUDDING AND GRETINS.

Buds shou'd always be set before the stook or bud has ceased $t$, grow for the sedsou. In setting pars in pear stocks, it is important to commence rarlier tian spp'es, as the former do not srow so long as the latter. Plum and cherry stocks also stop growing early, uatess the development is lepht up by stimulating maare, and car-ful tillage. Apple trees, if bealtby and in a good growing condition, may be buddeal late in August. Peach trees continue to grow even longer than apple trees, and it is nevir adrisable to bud them early. In all trees, wheu budded, there should be sufficient sap to canse the bark to peel freely. "f the proper time for performing -his operationia the several kiads of thees above mentioned, the ready pue ing of the batk is the only criterion to be relird ou. In grafting it is frequently necersary for those who are enzayed dateasively is the business, to preserve scions for sume mo ths before the time arrires for ibsertions them. For this punpos-, no maturial bas yet bree disonvered superior to damp sawdust. In regated to its efficiency the editor of the Albany Cultiontor says:
"The mode first suggested to us by T. G Yeomans, of Walworth, N. Y, of preserving the scious of fruit trees in moist sawdust, has proved supericr to auy other. It is better than dainp moss, in the facility with which the scion may be perfectly im':edded in it, leaving no interstices; and it excels moi t saud, it being lighter, more spungs, aud entirely free from a grit which muy iojare a knife. We bave without dilficulty preserred seions. which were cat in tue stumer for buddiug, till the following spring, and inserted them as graís with cutire success; and we have kept wiater ca' grafts till midsummer perfectly frenh, and employed them suce bushel of sawdust will retsin its moisture for many weeks puarly unalter d, but warer must not be apphed too copiou-ly or wat-r soaking and decay will be che result. The north side of a building or a cosl cellar is the best place."
In Kerwich:s Wre on Orchadiny, we have the followiog remarks on Innuculatiag;
"Imoculating is the operation of transferring any desirable pariety of tree upun the stock of a a inferior er will variety. The opration is pilusipally
practised on small trees, and only during the time the anp flows freely, and chiefly during the months of August and September. Select for the buds the ripest young tow of the present year, and cut of the leaves, leaving the footstalk entire. Having se lected a smooth place in the stock, make a propendicular slit downward. quite through the bark, an inch or a litile more in leng/h. Make a cross cut at the top of this slit quite tbrough to the wood, a little slanting downward ; next with the ivory haft of the buddiag knife, raise the bark on both sides from top to bottom. being very careful not to injure in the least the cambinm or sap wood Next and with expedition proceed to take off a bud; this is efficted by entering the knife a little more than half an i.ch below the bud or eye, quite through the bark, and pepora ing the bark from the wood to the same distance above the eye, always leaving a very thin slip of wood of abont one-third of the length of the bud, this thin slip of wood occupies the middle section of its length. The bud is to be inserted in the stock to the bottom of the slit, and betwern the bark and wood ; and the top of the bud being squared even with the cross cut, every part except the eye. is firmly bound and covered with strong wet bass striug or matting."

Deformen Roots.-English farmers are much tronbled with deformed roots, in their culture of carrots, parsnips, and other root crops. They form what are called fingers and toes, instead of the conical and regular shapes usual in successful root-growing. On a large scale this becomes a serions evil. A great amount of discussion has been had in their paper's as to the cause of this difficulty, aad the remedy for it. A late writer in the Agricutural Gazefte s'ates that the difficulty is in the send-growing, and not in the root culture. His remedy is to cut out the central umbel, in seed-growing, and thus distrmute the sap in to the lateral ones, when a healthy seed is proluced. In this way, "fingers and toes" never disturb him. In using the seed of the central and large umbels, he always gets the deformed roots.-Prairie Farmer.

## Cimmmuncations.

(To the Editor of the Canadian Agriculturist.)
Sir,-In the year 1849 I visited the farm of the late John Delafield Esqr. situated on the NorthEastern border of Seneca Lake, one of the most beautiful and the largest of the Lakes of Western New Fork. For order and systematic arrangemer.t in the house and in the field, this stood first acong the farms of the State.

A set of rules was uniform'y shown to laborers before they were indentured, and to which they were required to subscribe. They were somewhat simila: to those given by Loudon, and were conspicuously hung up in the cow-house, the stable, and the barn, A tool room, simple as it may seem, is to seldom seen amorg farm buildings; bere it was a reality. and coutainsd a place for every tool and every tool in its place. Exch laborer had his own spade and shovel, pitch-fork aud scythe, of which be was expected to be proud, because if they were net 'his breve
associates" tbey were at least " the partners of bis toil."
A plan of the farm was kept by its proprictor haring its field divisions subsidiary to an accurate registration of rotation of crops, whetber of four. five, or seven gears. The treatment a field had undergone could thus be seen at a glance, its prospective treatment kept before the view, and the success or its opposite, of its experimental pa ch eavily noted; for the latter was an important object at the Oak'ands and afforded much scope for intell ctual enjogment by the investigation of the results of the application of composts and artificial manures.

Numerous specimens of spear and arrow heads used by the Itidian tribes bave been turned up by the plough in the locality under notice. But the penlogical features of the neigbbourhood are much more iateresting. In the list given beluw there are a few minerals, some unstratified rooks, and several fossils. These were all collected on the farm. and are now deposited in the museum of the New YolkStat, Agricultural Society.
"In crossing a heath" says Paley "suppose I pitch ed my foot against a stone, and never asked bow the stone came to be there; I might possibly answer that for anything I know to the contrary. it had lain there forever: nor would it perbaps be rery easy to show the absurdity of this answer." This reasoning the science of geology readily confutes. Many of the specimens enumerated below contain the petrified remains of forsil animals, and there nust have lived anterior to the formation of the rocks in which they are found.
Different rork formations present themselves in the County of Stneca. In its northern part we fita the Otoudaga salt group of New York geologists, deeply covered with alluvium, and corniferous limestone, distinguisbed from that of Ounadaga by the absence of crinoidal columne. The suil covering these rocks is clayey, but in the neighbourhood of the Oaklauds iv of a more or less luamy character, as it is wore or less mixed with the northern drift. It may also be denominated calcareous. from contaiuing lime liberated by the constant disintegration of frugments of the rock.
The Marcellous shale and the Hamilton group occupy a large portion of the County. Th-se e ntain many fo:sils and produce a calcareous sol. Next come the Tully limestone, Genesee slate and shales of the Portage group.
The groups of rocks bere enumerated belong to the New York system. which is analogous to 'be Silurian system of Murchison, equivaleat to the Transition series of Wenner, and anterior to the old red sandstone and carhoniferous periods.
The following list is in the ordrrin which the
specimens are ar anged in their case. It may app ar'a though planted so lately, as 1849. I beg to in form dry to some of our young parmers, but it was collec- , ou, tbat, to-day I assisted to measure sereral trees ted during the ordinary vecations of a farm laborers, in an orchard belonsing to Mr William Inmphries, life, and mosed a valuable source of rec.eation after his daily toil.

Those named more than once are of different varieties.

1st Shelf-Limastone, feldspar, silex, greenston . orthi-in slate. quartz, tentaculites roestone, or this centriliurata [Hudsoa river group].

2nd Shelf—Granite, ambronychia, trilohite, slate with encribite, [Hudson river group] orthis, caly. mene senaris. tail of trilobite.

3rd Shelf.-Silex, granite, quartz. garnet in quar'z. horastone and orthis, horamblende hydraulic lime with sulph te of magaesia, micaceous quartz, c yatbophy llum basaltiforme, encrinite.

- 4ih Shelf-Conglomerate, feldspar, auzite, pearl spar in limestune, pleuro omaria, cyatbophyllum and atiypa. - recrin.l c lumns and rings.
The ast ar. called Entrochi, or wheel stones, and in the Northern part of England retain the name of St. Cuthbert's beads.
"On a rock hy Lindisfarn
Saint Cuthl) rt sits and toils to frame
The sea-born bedds that bear his name." Marmion.

5th Shelf.-Siliceous limestone with encraites, sandstone , Clin on group) with atraypa hrmisphrica, eyathophyllum strombodes, farosites poly. morpha, egatbophyllum.

6th Shelf-Eucrinital limestone, hornstone, granite. limertone with orthis, micaceous quartz, orthiceres, water lime with calc spar and fluor spar, miagara limestone with corallines, loxomena in Onondaya limestone.

Tth Shelf. Granite, Hudion river sandstone with ortboecras, Onoudaga limestone with criuoid 1 joints gne ss with grnet, lim-stone with shells, limestone With cyathophyllum, leptene in sandstone.
D-scriptions and illus rations of the abore foscils wil be found in the Palaontology of New York $b_{y}$ Prof ssor Hall, to which work I would refer the reader for inform ition.
Quebec 27th July 1855.
A. K.

VIGOROUS APPLE TREES.
(T'o the Editor if the Agrieulturist.) Seymour. June, 2let 1855.
Su:- Haring observed in a late Number of the Joriculturist that seme onr in tbe Unite d States. had received a premium for the size of his apple trees.some of which measure 16 inches in cincumference,
of the Township of Percy, in the County of Northumberland, which were planted in the $S p$ ing of 1850 . We found one to measure full 17-saveral 16 inches A blue plum measured 16 inches. Thesp trees were purchased from an apple-tree pedlar whostated they were grown at Toronto. Thry were, when planted, tbe usual nize of Pedlar's trees, except that Mr. H : picked the smallest, considering them the most likely to thive. Their height areragrs between 14 and 15 fert-the plum is over 15 feet. The branches commence between 5 and 6 feet from the ground Of course theirappearance is unusually healthy. Mr. H. tas simply kept the earth well worked in green crop; and washes the trees occasionally wi'h weak lie. The soil is a rich loam. I am troubling you with this to show how our much abused ciiunate affects fruit trees, if the trees meet with the commonest care -They produced fruit last year; and this year are well loaded. Indeed if I did not know to the contrary, I should consider them of ten years' growth at least.

## I am, Sir, Yours very truly

H. ROWED,

Pres't of the Seymour Ag. Sociefy.
The trees referreã to, were probably gromn at the "Toronto Nursery," so succes-fully managed by ils enterprizing proprietor, Mr. Geo. Leslie.
We set out last spring upwards of fifty trees of Mr: Leslie's choicest varieties of app!es, cherries, plums, puars, de., and only one,-a Bulmar Washington, has failed. They were all well-formed, vigorous trees; and have put forth an abundaut foliage Some of the cherry trees are bearing fruit, the present season.
We have no doubt that hardy fruit-trees will flourish as well, and bear as abundautly on Cad dian soil as any where else on this continent. We hare seen as fine peaches from trees growing in the nei, bhorhood of Toronto, as we have seen in Ne.v York. Tropical plants will not of course, thrive in this latitude, but with cure and good cultivation, we can grow as good fruit as any State in the Uuion.

