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## THE GU1TMMATO品

"Agricuiture to the great art which erery government ought to pratect, ezeey proprictor or jaids 10 praciice,

## Toronto, September, 1842.

${ }_{5}$ Tue New Corn and Tariff Bills have passed the British Parliament, and time only will prove what degree of favourable influence they may have upon our intercsts. We would wish the Tarift had been more encouraging to Colonial produce, and had given more dećided protection from forcign competition in a few artinles, parti. cularly salted ment. But even in its present form, we believe it is more favourable for us than the former Tariff. What we have the greatest apprehension of is, that a large quantity of live and dead catule and swine will be improted into England from the North of Euripe, and hence greatly limit ihe market and demand to: salted meat from Canada. Theso apprehensions, howcver, may be groundless, and the resula may be very different from what wo now anticipare. At all crents, we shonld be propared to avail our: selves of any adran'oge that these new laws would offer to us. We hope our own Legislature will, next Session, do their duty to their Constituents, and give some nttention to our af"fairs. Instruction and encouragerrent mighte held out to our farmers to feed catule and swine, and to our merchanits to form establishmenis for islaughte ing and preparing for export, in a propor manner, these catde and swine when fattened. It may be answered, that these matuers should be "left to individual industry and enterprize. We thumbly conceive the contrary, and helieve that in a counsry like this, that it is the duty of the Legislature to instruct and encourage the popuLition to adopt such modes of employment, as would be most likely to promate the gencral interests. This country has been visited with a - very great plaguc, in the destruction for several yoars, of the wheat crop. If, under such a calaminty, the Government and Legislature are not bound to take notico of the jeopic's disuress, or "olyor any instruction or escouragement to thém. twhereby the loss they bave sustained might be compensated, by recommending other modes of employment, we know nor wha: may be the leEiamate objert for which governanents ard legislitures werc first instimated.' If notiing could be $\therefore$ done for our egriculure, wis should make up -oor minds to be satisfied with chings as thay are; bus, if on the conarary itis poosyitle, by cacuraging new modos of employment and rasing new. prodoce, thizt the prosperity of agriculiure, that - the wole depodidence of nime enths of our popt. Iluen mat bo promoed, sutely yo yid nr be
an objest unworlhy the n'tentiun of put Legisha. there interast to be unted. It is not for any uríture to take up the mincr. Our Legalaine, rurthy iarpuse we would recomment ginis union, might niso, afturt us canederabic prutecianfi in foreign comperition, and crable um tu make lla; y new Tariff the means of establishing a valuable trade in saled meat and the produce of the dan!, with the mother cowners. IVe woalo remand war Legislatore that the competition between the people of the United Suates aud us, is nut upon a lair and equitable principic. The pruducers ticrs pay a revenue, both Imperal and Proincai We purchase goods coming tu us fromi Log!dad, charged with all the taxes dircet and marcul, wicluded in the cost of their producturn, and t... taxes ate suid to form a large druporion of the entire cost prices of these guods. We asso fuy a Provincial Revenue upon them. Tlie mbabs. tants of the United States sell thar produce dicte, and not being obliged to tahe grode an exchange, they may take only rash, which pays newher Imperial or Provincial re. - buc. Fience tucy are enabled to sell thear probuce liere on the sinate terms that we do, whliout any drawback of thic nature that we are subject to, and this atate of things gives the fureign competitur an advaituge over us of a very el siderable amunat per tent. on what each of ho recencs for prouluce athe Canada markets. The fure gracrsmay pay reve. nue in their own connry, but that we have nothing to do wah. We coufline ourselves to the consideration of theirs' and our own rclawse pusition, when eacta are in the Muntreal market wosposing of their respccitive pe duce. We nuss experd the money here un E . is and gunds, of to pay labnurers who wall be parchasers oi E. io ish goods, and thus we cuntribute tw the revanuc bula ol England and of Cana; wrale our cumpecitors from the Liated States sells at as high prices ns we do, and carries away the pruecchs to his own country, to encourage the productuve industry of the United States. We may not make ourselies clearig widersiood, but we fhal refer to this alitject agam. Canejann farmers are charged witi beag an enorn:A :ass uf men, unable to understand what vaculd be lior thear own, or the general inierests of the coinntrs.From a want of education, doubtless, many of them are so, but they are not ail so; and a great many of them are as well fouaified is fulge cor. rectly of what would bo bikely to promote the gencral interects of the country as any other men in the Province. Were agacuiturists, like other classes, to assemilice is oihe: wit cjery occ.,swon that public acts were lhely to afice toctr inte. rests, and boldly and unammonsly capress their opinions, much asore aucntuon would be givento there wants and wishcs; but, in this ravatry, un-
 existing emongst the agrichle oraichass as an Eng. land, that will allow them :o ac: :ngiener and with efiect. We m.ght explatn the cause of this disuaton, but declias doing so on w:e present occasion. Perkaps remaradirg ous agncuitural friends hat such a want of conumal monamaty es extramely projud.c.al to the:a nicersts, may prefuce a change tnd trruce fa:meny, an it in cicarly
but fur a gend object-nist, the card iflicir own mereats, nud naxt, in order is fomole the gen. cral amprovement of the cumbiy ue live in. It is mamiest the cutary caniout mpruse, whai. cur our chacs may do, unless our lands are buought into cultivation, and yielding a produce ihat remancrate fut the expenditure. Nu man Wial cun'auce lung to expend capital and labout on what will not jicld remunerating feturns. If s herefure, no: tu be expected that the country $w_{1}$, wiprusc, wilese the improvers are repard their capital ard labour by the produce anised. Our Legislators and otliers, who pretend to be incuds a mprovement, will do welt to remem. ber that these are incontrovertible facts. We gi the that umprovement might bo effected to a er tain extent, by a rural population selting down on the cointry, and confinang themselves entirely to the cultaration of thar lands, and manufacturing an،ung themselves all that they would require; and hasing no commerce or intercourne of any coiscquence with other classes. But if tadis: comarice, and general prospentr in dyurred to be permanently establuhed in the country, it can be moutanced only by a heapliy and prosperous conditun of the agricularal population. Those who expect to produce these vesirabie $\varepsilon$ dsañtagés from any oher socice, will tring disappointment to themselves and to a! who place confidence in then. It 19 useless to atempt to found the pros: pertiy of thes country, alove all others, upion any cutier bases tann her agnculiure. At some future arace it may be othorwise, but not for h century to come. Vic give this opinion confidently, buik not whitur glae consideration.