While speaking of the Toronto Nursery, we may remark, that persons planting out a young orchard should be careful to purcbase their trees of responsible parties. Yankee pedlors have made frequent iuroads into this province with "cheap" aud worthlrss trees,- the extent of the imposition being unLinown until years afterwards. We believe Mr. Leslie dues not "peddle " his trees; but pedlars have pur-chas-d occa-ionally from him to fill out their orders. We would adrise, in all cases, to purchase from a good Niu:sery, direct.


BRAMIIAH FOWLS.

## Moust Plafasant Farm. Clockvilme, Mabison Co., N. Y. June 14, 1850.

My Dear Sir:-I have your kind favour of the 9 th inst., and with much pleasure send you a description or my Prize Brahmas, to accompany their portraits; and perhaps it may not be inappropriate to remark in this connection, that, last season, I kept fourteen distinct breeds of fowls, as I wished to form my own opinion as to the merits of the different variet es. Out of these fourteen varicties, I have selected the Brahmas and Black Spanish for fiture use. Mr. David Ely, of Rochester, N. Y., has very lindly sent me some eggs from his Pheasant coloured Chittegongs. These are large and beautiful birds, but I have not yet tested their excellence. Mr. Ely thiuks they can hardly be excelled.

The colour of iny Prize Brahmas is white, with beautifully pencilled necks, running in very regular black streals, or marks, from their heads nearly to their shoulders; their tails, which are very short, are nearly black; they have two or three black feathers in the tip of the wing, but these do not gaew when the wing is in its natural position. They
are short-legged, compact, heavy fowls, with very full, plump breasts, and are rery fine boned. The rooster is not so distinctly pencilled as the hens are, and his lung feathers have more of a creamy shade.

The two hens weighed in November last, (being spring chicks,) Slbs each; the rooster, a y ear older, l2lbs. They are very docile, are easily confined with a picket fence three feet high, and, in fact, are just the kiud of fomls to become the pet of the farm yard. They are excellent layiss, but I have not yet tested their table qualities, though the half-bred fowls are excellent in this respect.

The portrails sent you are very accurate, being drawn from life by J. R. Page, Esq., of Lemett, N. $Y$., who is unquestionably the best animal delineator in this country. They were engraved by Leadly, Miller \& Mix, of Rochester, N. Y. 'They are very superior fowls of the breed, as may be inferred from the fact that they casily won the first prize at the last Show of the Nen York State Poultry Society, being is compctition with the fowls of most of the oldest and Lest brecders in the State.

If I am successful with my chicks this season, I
will send you a pair from the prize fowls. You can then see their beauty and lest their excellencies and form your own opinion of their merits.

Very respectfully Yours, S. P. Chapman.

## Geo. Beckland, Esq.

[We are olliged io Mr Chapman for his kind offer, aud shall be happy to test for ourselves; although we feel no inclination to impugn, in the slightest degree, either his authority or judgment. We wish Mr. Chapman as equal a measure of success with poultry, as he has achieved in Durhams.]
$-B$

## THE CROPS.-WHEAT FLY, \& C .

(To the Editor of the Canadian Agricullurist)
Dear Sir.-Maving been absut a few weeks on a tour through some of the neighbouring States I find, on my return, the July No. of the $A_{5}$ icultuerist in wh ch is expressed a hope that some of your readers, in the neigburhoust that had suffered from the fly, would gire you come specific statements in reference to the exteat, de, fer jour next rumber. In sending Fru there stat.m nts it is not ro much my olj ct to give you information as to the ext $n t$ of the damage done by the fly. which I am aware must be quite considerable, though perbaps it would be hard to determine the amount, as, I am inclined to thick, the late rains have been farourable to the ibjured fields of wheat, as it is to make some remarks on the different varicties of wheat that are now being sown.

When the spring opened, the prospect was that our wheat crop this year, would exceed that of any former, but as the seasun adrauced. it was in many fields especially those on high or rolling land, observed that the wheat, instead of improving, was wasting away; this, at first, was attributed by some fam. ers, to the efficts of the drought that then prevailed, but it was soon ascertained that the insect' as we sometimes call them, were th:ck in the juints, and mauy fields, that looked well in the spring, were perishing ; but these ravages of the fly, were, almost entir. ly, confined to the red chaff, white wheat, of which unfortunately, there was more sown than of any other variety, as it had long been looked upon as the bust, or most productive kind; but mauy Farmers, in c.nequence of its beiog so liable of late jears to mildew, or rust, had sown earlier rarictier, such as the wild gouse, or 3 eliteranean, white flint, blue stem, aud $p_{1}$ icularly the Sun'e of which, I believe, not aty have suffeed materially from the fly.

The blue stem grows large and lasd straw, and is particularly adapted $t$.) the poorer soils; but the Sun'e grows the least, and, I beli, ve, the hardest; straw, and is, pertaps, a lit.le the carliest variety,
and. const quently, the brst adapted to itich suils, atd in this vicinity is sown to comsilerable extat.
What damage the wearel, or worm in the grain will do this jear has not ak yethe en aseertaiued. but for sereral years past it bas been on the increase; I ast year I had nearly two barrels of worms that went through the sereen into the box, [the crep was thrasked inmediately after harrest ] In many parts of the United States they have ceast dyruriug wheat iu consequence, as I was told, of the rarares of tho wearel, but I saw, while on my late tovi, that in New Jersey and Pembrivasia they have again commenced to grow wheat, to a cousiderable extent, but all of the Mediterau-au varicty, ilarge chaff aud bearded,] which, I wa told was not subject to being troubled by the wearel.

## I remain jours rery sincertly,

P. FISHER.

Port Nelson, 19th July, 1855.
(To the Editur of the Agriculturist)
Dear Sir,-Having been travelling the last fen wenks ibrough different sections of the conntry, and my business leading me to $\cdot$ bserve the growirg crops, perbaps a stort account of my truvels and the prospect of the harvest, may be interesting to sume of y ur readers; and if jou think it werti y of a place in your interestiug papir, you are at libirty to pub lish it.

As the wheat crop is the most important, I shall direct myattertion chiefly to that Through this section, and eastward along the frou*, the winter wheat was more or less injured by the serere winter, but the fine growing summer has, in a measure made up the deficience, and there will be a very fair crop, especially es the sping wheat is unusually heary. Near Toronto, and northward all the way to Lake Simcoe, the whent crup, spring and winter, looks remarkably well. I eaw many fields that were far above the fences, and my curiosity led me in several instances to examine and mea-ure the leight, which I found to be over six fect. It was also very thick and stout, and, in a few instances, bad y down. Taking into account the breadth sown throughcot the country, there must be an abundant harvest, far above the average.

Yet wheat is not the on'y good crop, for all kinds of grain look well, and bid fair to yield abundantly, except Iodian corn, which is backward. Meadows: generally speaking were good.
Perhaps you will allow me to say a word about my business. It w. sthe introduction of the Combined Mowing aud Reaping Machines, which we are manufacturing and spreadiag over the Province as widely as possible, that the public may judge for themselves-the only true way of judging. I ant happy to say that in eresy iu.tance where I have
started them. they have given $p$ rfect sati-faction. In many cases the trials were made in heary lodged olover; and in r ne cast', on Mr. C sspa d's farm, Youge Strect, I slarted one upon a low piece of interval land, where the crop was as heavy as I ever saw it. and all laid down; but still I went through without any stopp ge, did the work well, far begond my own expectatious, and to the surprise of all p esent, who acknowledged they never expected to ste such a machine capable of cut ing crops in that state.

## Yours truly,

DANIEL MASSEY.
Newcastle July 20, 1850.

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## qfitiscdlancons.

## PRESERVATION OF FROIT.

The art of preserving fruits, especially the more perishable lind, such as Raspberries, currants, clerries, dec. is not generally understood or practised as it ought to be. For the last two or three years the plan of preserving the more delicate fruits of the garden by placing them in cans oc tight vessels, expelling the air and scaling them up hermetically, has been extensively practised in the States, and by several persons in this country, with the fullest success. It is found to be far better than the old plan of $d$ ying these fruits. By the old plan we preserve only a portion of the fruit. Dry them ever so carefully, and there escapes with the water some portion of the origival aroma and fisvour of the fruit. Currants aud goosberries have frcquently been preserv. ed by being put into bottles while green, and the bottles afterwards scaled up. Currants bavc been kept in this way twenty years. But it is possible to take the perfectly ripened fruit and preserve it for months and years.
In the first place prepare a suitable number of cans made, of the best tin, to hold the quantity you wish to preserve. It is best to have these cans small,holdlag cnly what will be eaten soon after one has been opened; for it is observable that anything that hasbeen kept preserved from decay by au arrest of na tural laws, for a long time, when restored to the induence of those laws, undergoes chemical changes with great rapidity Let those cans be, say seven or eight inches long and four or five inches in diameter, a hole being left in the cap of one end, an inch perbaps in diameter. The fruit selected should be perfectly ripe aud sound, baving no spots of decay upon it. The softer fruits, such as strawberries, raspberries \&c., had better be crushed, as the air may then be more eatively expelled. Currants, gooberries, cherries, plums, and peaches, may be put in whole. FWen the cans are filled a piece of tin is to be soldered
over the bole in the end, having in it a small hole of the size to admit a pin. The canisters are the $n$ to be placed in boiling water, and so kept uutil the air has ceared to issue from the pia hole. This can be casily kuown by droppiug a drop of wa'er on the hole: if it bubble, then the air is st ll issuiug from the canister; if it does not bubble then the proces is complete, and a drop of solder on this bul. bermetically seals it. If these canisters be now kept in a cool place the fruit will have all the freshness at the end of a year's time that it had when put up.

Almost every family in the summer and fall make what they call their prestrves. To do tbis an amount of sugar is used, equal in weight to the fruit to be preserved. A day's boiling, skimming aud packing, and the thing is done for the time But at sundry times ofterwards, unless the luch is musual, the preserves are "working," and the boiling and skimuiug has to be gone over again.

Now at au expense a trifle only greater than that of making the " preserves., of oue star, a stock of c-nisters is obtained that will last many years, and in which fruit, with no more thouble. can be prestred with all its ubcbanged original flavour upon it ; and this tuo, wheu the work is well done, requiting no subsequent operation.
The following recipe is highly spoken of by those who bave tried it. The prituciple is much the same as that alrea''y recommended:

A laciy sel ds us the following recipe for $p$ eserving fruit through the year,-or a dozen ycar:-with the flavour as rich as if plucked from the $s^{\prime} \mathrm{cm}$ today. In mid April in southera Obio, she fasted on $\mathrm{f}_{\mathrm{l}} \mathrm{e}$ b peaches, cherries plums, pears, \&c., pres. rved in this manner, rendering the luscious peach and fragrant berry, eaten simply with cream and sugar, far preferable to the usual indigestible preparation of fruit cooked so bard in sugar that it is imporsible, from the taste to pame it. The fixed air remuved, and external air excluded, the most perisbable subster ce whlumain unchanged indefuitely. With an air pump fruit may be preserved whole; but here is a process every one can follow:-Prepare your fruit ior cating ; remove the stone aud pare it if necessary, then, in a close vessel, wi:h water to keep it from burning, over the firt-or, which is better whthout water in an oven-give it a scalding hear, which does not couk it, or injure the flavor; then, filling a jur or jug, stop it close or seal it. Koep in a diy, cool place. This labour once performed, you bave a desert always ready -Ohio Furmer.

Raspberby Vinegar. - To every pint of vinegar put three pints of ra-pbitries Let them lie tow her two or three days; then ma-b the w up and put them ia a big to stran. To evely inst. whinstrain d. put a pound of clushed sug $r$ Bnil in twenty miuutes and skim it. Butile it when cold.

## INFORMATION FOR INTENDING EMIGRANTS.

Informatien for Intenang Emigrants of ald Clases to Upper Canada. By Fhinemek Wimmer. Fvq., Commsioner of the Camaia Compary, Toronto: Thompson., dico, 18.5.
This is a fourth edition, revised and much extended of a very useflal publication; ten thousand copies of precious e, itions having been circulated in the United Kirglum. besides a German edition of two thousand cupies. In this small pamphlet a vast deal of the most $r$ centaud reliable iuformarion is brought: together in a cunvenient form, adapted to the wants of intendeng Emi. rauts of all classes It is in short just such a matual or diectory as those who are looking for a home in our shotes required, atd its extensive ci culation in Europe, under the sanction of so respretal) e and iufluential a body as the Gasada Company, canoot fail in being beneficial to the country. It would be well if emigrants had always so trus wot thy a guide as Mr. Widden, whose sctupulous exactnיss and painstaking, evinced in the character and armang-ment of so large a body of facts, are alike creditable to his judgm at and indus try. The free and $\epsilon$ xtensive circulation of information of this kind is one of several ways in which the Company bave benefitted canada. We reguire no puffing, no arts of the ime, to draw attention to the obvious and sulstantial adrantage which this coun try oflers to capita: and industry. All that is uceded is an houest, statement of iudsiputable facts, and this Mr. W.d.r. r has done iu a busicess like and straightfor a ard maneer. We make room for the following extracts from be introduction to th perent dition, althoosh the iufrranation is of course futeuded for Euup aas, or even Americans, more than our own peuple: -
"During the last three years, a combination of circumstances has caused a most extraordinary change in the relative position of everything. The price of land, of labour, of provisions,-in fact, of evergthing, has advanced. 'Ibe inducing causes have, no doubt, been most materially the introduction ol railroads,-the demand for labour arising from them,-the large amount of money disbursed for the worhs, and also brought to this Province for investment,-logether with the high prices ubtained for the past two years' harve ts ; to which must be added the large emigration from Furope, and of setulers from the United States, seekin:g this Province as their adopted home.
"These events cominued to stimulato great progress in our affairs, until the effects of the Russian war acted upon the money market in Enghand, and were more deeply felt in Canada, superinduced upon the very large importations of goods from Europe and the Cinted State, and the great depreciation in the pince of lumber.
"A check was siven to our Ralway Works-and remittances for insestments became limited. No monetary crisis, however, arose from these occur-reaces-they merely caused a suspension in our rapid
adrancement. It the same time, the walthy condition of the farmers, and the great demand for produce, adsanced the prices of their productions, and that of wild land, and of all real estate, and affirmed the substantial position which the Province has aecuived. It may he said we are simply pansing for breath, alter the recent exeitement, and that we are abont recruiting ourselves for a new start in our career; which it is believel will be a more permanent and important one, in its results of positive progress and prosperity, than has hitherto been withessal. But this state of transition throws embarrasment around the desire to give perfect data and unchangeable prices, such as is desired in a work of this deecription ; for a continance of the war, the scarcity of money, and the suspension of our public worts, or bad harvests, maty seriou-ly aftect the data given; on the other hand, a contrary position of those affairs, would place this Province in a most extraordinary state of prosperity. Nor should it be forgotten, that we are about reaping the adrantages of an extended commeree with the United States, through the Reciprocity Act, which camot fail to be of great importance to us.
"The views adopted in Europe, upon railroads, are not applicable to this country. There, railroads are the consequence of the requirements for quick and cheap conveyance of a dense population, and of its manufactures and productions; here, railroads are self-creative of support, by raisiur pupulation,through opening up a new and fertile country, which transmits its productions, in return for the supplies of its wants.
"The effects of railroads upon the prices of prodnce, will probably be, to equaliee them thronshout the Province; whilst it can scarcely be expected they will reduce the cost of living in the towns and purts where the railroads have their temini and depots for exportation and importation. The requisite shipping, the great trade and commeree, combined I will the docks for ship-luilding, and manafactorics, that will necessarily arise, wial induce a consequent increased permanent and transient population, who must be supplied, and can well pay for their wants. Such has been the effect upon the cities of New York and Boston, and other places similarly situated. As to real estate, it must, from the sume causes, be affected in a like mamer, in the towns and ports; whilst farm lands will, in every manner, be greatly benefited by railroads. About five years since, the price per acre for lands in the Genesce county, and other parts of the state of New York, was from $£ 1210 \mathrm{~s}$, to $£ 1810 \mathrm{~s}$; they are now selling at $£ 18$ to $£^{\prime 2} 5$ per acre, including the ordinary farm-buildings; these are cleared lands. but the value of the timber would have been greater than the cost of clearing. The prices of with l:uds, in Cpper Canada, have undergone a very great advance, during the past three years; but, circumstanced as this Prov nce is, and considering its comparitive small amount of population, it will not, perhaps, be taking a too samguine view, if we anticipate, that we shall, in a year or two, approach the prices now paid in the State of New Y ork, for lands in this section of the Province enjoying an equally fertile soil, and having the like facilities of railroad and water communications
"It has been well observed by Professor Tohnson, in a rerent urtiele of the Journal of the Royal Agricultural Nocioty of Englund, on the relations of (ienlogy to ierriculture in North America, that the Peninsula of Upper Camade, encircled by Lakes Ontario, Erie, and Iluron, has a mueh wider expan-ion of thene happily combined soils, which are so eminently distinguished for the growth of the finest quality of wheat, in large aboudance, than even the farfimmed lenere Distriet of the neighbourius State of New lork.
"In this extemsive range of comntry, (bounded by the ereat Lakes, the:e is ahsolutely nu lame that is naturally sterile; ant. probahly, there is no other tract of eqpal area on the North American Continent, so well adapted. from ciacumstances of soil and clinate, to the greneral purposes of agriculture. This interesting rerion has alrealy been materially benefited by the ofening o: the Great Western, and the Ontario, Simeoe, and Inaron Railways; and is rapidly settling ly a persavering and industrious class of people. It will in a few years be the Gar den of Camada, if not of North America.
"It is conidered that the altered position of this Province will much atract the attention of a class of perple poressed of considerable means; who will make C'anala a home for themseles and families. With this virew, some patias has been bestowed upon the ellucational matter,-procured from $t$ e heads of the varinns departments, -and which cannot fail to he of interes to those families contemplating settleme,t in C'amada."

## FISH FOR FOOD.

There is much nourishment in fish, little less than in butcher's meat, weight for weight ; and in effect it may be more murishing, considering that, from its softer fibre, fish is more easily digested. Noreover, I find there is in fisle a substance which does not exist in the flesh of land animats, viz., iodinea substance which moty have a beneficial effect on the health, and tend to prevent the production of scrofulous and tuberculous disease, the latter in the form of puimonary consumption, one of the most cruel and fatal with which civilized society, and the lighly educated and refined, are afficted. Comparative trials prove that, in the majority of fish, the proportion of solid matter-that is, the matter which remains after prrect desiccation, or the expulsion of the aqueous part-is little inferior to that of the several kituds of butcher's meat, game or poultry. And if we give our attention to classes of peoplclassed as to the quality of food they principally subsist on-we find that the icthyophagous class are especially strong, healthy and prolific. In no class than that of fistiers wo we see larger families, handsomer wom:n, or more robust a ad active men, or a greater cermption from the nabalies just aliuded to.-Dr: Dary's Alngler and his Friend.

Sone Teats - - olases is th. Very bes application to heal the cracks iu the tuats of mild cons or th bites of the surking call. Wesh the uider with co:d water befor: $a_{a}$. ISius bemolassers. Nuhing I have ever tried cures so quichly. a lickine cow is frquantly cura by the same remedy, provided the milke. is carian to keep short finger nails.

## CISTERN BUILDING.

A good Cisteru is an essential appendagr to every Farm Honec. The mode of buildin $r$ is various. We find the following directious in an exch.nge paper:-
 muter. and iscavate to the death. If omit to 10 inches tenviag the sur fac-lecel, then within his strike another ercle some $5!/ 2$ or 6 fre in dain ter, and excavale to the proper depth leaviog the dimeter at the buttom somewhat luss than the top: m viag the sides as smooth as pussible to receive the cement.

Now with 300 o 400 of what iv t. amed had bricks, form an arch or dome over the eivern ins ead of covering in the old vay with timber; tlis can b- done by laving down the fi st culuse of bricks and to end on a lager of mortar that is somewhat thicker at the outer than the inner edge, so as to elevate the outer edges a little; now lay the second contee with very litile mort-r between the inu-r dgy of the bricts, and considerable between he outer edzes so that the latier course sball have a gronter inclination than the form $r$ by about balf an ineh; contune on in this way until the bricks bave at aint an inelination of about 4 a degres ; now reverse the ordne of laying them. puttines very little mort $r$ be w.en the outer, and considerable between the inuer edgs, until they cone to lie level ; the thiur must be so masaged as to leate an ap reture at the tup surfie paty large to adm t a muto clean the cirer.. (abuit 1.1 to 20 incter.) The month should ber somerbit ele ated, so as to bank up safficiontly to plaser the a me below th. action of the frost, the do:n. must b : covered with ement both inside and outside.
My estern was plastered on the bink. whech I think prefirable when the earth is suffici uth tenacjous; one barrel of cement lime was us d. Proportoo. for first cost - 2 parts rather c ats- sa $d$, avd 1 of of ime ; for second cuat, equa partw of lime and tine sand. My cistern has berea bu.t 6 g.ars, and there is no reason appart nt why it should not endure for ages. a waste pipe sbould be iuserted near the tore, to discharge sur lus wa er.