## ACINOWLEDGMENTS.

We beg to acknowledge the receipt of The New Farmers' Journah published in London, England, with a few numbers of Bells' Weelly Messenger. These papera contain a cetailed acount of the proceedings of the annual meeting of the Royal Linghsh Agricultural Society held at Bristol. We feel proud to place such valuabile papers. on our exchange list.

The lave also to acknowledge the recoipt of a number of packages of Agricultural Papsers and ilagazines, from our respected friends Thomas Sarkey, Esqr., of Petherton, Sumersenishise, and Benj. Coates, Esqr, of Leominstor, Hercfordshire, England.

The first number of The Berkshire Farmer, anotier valuabio production of "the nld Bay Staic" came to hand; it is certainly descriving of enpport, if the first number bo a corrcc: specimen of the genjus of ite tas 14 ntad sditor:

Is a work lately published in England on tho "General Drainage and Distrihution of Wa. ter," the author says:-" It is admitted by ail who understand the subyect, that where drainase has been carried on upon correct prmeiples, and wath proper skill and energy, 8 bushels or one quarter of wheat has been added to the produce per acre." The author further states, that 10, 000,000 out of $12,000,000$ acres of the arable land of England is undrained or ineffectually deained at present ; and he supposes that if this land was perfectly drained, more than $3,000,000$ quarters of wheat would ivo annually added to the pro. duce of that grain alone in Englaud. II en. deavours to prove also, that the drainage water nught be usefully employed in irrogation, and in giving mill power. The sewerage of the towns of England and Wales, he calculates would an. nually produce over $3,000,000$ tons of dispusable masure more than they do at present, capable ot enriching an area of $1,000,000$ acres. The work referred to, is highly recommended to the atten. tion of land proprietors in the Britush Isles.