To Destroy Cavada Thistife-A Correspondent of the Rural New Yo.ker says-lt is well known to many famers that plowing will destroy (an ada thistles though there is sobse differenve in the mode of op-ration. Wost; enerally the ground is plowed fou: or five tim shain? the summer, which will nearly or quite exterminate them, but my treatment of chese custom. is 1 thiuk better $\checkmark i l l$. F ve years ag. Ip ic asela f.rm un which were a number of pace es of Cunsia:h stles. On one fich of s.x acres they were f.um $t \cdot 0$ to four leet hish, and so tath that n. iseer gress nor anything el e cou $t$ grow witn them. Anout tre end of Jatw I harrowed d wn the this $\cdot$ is saul, 1 wed them uniler an's the fist week in July piewed the field cyain and sowed o buck-rheat.- Ha w.oted a good crop and some bist es; thras e th: burk neat on the lot, and burat $t$ e straw and chaff. I ticated this liel 4 in like manner to three y-ars in succe-sion, sedin: down w th clover and limully the 1 st year, and have com,letelye adicated the bistles By soming the busk wheat. tee fa wer wiln conly be remuveratid $f r$ b.s labure, but the $r$. is no kind of crop $=0$ god a- this to tree he hand $r$ un da sies. histles, and aber 11 xtous wects. Tu subdur. (rathes growing in co ner, o' fenes and a on hilluwas, mow them off in the old of the moon, Da'ch rule, in July
 minated many patches in this way.

## Farmer Pennywise and Farmer Poundwise.

There is a Farmer Pennewise with whom I am acquainted, who will occasimally raise a good brifur steer or colt fir 1 is nei hhors who keep yond b.reeds. and he is lig accident oce sionally benetited therely When be has such an animal in his fook, to is ap pareatly unerg until it is disposed of ; and aft. $r$ silliut such antamal. as a beiler for instane sou may hear so selhing tike the following.
"Well, my dear. I have sodd the hig heifir for fifteen colars; is that weta good price tor a heiter of her age?"
"Good priee indecd!" his wife wr uld reply. " sou had beiter hate sold two of them cathmumed, c:ooked lexzed. scrawny things that, ou alw as keep for cons. Ther rason that our catule olve.g: hook sobat. and that we sedl so lit l- battre and cheese is, that you always sell the best heilers."

Poor womm! Ip tg ber; her prode and ambition are injur d, her children and solf in rags, beauce her mative innluctry and economy are cramped by the fooliss and higeratdy poliey of her husband.
The picture is reversed in farmer Pound wise, who always $k$ eps his best animals until full grown; then selecting his best breedres for his own use, hsells the rest. It he had a good joung horse, he will say that he. will wake a line team horse; a mare sbe wil make that bood mare.
"Asd whit, will you do with that ?" says his neighbur, f wiatitg to an ordinary animal.
"Betwewa you hull," sags he, "I shall sell that, colt the fires chace. Such an animal apoils he louks of all the rest and will wot pay for biskecpiog."
Thus he will sell his poor steers, heifers, sberp. and pigs at the tisstotfer. If not sold, he weald fatten those that would pay the expeuse, and give away tbose that would not. Not piy the expense of fatiening! Are tivere any cattle, sheep or hois that will not fay the expense of fatening? -Readers, ta e coin of each-the real Pbaraoh breed-feed th m unil fat ; betp an wact account of the expense, and you can abswer this question youse f. In this way Fum r Pourdwise alwayn has valuable stuck; hi- steres are ready sale, atd comma a a good price; bis horses are the best in the neighborbond, and the first t., the looked at by purchayers. So with ull the animals he raies. Penogrise, on the contrars, is thronsed with an ill-chaped, worthless stock, tbat none will buy or pay the expense of raisin: which are contisurilly tating out his substance aud naking no return. Thus Pennywise drags on a miserable life in the road to ruin, while Pounduise moves easily and hypily along in the road to wealth.-Maine Farmer.

Tomato Phe brve--Tafe the round yellow variety as suon as ipe, scald and pe 1 ; then to seven pounds of tomitues add $s \in v e n$ poateds of white sugar. and let them sasd over night. Take the tom-ioes out of the suzir a d boil the sgrup, lemoving the scum: - Put in the 1 mato s, and boil gratly fifter.in or twenty minutes; remore the fruit agrain and boil until the syrap $t$ ickens. On cooling pat the fruit into jars and pour thesyup over it. .and add a few slices of I mon to cach jar, and gou will bare something to plasis the tate of the most fastidious.
To Blesicn Stratw-Staw mey be bleach d hy potting it ina a-h ino which a few bimstone matches are plated lizinted. The some eff et may te pooduced hy d phing the straw intu chloride of hime disolved in water.

## WASHING DISHES.

In cloaring the tahle se, ape all the phater as clean as posible and pile the, the larese at the bottom, and set them in burnlar rank amd the aomod the borders of the siok or tahbe. L'ut the knives and forls in a mus or pither, with the water just up to the handmes. Arrame the rupe and sanere near the dish-tuh, with the spoons atill all silser artieles in a trav togethor. Place the women dinhes loy themselves. Have two wooden dish-thlos, painted on the outside, but not on the inside. Some people hee milk pans or hread trays for washine dishes; hat this is deceidedre fithy: The di-h-tuh, should be used for no other than its appropriate purpose, and there chonld he one tire wathine the diburs and one for risinur them. Some perophe fill he dish-tub with water when the hegina and rool it to the possibility of holding their hambs in it, so hefore they are hall through it is covered with a coat of grease and unfit to wash a pire's tronch.

It is better to take a little water at first, and make a grood suds, and keep adding as it conls, hoth hot water and soap. Wash tle spoons, and silver articies, of all hinds, and glass, before anything elee is put into the water, and wipe them on a towel which is never used for anything the. Nixt in order come the eovers and such cathern artiches as are comparatively clean. Thon the kuises, whith should have been previonsly wiped ont of the water in which they were first immered. Then phates, and meat and reget.able dishes. By this time an entire new water is necded, for tin and iron ves. ds, and especially wooden ones need a water as clean as for silver. Esery towel should be thoronglily washed in suds and scalded after being once used, and the dish-tubs should go through the same process. And I have rashed distes after this fathon weeks and months and years, without a trace of the "menial labours upon my hands!

All the articles in the castor, and the salt-cellars sionld be nashed and filled anew once atweek. And where oil hamps are used, they should he thoroughly clemsed as often as once a-month, clee the oil forms a glue upon the inside and upon the wick that prevents a clear light. Milk-pans and cream-pots, and every thing in which milk is seft, should be thoronghly scalded every morning, and nothing but milk slould cver soil their bright faces.
'ica pots and coffee-pots should be rined in clear hot water and dried, every using. Some rub all the silver in daily use with soft deer-slin, after washing, and this keeps it rery bright. I have a qreat aversion to scouring linives, and never touch brick dust if I can help it; hat if their brirhtuess depends on me, I prefer to rub them three tines a day rather than onee, for it is less labour, and hey hast longer.

Minnie Myrtie.

Nutrivest of Onions.-Pıof. Jirnson gives his opin ion io favor of ontons as at 以 ry hutribigus vegetable, and fir lahomiag men wi berong di_estive powers quite he thay. It is not motely its a relish that ontons ure used so largely liy many p ople but becanse they give s'renyth as wel' as a satiefaction of afpetite. Prof. Jounzon ranks ohio,: Ho yout of nutriment with peas.

## IT CAN'T BE HELPED.

"Can't be helped." is one of the thousand convenient phasise, w th which men cheat and deceive themedves. It is one on which the helpless and itle take relinge es the last and only combiorit cant be helped." Your enerretic man is for helping everything. If he sees an evil, and clearly discerns its callis, he is for taking steps forthwith to remove it lfe busies himselfwih ways and means, devises practical phans and methods, and win not let the word rest until he bas done something in a remedial way. The indolent man spares himself the trouble. He will not budge. Fa sits with I is arms folded. and is always ready with his unvarying observation, "It catic be helped," as anch as to say-. If it is, it . ught to be, and we need not bestir ourselven to aller it," Wish your face you dirts little school boy: yon are vile, and repulsive, and vicions, hy reason of vour neglect of cleanhness. "It cant he helped." ar away your refuse, sweep your streets, eleanse your drains and gutlers, purify your amosphree, jou intolent corpor..tions, for the cholera is comine "It can't be helped!" Enocate your children, man them up in rituous habits, teach thena to be industrions, obedient, frugal andthoughtial, you thonghules communities, for they are now growing up, ricious, ignorant and careless, a sonrce of future peril to the nation. "It can't be helped." But it exu be helped. Diery evil cam be abated, every mis wee got rid of, every ahomination swept away; thourh this will never be done by the "Cait-he-helped" penple. Nan is not helpless, but can hoth help himselt and help others. He can act indritiuatly and mitedly against wrong amd evil. lie has the power to abate and eventaally to uproot them. But, alas! the greatest obstade of all in the way of such beneficial acion, is the feeling and disposition out of which arises une mis 'rable, and idle ejaculation of "lt can't be helped."

## CHEAP SOAP.

A correspondent of the "Southern Bamer" gives the following ree pe for soap-making, and adds, that it would be worth a thousa.d pounds in the haide of a seltish person, opl the world would have to uatie the pure strins to get at it, but here it is free gra is:

| Four po: inds of lard - - - . - - - 50 Onc-lourth pound of rosin - . . . . 25 |  |
| :---: | :---: |
|  |  |
|  |  |

All amounting to - - - - - - $\$ 150$
Beat ap thr roith, mix all tog ther well, and set aside foe five days, then put the whole into at ten gatIon cask of warin water and stir twice a day tor ten days. at the expinaion of wheh time, or sooner, you will have one handred pounds of excellent soap for one dollar and a half.

Courmanas of Lame.- la our intercourse one with another, here ar many little ways which we may assume without imputation of litaleness or fopporb. ness. A amile, a cordial bow, au e mestuess of mamner in addressing; a friend or more expecially a
 ensure a correpominar phasautnese, even from the. ill-temperad. Tha w would be bue a melancholy word if all the coutsore of life were distemeded and a sulky, inis:abre kind of staightforwardness adepted.

## HOUSEHOLD MEASURES.

As all families are not proviried with scales and weights relerring to ingredients in common use by every housewife, the followits may be aseful:-

Wheat flour, one pound is one quart.
Indian meal, one pound two ounces is one quart. Butter, when soft, one pound oue ounce is one quart.

Loar sugar, one pound is one quart.
White sugar, powdered, one pound one ounce is one quart.

Best brown sugar, one pound two ounces is one quart.