We have repeatedly endeavoured to prove that the more pertect drainage of the arable lands of Canada, would be the most necessary and profitable improvement that could be effected in our agriculture. Every farmer who understands has business must know that it is unproftable and Worse, to cultirate and manure land that is not sufficiently drained. Before any field ts cultiva, ted by a farmor, it will be decidedly hus interest to drain it sufficienty. Every shilhng expended in draining, so far as it is necessary, wall yro. duce more profit than five shilhngs would do in cultivating and manuring undramed or msufficiemly drained land. We recommend to the at. tention of our Leerislature, the Acts that have been lately passed in the Brash Parhanent, for the more perfect dramage of land in tie British Isles: and we earnesty hope that the merests of out agriculture will recenve some consideration in the next Session of the Provincial Parhument. Our Legislature will have a GOOD PRECE. DEN'T in Eugland, what measures should be introduced here for the encourngement and im. provement of agriculture. They need not appre. hend that this preceetent would be ansuitable for this country. We have frequenty endeavoured to prove, that the more clascly we adopt and ful. low the English improved system of agriculture in every branch, (with the exceprion of cultarat. ing turnips to dee same cxtent), the more certain we will be of profitable agriculture. We now, tegardess of what any person may have to state to the contrary, assert the eame thang. The drilling and heeing of wheat, we would particularly recomenend. Dibbling of wheat is pract. cod in England, but not to a great cxtent, and we need not adopt that part of their syssem here for the present, as labour is dearcr, and seed cheoper with us than in that country. We are prepared to enter into a full explanation on this subject, with any one whe may chuse to take the matter up. Wines vetches are atemp that cun not of course be cultivated here, nor are thes acecessary for us. Hocing wheat may be done here nently as cheap as in England, when we have labourers that will understand the work and be expert at it. One hocing would be sufficient, and it would greatly tend to destroy the wheat fly, we have not the gnallest doubt. Drilling ? waste of the powers of the plant to allow it to
and hoving would give air to the crop and keep down weeds. If our land was very guitable for wheat, and stinated at a distance from town, where whent should be the most profitabie crop to cultivate, we would certainly endeavour to prove, by experiment, the plan we recommend. Let those "who have suitable soil, summer-fullow the land-lime it-sow the wheat in the begin. ning of September, in drills-hoe it once in the spring-andif a good crop is not produced, (pro. sided at comes into ear previous to the 20 hit of Junc, so as to escapo the fly), wo shall acknow. ledge our error. We have every reason to believe, that by sowing wheat early on well prepared fertile soil, limed if possible, it would be in ear early in June, and be perfectly safu from the fiy. Ihas any farmer tried this experimens tilly on wheat, up to this momentin Enstern Canada 1We believe there has not. In making experiments, every part of our plan must be folluwed exactly, or we will not answer for its success.We do not propose any thang more than the sys. tem of cultivation that is now very generally adopted in England for tho production of wheat. How can we cxpect good crops from tho sloven. ly cultivation that is general in Canada? Our strong clay lands aro not cleaned by summer-fal. lowing, the crops aro not hoed or weeded proper. ly, the land is not sufficiently draned, and how can wo reasonably expect good crops? Wo ap. peal to any one who is nequainted with the country, if our statement respecting the general cultuvation of crops is not correct. There is much of the soils of this country that contain salts, or in. gredients, that are said to produce rust in the crop of wheat, and from our own experience we know this to be case. Li:ne ssaid to be an of fectual remedy against the injurious influence of these salts. The drilling and hocing out of all weeds, would also help to prevent rust and midew, and thase diseases when they offeet the crop, are as destructive to them as the fly.