Eygs, average size, ten earg; are one pound.
Sixteen large table-spoonfuis we bailf a pint, eight are oue gill, four half a gill, de.

Nutmitive Quabities of Mak-In the Medical (?onvention, lately in session at Philadelphia, J)r. N. S. Davis, of Chicago, pesented a report on the mutritive qualities of milk, and aho on the question whether there is nots me mode by which the nutritive constituents of milk can be preserved in their purity and sweetness, and furnished to the :uhabitof cities in such quantities as to supere he the nresent defective and often unwholesome modes of supg ply. The report says that when raimouds were oprened into the interior of the conntry it was said that mik would te furnished to the residents of cisies in the purity that was found on farms, but a sulficient time has chapsed to demonsmate that such is not the case. The conveyance of the mall from the fa m to the cars, the transit on the milway, and the time lost in its delivery through ont the citg, it was clearly shown, had the effect of making it unfit for the nourishment of a child. I ming the past hall century, experiments had been made with a view of preserving milk in its pure state; yet it was but recently that a discovery was made. by a genleman in New Tork, which was to cvaporate the water and mix with it white sugrar, which rendered it what is termed solidified milk. In his practice he had used this improved will for the nowrishment of infants with the most gratifying results. and after having kept it for three months; and he knew of its having been kept welve months without any in jury to its qualities.
Anple Remedes - Cott a woul, wet with sweet oil and pareguric, selieves tie car ache vey sur $n$.
Bl . $k$ or a re a ter se ped in oili g milk and swees ning with louf sug $r$, is ase 1 at for the dyse. tery.

A good quan'ity of old checse is one of the best $t$ ings $0 \times 11$ when di tresed b. eat ug foo much trui, or oppressed with any kind of h,oul lhgsicians bave xiven it in cases f ferea dangre.

Mack"rries are xtremely use uli case of dysent. ry to wat he b rries s veey lealtu y lia made of the roots and haves is pro benctic al, and a syrap mase of the berres is still better.

Whorthourare commonaly clom 'neklobries,
 to eal and swe tened, they a e very thon fiei.al when the ey ec. is in a restacted state, and the d gestive punes cut utader.

The five and Honey Bee. The Rev. L. S. Langstroth ew.iter of sume note on Bees, says Many $p$ rions have not the -lightest idea that $v y$ thinge may the sern that takes place io a bechive But hises have for many geas been in bee, cun-aning only one large cumb, enclosed ou buth sides b glass. Thes hives ate dakened by sbutters, and Fhen opind, the quern is exposed to observation as well a a 1 the oterer bees. Wi bin the last two years, I hevedecovered that wita proper precantions. colomies call b.e thade to work in uberring hiven, w thout shutters, and expoeid contunally is the fu'l zerit of day; ; so that ubservations may be made tall idus. whout in the leat internapt ner the ordinary operatioms of the bees. By the aid of such hiv s. some of the nost inteligent citiz ws of Philadelphia bave seen in my Apiary, the queen bee depositiug hur egori., the cells, and constamly sur rounded by an offectionate cincle of her decoted children. They haveralso wimpssed, with astonish$\mathrm{m} \cdots \mathrm{t}$ and deloght, all the steps in the mystorions pro cess of rai-ing queens frome eggs w ich with the 1.5 dinury dev. l.phent, would have produced ouly the common be-s For more tha thee montis, there was not a day in which some of my colvites were not ensases in makins new queeus to supply the place of hose taken trum them, and I had the pleasure of exhibating all the facts to the kerpes "who never b tore if it willing o credit them Asallmy hives are -0 made that eith comb can'e taku ont, and examined at $\mu \mathrm{l}$ asure, thase who use th-a. can obtain trom $t$ em all the: information which they nerd. and, ure no longer forced to take auy thmy upon trust.

Loss of Stock in Ohto.-The losses of she $p$ and cattle trom lan vation have beea vary exreasive thro :ghout the nurtheasti, in Secrion of Ohio Masy a thoui-ua-ter h.s lust trom 200 to 500 sheep, while dairyme : ave lost fio.n 31) to 40 co as each, in sour luc.li es. In a mumber of connties the $1 . \mathrm{se}$ e were very ge ieral, an lit will require yoars fir so e tarm ers to recover from the damare sustained in conse quence of the severe drouth of last senson, and the hard winter wh ch fullowed. It is estimated that in the section nitin d-s.ay one fourth of the state luil two thirds of the streep, and one half the catte have. died during the win er, a loss which is very large in the aggretrate, and must greatly afiect the iuterestof th- larmers, aud the prosperity of that portion of the St te.

Hemes or Thye Fence.-Efforts to establich a permanent hodge of various plants in Eugrand with so much success, have friled in the dry, hot climate of the Uiited States. Numerons plants, indigenous to our conntry, have also been tried with no better success, until Professor J. B. Turner, of lllinois College, introduced the Osage orange from the wilds of lexas. Mis suceess has induced other farmers upon the westeru prairies, and al o in the timbered portions of the country to make trial of this plant for hedgiog parposes. These experiments have establi-hed beyond a doubt the perfect adaptation of this plant to the purpose of live-fence in our climate. Owing to its peculiar growth, both root and branch. it is not affected by the heve and drought of our summers, as the tap rooted plante are which form the beautiful hedges of Eng and. A tew weehs ince the editor of the Lonisv 1l: Joumal visited the farm of Mr. James McGrew, of Mfontsome y county. Ohio, for the purpose of examining a most perfect specimen of this hedige. The planthave been set four years, and the bedge is now so compact and broad at the ground that neither fowl nor pirs can pass it, and so high to at the most unruly auinal would not attempt to jump it.

Tue Bevmrades we Invese- - hifused beverapes are drunk hot. fermented drink are usualig taken cold The love of such marm drink a prevai's almost universally. In froze Labrador a d sobny Rasia, the cimale m ght acioun fis this predicion ; but the craviug es really de-pres $s$ ated. The practice mevate egutly in tropical and in arenic regions. In Central Anenica the hadam of native boo . and the reve of mixed Ea opean rece iming alike in their ancient choculare. In ou hern Amenca the t. a of Paruquat is an almost uniursal b verage. The native Nurth-Antican tribs have aber Ap dachian tea their Osw. g, tea beir Labrador $t$ a. and mang others. From Florida to Georgia in the United States, and all uver the W.st India shands, the naturat is d European races $s p$ their coller ; while our the Northern Stat.s of the Union. ans in the the Brateh prosinces, the teas of Cuins is in cotistant and dily use Ail Europe. too. has chosen its prevailine beverage. Spansand laty delght in chocoI we: Fratuce and Gromany and suet-mand Torkey, in oblfe: Russia, Holland, aud Legland in tea: white poor Ireland makes its warm dil.ik of the buaks of th cocoa, the remse of th. chocelate mills of Italy ard Spain All daia cels the sume want and in different ways ha loug eraifi dit. C.flee, indige-- ous in Arabia or the a joining coumeries, has fol1 wo the banner of the prophet, wher. Wer in Asia or Africa hi f.alee fa: th has crimmphed Tea, a uatre of Chin... hasspre ad spontanevaly over ibe.b 11 country of the Hima!a!as. the tahbe lames of Tartary and the whins of Siteria-hax climbd the Altois, overspread all Ruseia, and is equally despotic 1 How Mow as in Is Pet. rsburg. Ia Sumatr, the coflee leaf yields the avourite teas of the dark sbi, ied $p$, ulation, whate Central Africa boarts of the Ahystuian chaat as the migenous wam dink of its Bthiopian people Everswhere unimoxicating and nonarcotic b $\cdot \mathbf{v}$ - agages are in general uee, among tibes o' arery colour, beneath every sun, and eriry condition of 1tie. The custom, ther fore, must meet, so a e uiversul want of our poor haman harare pofessor J,hnst n's Chemist $y$ of Common Life.

Tungel Under the Niagala Riven-Wiliam Wathace the distmgushed railrod ed di.er, whis h s been promine $t$ in railroad enterprises in Western New York, has su mitt da project for - Huncli gr the Niagara at Butato, fer raihuad and o her puiposes. Tre work is 1 feasible one, and in view of the increased comm reial and gene al busin-e-s iclation-between the Unit d Siate and Can da, ab important one. It is moposed t . Tie at the t rm-nation of the Buiffitu and Brant'o.d railwa.. In bugland railroad tu.n. $\mathrm{hang}_{\mathrm{g}}$ is a m.tter of common occurre ce. The Kilsoy Punnel, on the Low on and Bumingham railway, is - ver a mile and half u leanth. Ther are eight tunn-ls on the aucbe ter and Leeds railwny, in a di-tance of sixty miles, one of these at the surumit, beius ne mileaud five cighths in leagth. Oa the L.verpuel md Hanches:er ilload there are thre e tunump; one of them is six busaud ix bunded feet long The Abbot Cl in tumel is six thousand six bundred aud nine teet rong, and bet. ween Manclester and Hadder-ti ld there is a thanel th oug', Bhekstone ledge wree mites long.

Tue lower of Love-Love is $t_{1}$. Spring and spirit of tal universe. Thank Ged. it is uotwith8 undus oir depravity. the sironges force in our aratare. It ure to as into hife; in lts watmene sees we spend the chilihood of our days, and through each nee ssive period to th grave, it appears to us int a toun-and ang 1 forms, southing us with its tender wo d., blessing us with its gifts. and bighteming our path with its smules.-Lilcrary Journal.