In The Mark Lane Express of the Ath of July, we have scen a most interesting "Summary of the Piablic Proceedings" of the Royal Englist Agricultural Society, that was to have taken place at the Enstot mectag, on the 12 h and thre following days of July. Every man atached to the prufession of agriculture mast fect mterested in the procecdugs of a Sucicty who are doing so much to promote the improvement and prosperity of agriculture. It is, however, to Ca nadian farmers, distressing to know, that not whistanding the great necessty that exists for introducing improvement in agriculture here, they have no such Society as that of England to encournge improvement, or take care of their interests. Agriculatere is left to take care of itselt in Canadn. The few Agricultural Societes we have, direct their principal attention to giving premiums on superior horses, catle, sheep, and swine, and acglect altogether the improsement of the system of husbandry, that is of mfintely more importance than the mproveinent of hive stock in a few hands. Better drauning, ploughing, jucheions rotation of crops, the destruction of weeds, and of verman imunous to agriculure, is what we should direct our atention to first.

If shubarb secd is not wanted, it is a mere
flower. For the eamo reayon asparagus should nut be permitted to bear berrice, nor sea.kalo tlowers and sceds.

A Society has been organized in Ircland for promoting the " lmprovernent of the growith of Flax," and several deputies have been sent by the Society to Belgium m order to acquire a prac. tical knowledge of the cultuation and manage. ment of that importans crop in that country.Theso deputics have returned and have gene to their respective districts the last apring, to give to Flax-growers, the benefit of the information they have acquired. When ehall a Society to organized in Canada for a similar object? We answer, not certainly until agriculturists possess more influence than they do at presem in the country.

The late Lord Sydenham, when transmitting to Lord John Russell, the joint addresses of both Houses of the Canadian Legislature on the sub. ject of the Timber Duties, mado use of the fol. lowing terms in his digpatch:-"In transmisung theso addresses, I am bound to romark that, not: withotanding the authority from which they pro. cced, I an not disposed to attach very great areportance to them." Such was the opmion entertained by the late Governor-General of tho joint addresses of our Legislature on a subject of great importance to Canada. It could scarcely be expected that tho Culunial Secretary wot:ld attach much consequence to addresses transmatted to hum with so doubtul a recomnendaton, and it was certainly a very poor complument to the wisdom of our Legislators. The dispatch of the Lieutenamt Guvernor of New Brungwich, when transmining addresses trom the Legishaturo of that Province upon the same subject, is in strong contrast with that from Lord Sydeniam. His Excellency Sis W. M. G. Colcbrocke, recom. mends to Lord Stanly, the present Colonial Sccretary, the prayer of the addecsses in the strung. est terms he could cmploy. It must always bo cause of decp regret, when the Governor.General of Canada, under our present Constitution, in transmiating to the Home Government, the jomt and unammous addressics of both Houses of our Legelature, on a subyect that may be of vital importance to the country, should conccive it to be his duty to speak of it in such terms as those which Lord Sydenhan empluyed on the occasion reforred to. Such a course matast decidedly show a doubt in the wisdom of the Legislature-that they are not always influenced in their motives and measures to promote the general good of tho country they legisla'c for-and that they are not competent to form a correct opinion of measures that would be the best calculated to advance tho general welfare.

We have seen fields in Eastern Canada so completely occupicd with a crop of thistles, that any stranger would have supposed that they wero a crop that had been regularly sown and culumated. Will any one pretend to say that it would not be expedient for the Legslature to pass a law that would inflict a penaly upon any farmer or occupier of land who would not cut down therr histles, or other weeds that scater their secds, bcfore they mature their seeds? We uhink is actually necessary to introduce such a law, that it would be an expedient and reasonable law, and a law that no well disposed occupier of land would complain of.

It is said that the value of the estate of the late Barl of Leciecster, was ten times greater at has death then at the period it first camointo his pos. session, and this incteased value was chionly produced by the improvements introduced by las dordship in ngrienltare. No man that ever exastcd, perhaps, has dine wore for the promotion of practical agricultural mprovement than the late Earl of Leicester, during a period of 43 yez rs, that he was actively engoged in extensive farm. ing. Llis experinents and exmmple were fur the benefi: of all who choose to adopt them, and his large fortunc enabled him to make these enperiments, and show this example, that was of sheh xast impurtance to the whole of the British Isles. If we had such a man in Canada, we might expeet that the improvencept and prosperity of our agriculture would be promoted.

The anmal neeting of the Royal English Ag. ricultural Socicty took places at Bristol, on the $\mathbf{3}$ th of July and continued for fuur days. The meeting was numerously attended by handed proprictors and farmers from all parts of the liri. ush Isles. Thore were 510 lots of calle, sheep, and pigs cahbued for premums; and the eahn. bition of new and improved mplements of hus bandry amounted to several hunded. I'he pro. cecdings altogether, as reported in The . IInrk Cane Expreas, are must intercisung. Wecan only wish that we had such a Sucicty in Canada, but nover can expeet it. We give a few ex. tracts from the reported proceedings at the meet. ing. The following remarks on the utility of the Society and the amount of the funds seccived at she Bristol mecting, may give somu idea of the good they are hkely to produce :-
"Ahhoughe established but four years, the good necumplished by this sucety heas, even ut su short a time, been great andecd. The capabititics of our souls are alrendy bether understuod; the cheanical qualities of alieir compunent parts, and the inture of the artificial aids wheh they require, have been carefully mvestgated; the puwers of mechanism have been mvuked, put to seprersede but to aid the lahour of man; productors has been increased; improventents in the breeds of cattle have been effected; a miss of facts, the only sale loundation for an cahghened theory, hase been cullected; prejudeces, lu:ng miterwowen with the hadits of a clase pectharly attached to old habies and custums, have been brohen down, whilst the careful test ot experime:n has prevent. ed tue spread of the opposite error of contuundeng ail that is acw whath all that is valuable; a gotacral amalgamation of those miterested in one common pursuit has been effected; and, to cruwn all, the cminent success of the past uffers a guar. ante of a yet more briliant tuture-brilliant, indeced, to the eye of the phatantiropist, since it is a future teeming with an abundance of the treasures of our soll, produced by mature industry, and more than sulficient for the wants of our natuve population.
"The receipts of the Assuciation were also very large, and larger than in former years. 1 can, in round numbers, gov you an esumato ol the reccipts, which will convince you that I have not formed an extravagant cstanate of die numbers who attended.
Wednesday.-Show of implements-

Show- 16,000 at 2 s . 5d.
$\mathcal{L} 200$
Alter onc óclock, to six ir M., 12,0u0
at ls. each.
Fnday.-5,000 at ls. each.
2,000

Counct dinner tickets, exclusive of invi.
tations....
600

Pavilion dito.

モ4,550
besides about 21,200 . arrears af subscriptions which were received on the occasion."

The folluwing urticle has been copied from the Journul of the Royal Eughsh Agricultural Sucic. ty. We think that winter rye mipht be very pro. tiably culdivaied in Cianada for spring food for catle. In ordmary seasuis it would nfiord con. sitcrable fecd carly in May, and the land wouk be rabler muproved than injured by u. 'The pas. tures are very bacisward here up to the list of June, and a fiw tores of rye would be a great help to Stoch in the month of Miyy. 'Xhe farmer who would not regure it for his stoch metht let the crop go to maturaty. We would not recum. mend the sowng of te, aceed wathtie ryo. We copy anly at part of the arucle.
"It is the intention of the writer aow in state ligs experience, and uffer fas recommendation of a crop embracmor a! the advaminges of the preceding, and several jecuitar to itself. It is that of gyc, cuten in the early stages of its prowth. It is intended to intervene between the last erop of the four ceurse sustem, which is generaily wheat, and to be eaten, and the land plourghed and worked for a crop of turmins. It is cqually upplicable to all hinds of rotanuns, and would well precede a fallow or a cropot rapse. As it is generally upon farms where the tour-course system is pursued that sprmig feed is most wanted, the writer will cunime has observatiuns to theit rotation.