Cirmevee of Ambare Spimms.-In the arduar of this cra-ale asain-b fermented liquors, st tement: have bee a made hy over a calous champions of total abstinenco, wathate the gat te boras out by chemi cal and physolugical reectrches. Ardent spirts of every vari. y are liule else than aleohol diluted with a large propontion of watir, and havoured with a minute allanxture of volatile vil, the preciee action of whach upou thesystem is not kuown They comtain none, there'ore, of the common forms of matri tive mather whele exis in our usual varieties of ani mal and vegetabe foud. It does not follow from this, how ver, as some have too broady allegr d, that they are incap ble of serving any useful parpose in the animal ecolnomg. On the contrary, it is ascertained of ardent spicits-First, that. they directly Warm the bedy atd by the changes they undergo in the blood, supply a portion of that cabonice acid and watery vapour which, as a necessity of life, are constantly being ; iven off by the lungs They so far, therefore. supply the place of food, of the fat aud starch for example, which we usually eat. H-nce a schuapps, in Genm my. with a slice of lean dried meat, make a mixiut like that of the starch and glaten in our bread, which is capable of feeding the body. So we cither add slleat to milk, or take spirits a ong with is (old mens milk), for the purpose of adjustiug the proportious of the ingredients wore suitably to the constitution or to the circumstances in which it is to be consumed. Second, Tbat they diminish the absolute amount of mater nasually given of by the lungs aud hidueys. Thy thus lessen, as tra and conte do. the natural wante of the fat and tissues, and they necessarn y diminish, in an equal degree, the quautity oi ordinary food which is necessary to kep up the weis fit of the bealy. In other words, they have the property of making a given weight oi food go furtber in suriainiug the bulk of the body. Aud, in addution to the saving of material thus effected, they ease and lighten the labour of the digestive or gans, which, when the stomach is weak, is often a most valuabla: result. Hence, fermentid liquors, if otherwise suitable to the constitution, excercise a bencficial i fluence upon old people, and other weakly persons woose fat and tisues have begun to wasta, in whom the prosess of digestion, that is, does not replace the tisines as fast as they uaturally waste.Chemistry of Common Life.
Clarifing Maple Sug.ar.-A Vermont farmer says the following is a sure method of clavifying maple sugar. Filter all your sap before boiling, through a hopper or box of sand, which will take out, not only the stains derived from leaves, tuls, crumbs of bark, but all other coloring matter that can prevent he sugar from being pure white. We doubt whether sand can remove the coloriug matter of the sugar, but the method is simple, and it will cost little to try it.
Evarisu Guwowner.-On first straying amidst the Syrian bills with a guu in my land, I was puziee. by the manntr in which I was frequently accosted by the people. Sume times a man would run towards me, and suspecting very naturally that I understood a little Arabic, he would carnestly repeat the one word baroot (gunpowder). Imagining Le asked if I came from benrout, I answered etwa (yes), which, of course, caused him to expect he was about to receive some of the coveted conmodity. There are no words that one sooner learns in Syria than baroot and ush [powder and shot], aud even the smallest quantity of our fanely-gromod "cauister" is much desired to prime the firelochs, the Arab powder being generally as large, and sometiues larger in the grain than wheat--Jomnal of Eastcon Zavel in LIogg's Mnstructor.

Wasinag Winnows - A correspondent of the American Agriculturist gives the fullowiar improved mode of washing windows, which. although not new to us, may be valuable to many of our readers:-
"The nicest article for washing windows is deer" skin. as no particles come off to adhere to the glasy and make jt look as if washed with feathers. There is no need of ary thing larger than a hand basio for washing windows. The great pplabing ome people make in the exercise of their art is entirely useless. and is, moreover deleterious When the water is primitted to run down in great quantities upon the giass, it discolves the putty and soon looseas the panes from their setting and also sthins the glass. Two pieces of nice wash leather and a bowl of suds are all that a e necessary. Wipe the glats first with the wet cloth or leather, and after it has become dry, with the clean cloth, and it will look clear, and far more so than if rinsed iu a doz:n p cils of water."
Taste of Turnips an Betrer.- 1 correspondent at P'biladelphia writes as that he had abandoned the use of turnips as feed for milch coss on account of the disarrecable taste imparted to the milk and butter. II: mot with the following casy method of removing this objection, and has practised it for five years with perfect succes, both with common flat turnips and with ruta bagas :-slice the tumips 12 hours before they are wanted, put them in a heap or basket, and sprinkle over them a slight coating of fine salt. After they have lain in a heap 12 hours, mix them well together and give to the cows.-Comentry Gentleman.
Re-chuning Burter.-The neighbours of a certain iady in the Fourth District of New Orleans, have recently discovered something that has seemed a miracle, for nonths past. They fore the lady had but one cow, says the Crescent, and they knew also, that the lady's two little negroes peddhed as much Creole butter daily as could be produced by half a dozen common cows. Inquisition got so high on the subject at last, that the lady has let out the secret, and in its travels it has reached us. She told a friend that her cow was only a common cow, and lid not produce any butter, but yielded milk enough in which to re-churn any quantity of strong Goshen butter, which she buys by wholesale at the groceries, and converts by the said re-churning in new milk, to that pale sweet delicacy, known as Cicole butter, which always commands the bighest of prices. She added also, that by this process she had made a clear profit, since June last, of twelve handred dollars! One cow is not much, but one cow and Yankee ingenuity together are considerable. Uur authority in this matter is indisputable, and the speculation is worth imitating.-Petersburgh Express.

## I:imin Ligut Biscuit.-A quart of Indian m+al

 a pint of sittod wheat flour ; a very smill teaspoonful of salt; three pints of milis; four eggs.Sift the Indian and wheat meal into a pan, and add the salt. Mix them well. Brat the whites and yolks of the eggs eeparately. The yoik must be beaten until very thick and smooth; the whites to a stiff froth that will stand alone of itself. Then stir the yolks gradually. [ $\Omega$ little at a time] into the milk Add by degrees the meal. Lastly, stir iu the beaten white of egg, and give the whole a long and hard stirring. Butter $a_{\text {suf }}$ suficient number of cups, or amall deep tins-nearly fill them with the bater. Set them immediatcly into a lot oven, and bake them fast. Turn them out of the cupe. Sind them warm to table, pull them open, and eat them with butter.
They will puftup finely, if at the last you stir in a level tea-spoonful of soda, melted in a little warm water.-Extract.

Whutewnan for Octhouses axim Fexces-IV. find the following in some of the agricultural pap rs. credited to the Neientifl: Americun. Credit should have burn given to "Duwning's Country Ifuases," from which it is taken:-

As this is the s.asion of the rear when considerable whot wathing is pet formed, and as we have hern inquired of fir a 5 ond whtewashiag re ceipt by numbers of nes sutser bers who bave not real our teceipt in a former rolume. we present it again. knowing that a good stury is never tae norse to b: twice tuld :-

Take a clean barrel that will hold water. Put in to it half a bu-hel of quicklime. and shack it hy pouring over it boil-ur water sulficient to cover it over four or fire itwere dep and stirring it until slacked. When quite slacked disoolve it in water, and add two punn's of sulphate of zine and one of commou salt. Wh ch may ber bad at any of the duygists, and which in a to w days will cause the white wash to haden on the weod-work. Add sufficient water to bring it to the consistency of hick white wash.
To miki hie abowe wash of a pleasant cream color, add 3 lls yr llow o hre:

For fawis color, and 4 lbs . umber, 1 lb . Indian red, and 111 . $1 \cdot \mathrm{~m}^{1}$ hack.
For grey or st.m-; culor, add 4 lbs. raw umber, and 2 los. lamplack.

The color muy he put on with a common whitewash brush anil will be found much more durable than commen whitewash.

Fold spivisi Proverbs - What the fool dons in the cund. the $w$ se $m$ an does in the bepiming. -Vul taire de find a phys ci on asan nufor tunt te $\mathfrak{y}$ en leman. expecter - vis das to pr form a miracle namely. to reconcile her h wih intemperance. The most insignificiant peop e re the most apt to sneer a ollers ; they are s.feriom " prisals. and bare no hape of , ising in their owa ente $m$ but in lowe riug ther neighbours. - fill vee -tauds upan a precip:ce; to eneqge in any simful cours: is to run down the hill ; if we once let loue the premities of our nature we can not gather in he 1 insamd goven them as we phase, it is much ensier not to begin a bad course then to etop when begun.
To Make Johwiy rake - Having used the follow ing recoip fr making Jonnny Cate, we consider it. excelle t. and worthy an insertion:-1 pint meal; 1 piut flour ; 1 piut sweet mills; 2 eggs ; 16 tea cup sugar ; 2 o asponfuls cream tartry; tranpomful sup $c$ suda. Stir be cream tartar in the four, ated the soda in the milk Bake in tius in a quick oven. -S. S., Melle: Ohio.

Mowng Machines vs. Scyties - Now let us compare a little, the two modes of cutting grass. Tay laborers, hired at $\$ 1$ per day, will probably mow in medum gatas $1!2$ acres to the baud; that is. it will cost 55 or 56 to now 8 acres, and 25 cents ach hand for bo arding will lie $\$ 1,50$ more, which, added to $\$ 1.50$ uakes 57 for mowing 8 acres. Now hire a man with a spar of borses and a machine to cut the 8 acres, at 50 ces per acre, and he will cut it in a day - $\$ 4,40$, and $\$ 1.9 \cdot$ more will pay their boading. making in all 55.100 , and the grass aill be spread better for curing than a man will spread it after the 5 hands, which, in thre estimate, will make $\$ 3,00$ adrantage to the moxer. At that rate, the machine will phy for iteelf in 40 days' mowiag, besider saving so much hard labor.-Jos. Mosukr, $2 n$ Ohio F'armer.
(Exiturial ?loticss.
To Correspoviexts - We rigret to state that the letters of one or two correepuden's, hel particuarly one on tha suljeet of w:burnt Brick Mouses hare been m'slaid o lust. It , me fitind, the writer of the last, thiaks the matter of his communication $o^{\circ}$ sufficient mportance to re prolues it, we shall be bappy to insert it next moath. Mr. Farme © cummonication on the suly ct of the di-pure berween the Ingr rool Branch Agricultual Suciety, and the County of Oaford S ciety was, by nistake, not fut in type until the forms were ready for press. It will apprar next month. Mr. June's remaths on Estawberries, will reccive atlention in oar next.

## DEVON HERD BOOK.

We bong to inform our ra alers that a parcel of these Books are now at our office, and copies c:m be sent, to those who wish them, on application. The price is 55 . See the adverti-ement.

## IMPORTATION OF SHORT HORİ̃ INTO CAITADA.

We are informed that Mr. Geo. Kobson of London, C. W., has recently purelased some very fiue animals trom the exe lent and well known berd of Wr. L. P. Chapman. of Clarkville, Madion Cobn'y, N. Y. Two Heifars, Fashian 2d, and Fasiio n 3l, are descendants from Mr Vaii's cell br ted milhing frmily of short hores; the "Wetly" Fa-hion 3d, has brought a beantiful rom bull calf. Fashiou 21 is a very superior milker. Mr. Robarn haw lik, wise procured from the same herd, a Butes's heifer colf Agat: $2 d$ dam imported $A_{\text {gati, and sitel by IIallon, }}$ (11559.) A'soan ther beifer calf, Duchess, (514) Dim Duchess, and sired by Hatotu.

In is pleasing to see most exce lent blood introduced into Canada, and we hare no doubt that Mr. Robson will meet with that degree of encouragement Which his erterprive deserves.- $B$.
Jouraty of Trassactions of the Bohrd of Agme ceiture (f Uprer ta-aba. Nos. $1 \& 2$ vol. 1 I'oronto: Thompson diCo. 185 s.
For some time past a strong $d$ sire has been expressed that the Boari of Agriculture should publish periodically its transactions, incorporating therewith the $\operatorname{Pr} z e$ Dissays which are anwually obtained, and a condensed statement of the conditiou of each Agricultural Society recsiving Gov rameut aid, compiled from the annual Reports, which by law, have to be prepared and sent to the Biard. The two numbers already publisbed contain a hietory of the Provincial Association from its comonencement, the establishment of the Board, a syuonsis of the varions agricultural statutes, binging these matters down to the Provincial Show at Hamilton, in 1853. It is intimated that the ncxt two numbers, completing the
finst voium?, will embody all maters to the termina tion of the present year, and that in fulure the information and papers composing the joural will be of greater and fresher interest. In compiling a work of this kind, a duty involving no inconsiderable deal of care and trouble, different opinions will obtain as to the extent in which the materials are to be abridged. A sort of medium seems to have been adoptedthe computations and comments without being too laculuic so as to leave an impertect inpression alter perusal, are sufficiently dif. fuse for all practical purposes. The work is not intended to interfere with the circnlation of such periodicals as the Ayriculturist, most of its ar. ticles being too long, and in other re-pects unsuitable to our pages. The subscription for the year is one dollar; sufficieutly low when it is considered that the annual volume will consist of not less than 6:10 octavo pages. $-B$.

Outlanes of Flemish Elusbandry. as appitcable to the mprovement of agmedithe in Canada. Quebec: Republished by the Bureau of Agriculture, 1855.
This very vaiuable work was originally published by the Socitty for diffusing useful knowledge, and was witten 1 y the late lamented Rev. W. L. Ruiss, a parish Clergyman in Berkshire, who was, we believe, a native of the Netherlands, and occupied in Eugland during a period of many ycars a prominent position as a writer on agricultural sulijects. Mr. Hutron, the indefatigable Secretary of the Bureau of Agriculture and Statistics, informs us in the preface, that the work was strongly recommended to the Burcau for re-publication in this Province, by Rubr. S. Atcueson, E•q. "It contains $\boldsymbol{c}$ fund of information, valuable to the whule country, but especially to the Lower Province, from the similarity of the babits, character, and circumstances of the peop'e to those of the natives of Flanders,-a similarity extending in many instances, even to the soil, extent and nature of truir farms."

The work consists of seventeen chapters-one of which we were enabled by the kindness of Mr . Hut ton, to publish in the Agriculturist, a few numbers back. A large edition both in French and English has been printed for distribution. Whether it can be procured of the booksellers we are not informed; but from the large numbers printed for gratuitous distribution, their will be little or no difficulty we presume, in any person interested in the subject, obtaining acopy. We are glad to perceive several signs of increased activity in the Bureau, in promo. ting the public good, and the present attempt to diffuse far and wide mongst the tillers of the soil, so excellent?nd in many respects opportune a work, is an evidence of sound judgment and bealthful progress, in the most important direction. $-B$.

Chambers's Joumal, July, 1855. A. H. Armour $\&$ Co., Torouto.
This part completes the third vo'ume of this worldrenowned periodical. We have no spice to particularise. Suffice it to say that the Mes rs. Chambers never give insertion to a single ar.icle in their Juurnal that is not worch reading, and many of their papers possess high literary and scientific merit, adap,ted to the wants a d tastes of the thinking portion of the community. Rational amusement combined with sound iustructiou, characterises c very number of this truly popular periodical, which ougbt to find a place in every well ordered familg. The Edinburgh edition, which is greatly superior in the "gett.ug $u_{t}$ " to the Ame icau reprist, can be obtaiued $m$ inthly of Messrs. Armour $\&$ Co. of this city, or of any of the principal br kiellers in the Province, within about a fortuight after its publication in Britsia, at the remakably low charge of ten shillinys per annum - $B$.

The Cavadian Literary News Letter. No. 6 vol. 1. Montreal: H. Ramsey. Turouto: A. Armour \& Co., 1850.
This munthly serial is of much convenience and utility to all per ons who may be in some way or other,-( and who now.a-days is not?)-interested in booke. Each number contains a list of publications with their prices attached of all woris istued in in the peceding month in Europe a'd the United States, with a number of reviews and notices of the more important works. To Clergymen, Schoolmasters, Cfficers of Mechanic's Institutes, a.d we may also a id, of Agracullural Societies, who must not in the present age lag behind other bodies in the-e mat-ters,-" The Canad.an Literary ${ }^{\text {vews Letter " will }}$ be found of much service. The publishers we are informed will forward it to individuals interested in books and literary subjects, upon receiving a prepaid application, without charge. A pleasing fact this, showing that the Book-trade has reached a status in this Province to which it was an entire stranger a very few years since.- $B$.

Tue Anglo American Magazine for July. Toronto: Maclear \& Co., 1855.
This No. completes the seventh volume of this interesting native production. The present number is embellished by a portrait of Mr. Robert Stevenson, the world-renowned Civil Engineer, and an engraving of the Tubular Bridge over the St. Lawrince at Mootreal, for the Graud Trunk Rail way. These productions are highly creditable to Mr. Mac* lear's establishment, affurding the most satisfactory evidence of the rapid progress which this department of art is making among us. The literary articles, or which there is a good variety, will be read with in. terest.- $B$.

Monrons Cyclomedia of Aomelltche-pats 27 \& 28 . Blackie \& Sou, Glasgow, Ediuburgh \& Lon dou. Toronto: Maclear $\mathbb{E C o}$,
These two parts complete, his origiual and valuable wo $k$, makiug two h.indsome volumes, il u-trat d with upwards of a thousand Engravings in wood and stecl. The work is "got up " in thy. Messrs. Blatekie's best style,and its pages are eniched by the contriba tions of a l.xge number of the best practical ayriculturists and Scirntific men, the Cuit-d K ngdom can produce. Altugether it is unquestionably the best $\epsilon x$ position of the condition of Brit.sh Agriculture, both in its science and practice, to be found in the English or any other language. To the enquiriug and improving farmer it will form an invaluable acquisition, and mary portions of it may be consulted with pleasure and adrantage by the gen ral reader. $-B$

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## MARKETS, \&c.

Tononto, August 1, 1855.
Harrest having commenced in all parts of the country adjacent to Toronto, the usual supply of produce brought into the ma ket by farmers has been much less than formerly, and a general dullness pervades the market. The wet weather with which we were visited during last week, it was feared, would do much to iojure the growing wheat c op; but we are happy to hear that the damage was not so great as was anticipated-at least in the neighbourhood-and that, nolwithstanding the long winter, the weevil, the Hessian fly, and the rainy season, the fall crop in the vicinity of Toronto wilbe an average yield. Suring crops, too, generally look well, and, promise an abundant retura.

Flour.-The flour market has been poorly supplied, and prices have remaiued firm. Sales have taken place, for immediate consumption only, at $\$ 9$ for good brands-and that figure can be real.zed for all that will be brought in. There has been but very little farmer's flour selling at retail in the market, and none at all for the last four days; but it would probably bring $\$ 9$ @ $91 / 4$ for good kinds. There is hardly any milling going on in the country at present-the millsare nearly all undergoing re pair for the fall trade-while rome are en'arging and inereasing their facilities for grinding. It is said. that the market for new flour will open at $\$ 9$ perbbl, and will be readily bought at that. It may be the case with the first lots offered ; but as som as the supplies come down from the west, and reach the Atlantic cities, $t$ at figure will hardly continue to be paid. It is likely that new flour will come in by large lots, as soon as it can be thrashed and ground, so as to realize present bigh prices. The price of flour to day may be quoted at $\$ 9$, and is held firmly at
that. Suning wheat lluar, of an interior quali $y$, bas been purchased at $\$ 3$ per bbl. from farmers' waggons. The shipments of flour for the mouth fout up to 3990 bbls, the gre ater part of which has been iu store for some time. There are not over 8 JJ bbls in store here at present.
Whant. - The granaries within forty miles of Toron'o appear at last to be exhausted. and it is a matter of surprise that the supply has lasted so long. There has been no wheat oi any kiud in the market for the last five days, and there will not likely be much more of the crop brought forward. The supply has been gradually diniuishing-there being ouly 11 ,785 bush purchased in the month of July bandiy as much a swas brought in each week of A pril and thay. Ttie average price for the month may be said to be 9s 4 d uer bushel ; and whether that finure will be offered tor the new crop, it would be impo sible at present to say. The demand, however, is stll active; and, as in flour, the first lots offered will likely loring a good price. he matter will soou be tested, and probably we will have samples of the new crop offering within the two nextweeks The shipments of wheat for the month amount to 12,882 bu heldmainly to Oswego and Cape Vincent There is very little in store at present, and it is prubable all that is here will be required for milling purposes.

Oats-Have been scarce, aud, but for a small $10^{t}$ brought down from Chicago, the market would have been bare. 'I his lot sold at 3s 3d @ 3s 7d per bush. There bave been only a few loads brought in by farmers, and were sod at rather a higher ficure. There were some offeriag to day at 4s, but were held too bigh to suit buyers-they only bidding 3 s 6 d bush. The new crop is beading out fively; aud as there is a good breadth sown, large supplies may bo soon expected. Prices will probably improve uutil the new crop comes in.
Hax-Has been ra'ber plentr, and an active demaud makes business brisk. Old, of good quality, brings from $\$ 25 @ 30$ per ton, and new $\$ 15 @ 25$. The samples of the new crop already brought in are rather inferior-it being probably iojured by rain, and brought in for immediate consumption, as it would "heat" if allowed to remain long in the barn. Disring the past mouth, 144 loads of hay have been purchased on the market. This month is the dullest in the year, aud is not a criterion of the amount usually bought.

Wool-This staple is still poorly supplied, and although thedemand is active, prices have not improved. Thatb ught during the week has been got for 1s 1d @ is 2 d 鲜 lb. Farmers are too much engaged at present to bring wool forward, and no great amount may bs expected until after harvest.

Potatoes-Of the old crop, are no longer to be bought on the market, they being among the thinge
that were. The $y$ have been succeeded by plentiful supples of the new crep, which geverally are of a good qualitg, aud. as a ample, pronise well for the whole yie'd. Tbey bring from 6s @ 8s per bush, and are in demand.

Buter-IIas been belter supplied during the week, but is still in great demaud, at is @ 1s 3upr ib.

Berf-Is ial plentiful, and prices bave declined. Good berves were hought at $\$ 5 \%$ @ 6 per cut. du riug the weck. Milch cons b ing $\$ 27$. and cows whth calves 331 . Therg are plentifuliy supplied, and are not in demand. Calves tring $\$ 4$. @ 5.

## NEW YORK MARKETS-Aug. 1.

Firior-Market firm, with better demand Sa'es 6, lltio barr ls ar $\$ 787 \frac{1}{3}$ (3) $\$ 825$ for common to straisht andextra State, and $\$ 8$ @ $\$ 8621$ for mix d to fancy W. stern. Cauadian-Sules 1,200 barrels at $\$ 825$ © ${ }^{3} 962 \frac{1}{2}$
Wheat advaned 3 () 5 cts per bu-hel. Sales 1,000 molh. at $\$ 178$ (as) $\$ 185$ for red southern, and $\$ 195$ (6) $\$ 215$ for white do.
Rye held higher.
Cons 'ower Sales 40,000 kusbels, at 831c is $87 \frac{1}{2 c}$ or mised Western.
O.IT; steady-5Sc fr State and Western.

Chickexs-Bring 3s 4d @ 3s 9d per pair, and ducks 2s 6d, and are not plents.

Cherme:-Sellat Gl, and black currants at 5 d per qre, and are iu demated for prese ving.
Eggs-Are also more plenty, and bring 1ld @ls $2 \mathrm{~d} p$ rduzen.

Prorisions.-Pork firmer. Sales 400 barrels at $\$ 1968$ (e) $\$ 1975$ for mess- $\$ 166212$ for prime.
Srocks active and better. Money penty aud easy at 6 per ceut on call. and first clavs paper. Sterling exchange dull at $11 \%$. Erie R.R. 52.

Lard uichanged.

## SUFFOLK PIGS, (Directly from Imported Slock.)

 l'igs, singly, or in properly selected pairs.PATRICK R. WRIGHT.
Castheton Fasm,
Cobourg, W., July, 1855.
S-tf.

## FURE DOWN SHEEP.

$J^{0}$OST Received from Fingland, a fresh sumply of the latest improved breeds of soith Dows Smesr, of the llampshi e and sussex biveds, selected with much care and expense, by my son in Einchand, fiom the best flocks of Dorsec's, Hant's, Mr. Jonas Webls and the Duke of Richmond's.

JOEN SPENCER.
DORSET Fank, Whithy, July, 1855.

## TO BE SOLD,

The Property if the East Zorra Agricullural Sociely:

## A Fine Agricultural Stallion

16hands high, dark dappled hay with black mane, tail, and legs by oh lide, out of a leveland mane lfe is fise yeas old this month, and has taken 6 list and second pizes at different shows For particulars apply to thasecretary of the East Zurrat Agricu turat Society, Woodstock.

Woodstock, Ju y 1Sth, 1855.
8-3

## GALLOWAY BULLS FOR SALE.

$T$HE Subscriber will offer for sale at the Provincial Fxhibition, to be held at obrourg, 2 punis biesd acia, calives, fom imported ows; also, 4 impoimteid cheviot rams, to be seen at the premises of the subsciber, near cobours.

WILLIAM RODDICK.
Cobourg, June, 1555.
7.

## DAVY'S DEVON HERD BOOK,

NOW ready, a LARGE SUlPPLY of let!! 1st and 2nd rols bound in one book, and containing all the sulyect connected with the Devon records, of both Enghand and America up to the prosent tiace; also as a frontispicce, the beatiful ehgraving of the celebrated picture knowi; as the " (barel, Testimonial" which is a full lengh portrat of Mr. Frane s (quarely, now living, at 91 years of age. It is also illustrated with two animels, Prize-wiuners in Eugland. Price, $\$ 5$. can b. had hy enclosing the anount to B. P. Johuson, Cor. Sec. of N Y. State Suciety, Alhany, N. Y., Luther Tuckir. Ed. of Counliy Gent, Alhany N. Y.. Sandfond Howard. Boston, Mass., D. D. I. Moore, Ed. of W.G. \& S Register N Y., A. B. Allen, El of Amcrican Agriculturist. N. Y• Saml. Sands, El. of American Furmer, Bahimore, Mid., A M. Spangler, Esh of Progressive Fa mer, Philadel| hia, Pa., Lee and Redmond, Bds, of Southern Cultivator, Augusta. Gia., and Wm MeDungall, Ell of Canadian Agriculturist, Toronto. C.W. It gives me pecasure to state that Mr. Day has solicited Mr. S. Howard, of th. Baston Cultieator, to collect pedigrees and illustrations in this country for the 3rd. vol. and has anthorised M. W. to obtain information as to any and all mistakes wheh may have been made as to the recording of American animals in Dary's 2nd. vol, and such cortections will b: made in the 3rd. vol. The Plan propoes that a copy of all the pedigrees and illastrations collected by Mr. II, as the Editor in America, shall be forwarded to Mr. Davg, and a cory of those c.llected by Mr. D. will be eent to Mr. H. in this comitry. The whole matter will be publisted in America for our use, and in Eneland for ther ir use, by which means an Am-rican and Euglish Deron Herd Bouk wiil be mited, ond the price reasonable, as the expunse of English printing and dutics wi.] be saved. This concert of action has been brought aboat by Mr. Davy's good feeling and liberality toward this colntry; and I am only the instrument th ough which Mr. Disvy acts; atal from this tume forth Mr. Howard will receive all communications on the subject, as will appear by reference to his adverti-cment.

All Editors tho will give the above the ec insertions, will receive a copy of the 1st 2ad and 3rd vols. L. G. MORRIS,

Agent for J. Farmer Davy's Devon Herd Book.

## ENGIISH CATILLE

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N.l3.- M Model of a Patent which, for future will prevent all accidents occurring to f:attle, can be seen at 81 , Daiden fanc, N. Y. and at Liverpion.

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 can be obtained at the following prices:


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TIE. Subscriber offers for sale, 3 Thorough Bred Short-Horn Durham Bull Calves, descendants of the celebiated Bull, "Bellville," champion of England, Ireland and Scotland.

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6-3t.

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The wok will be sent free by post for is per annum All communications and remittances to be addressed to the Secretary of the Board of Agriculture, Toronto.

Toronto, May 1, 1855.
5.

## UPPER CANADA STOCK REGISTRY.

## To Ouners and Breeders of Thorough Bred Horses and C'atlle.

T

 for thow,
 taider the reotictions herein mentioned, furnishing daly errtiGed partimars to this ollice ; and ean obtain a eerthicate of the same, which shall be holl as oltelally correct in all future transactions relating to the stock so registered.
No Animal shall be reristered, unlers a clear and distinct connection le entahished, to the satisfartion of the Board, hoth on Sire and Dam, with the lsritish or American Stud and llerd Books.

Where the Animal to be registered has heen purchased by the person dewning to register, or hass been imported bar breeding purpoe-s, a correct statement must be gisen of all partienta before a certhicate cam be issued.

It $i$ : desirathe, in order facilitate the taking of entries or the Provincial Exhibitionat ohourg in October next, that per gons deninilug to register stock shonlal do so at in early ate, at all animals for wh ch hegister certificates shall have heren given will be entered without further inquiry. Uw ners of stork afe recommended to keep Duplicates of P'edigrees.

## G. BUCKLAND. Secretary.

Onice of the Board of Agriculture
Toronto, March, lisju.

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$B^{1}$Y thi, Vachine, Dtainage and Sewerage Pipes of all descriptions, as well as perfonated and other Brick, Flowing Tiles dee, are molded with the greatest facility and precbion

A manand threc boys can turn out from 5, " 201 , 10 fere of pipes per day, according to sizes; and if worked by horse, stem or water foiver, a proportionate incerase will be obtained.
This Machine is in extensive operation in England, where, in addition th the tewimony of numerous tile Maners, ats well as that of the first Machinists of the day, the following Pizes have been atwarded to it.

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By the same society, the following year as the best
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At the urenting of the New York State Apricultural Society, at Saratora (hios), a workine model of this Marhine was awaided the Silver Medal and Diploma; and at the Fall Exhibition the same yove of lower and Upper Canada, held respectively at Montreal and Hamilton, the same Model was awarded a Diploma from ref society. It wasawarded the First Proze and Diploma at the werent Exhibition in London anada West.

The miee of the Machine is $\boldsymbol{f}^{5 \prime}$, (half eash and remainder at six muths), with five Dies for lipes. Brick and other Dies at $a$ moderate charge.
ify The batentee guarantees the effective working of the achme.
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ITamilton, March, IS5:5.

## SPRING STOCK OF IMPLEMENTS.

IUIIIIE Sulse ibe $s$ beg to info $m \mathrm{Ag}$ icultu ists and Mo ticulturtists, that they have eceived lo, ge and va-ied asso tment of

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And would sohcit a eail f om pa ties about to pu chase, at Ão. 77 , co ne of Youre and Adelade st eets, To onto They have on hand a fumtity of the most imp oved Lap Fur ow Ploughs, hand a itamthy ithe of been so much in demand Reaping and Which hara or hate been so much in demand Reaping and sale in thei seasor

McINTOSII \& WALTON.
Toroxio, 1st May, $185 \overline{5}$.

## TO BREEDERS.

IIIIE Thorough Bred Short-hornell Bull, "Jonv O'girst," 1 Second, Bred by John S. Tanguray, Fip., Dimhou, MidTlesex., Enthlaul, importel hy Frederick Wim. Stote of (iuclph, Octuber last.
Thin wry superior Young Bullwill he hept at the Suboriber's Fam, lianham, i'ulinelt, five miles fom (iuel his.
Termaforserna-Thonough bred, Fiw pounds; it grade, fre
Parties wiohing it, can have pasture at a rea-onahle rate. No risk by subseriler.
Mis sire, "John O'Gaunt" (I 621 English Herd Book), was sold in 1 S 3 for $84, \pi$.

FREDERICK WM. STONE.
Guelph, April 24, 185.

## TOHIBINED REAPER AND MOWER.

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THF lindersigned are now mannfacturing the above Machinery which hats been thonoughly tried thongh the Contedstates, and have given entire satifaction lathe frequent trats made with every machime hat has ans cham to reputation it has prosed the best in the following pointe, viz.:
Its perfect alaptation to uneren surfaces-it: means of adjustablity to various heights of enting-its lightuess of draught - the ease and farijity with which it can be temosed from field to tield upon its own whels, and changed from a reaper to a to tied upon tis owt whecls, and rhanged fram a reaper to a
mower, and vice veran--the contruetinn, for strength and du-rability-and its capracity for donner busimess.
By means of suspending the frame to the axle of the wheels the juint and lever, the thiser is emabled at bis will to elevate or depress the cutters fiom one to fifteren inches from the ground ; and with the oblique platform the raker is enabled to discharge the grain in gazels, at a suficuent distance from the standing grain to allow the team to pa-e, so that the wholg field may be cut without removing any of the gain.
Price, with two setts knives, S13. We are alio manufacturno burall: Reaper, pree Sl:0; and Ketchum's Moner as imponed, price, with two selts of kinives, Sllo, marranted.
These machines are capable of mowing or reaping from ten to fiftecnacres per day on smooth land, as well as cam be done with sey the or cradle.

Neweastle, Man 6, 1855.
H. A. MASSEl \& Co.

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