So soon as the wheat is cue in the nutumen, the plough should be set work. 'Ihis may he done \&ven befure atis carted, durng the mornates of harrest. A sianlu pluaghag is anen, and a very slight dressing of any kind of short manure. In some cases where the farmer lave on his manmer In the autuma, tor turmps the ensung year, it might be better to lay st vin bu.fore the glougang. It should bo remembered that the slight dressuys should tot all be considered as piven to the rye; in reality at beconves ancorporated winh the soml, and more intimately mitacd with at than by the ordinary mode of spreading it on in the autuma, and any part of it which the rye may abstract, will be more than compensated hy the droppings of the stock and the carhone achd gas wheh they molve while consumang at; and wheh the suil more readily absurbs in the spring than in any other part of the year, evagoration zoing on at that period to a much smaller extent than in any wher.
The sced must be sown upon the plutgh-seim broadcast, at the rate of $2^{2}$ busieds per acre, and if of that year's growth, so much the heter, as it is carlicr and more certam of germination. Tu thes, a peck of rapresed per acre shoudd be add. el?; for ahthought the latter is nut able to stand a winter when the frost sets in early and severe, in many coucs it will get suticiently viruhrous to resist any ordinary frost, and will much improve the feed in the sping. Should the rape not be sown, a peck of winter-tares per nere will indprove the feed, or an additional buld of rye may be added; as a fuller bite andexcited grond in ts ear!y stages wall be secured-a point gained when wanted to depasture, although at at:ght be injurious if sown for a crop.

In culuvating rea as feed, there need be no fearsemertained of its becoum, "wmer proud," for as that only affects the cars of the corn, it is a circumstance of noimportance, and therefure the caricer it is sunn the better atile it is to sesist the carly frosts, is well as liaving a hetter cover and more feed when wanted. When sown it should be thoronghly harrowed, but not rolleda durble with a pair of tine harrows is suflicient. and the sur-ate weeds should the gathered off, or the whole raked wath the hand, whach will more cficiently cover the sced. dil odvantase 19 gamcd to the soil by this ploughing, which cannot bo obtained when the lund is sown whth the vetehes. The ammal weeds on the old surface are preyented from rumbing lo seced, sidd a suew surfice is expesed to the atr and frost.

The ryc will be fit for consuming the last week in March or the firstin Apil, or if allowed to temain until the middle of the litter month, it will carry a greater quantidy of arocl:. After it is thoroughly caten up, it shonld be frecd, and by the first week in May, will allord another pasture of finc young nutritious feed; at least, in ordina. ry seasons. It is badmanagement; though some.
times practeced, to alluw dhe ryo co remant un caten until the sead.stalk be erows co showet, for in that case it will become moch lese palatable atat useful. 13y consumin; 11 g ouns, 12 is meth more valuable, and the suctession crop equally to as the lirst.
The sceand crop being consumed, the ponan whet be putt moto operation, and theson! prepared for the succeching crop; ;ind the allantage of its culivation, by mothatas amull vite, th, the: it interfores wiht no wher cruab.
 the subsequent premarition of the forl. 'The wro. ter's pracuce is defferem to that of most other parsuls. listally iats crawaphoughad a tortmpht after its siast plourshag. Thase is tiats lost, ama the shees are cat into supures dathenle to he ace. ed upon by the harrow. The wrater betans to harruw as soon as the nevke turmed up surface of the first plomeling is sufficionly dry. IThes brimssup the lowest part of the roots of the weeds and closes the interstices of the fitrows, so thent the remains of vegetation hemg covered, depriv. ed of air, and gathernig monsture, hegin to de. compose. Instead of crasephenghing, 11 is og.un plonghed leughmays, and iloc ofd surtace again brought up and harrowed. The weeds separate mach more easiby by the process, and mueh time and labour is saved; the same prartiere is applicd to hastard fallows whl the same erool efferets.
Lfye has the decided advambite of heing rapa. be of resishang any concerable degrec of frost. and wisencrat the hat dy whatl is canted wif by an unsenial scasom, it will reralme jnimer, athd eventhrive. At sins whe (Fobruarv $21,18.10 \mathrm{~m}$ the wruct has a plot grownge tor teed which
 minture of artificial er:mers in the mikhle of Aprul, and that on at thin dieht soil not worth
 rape has succiade d, esern to dhs seasun of meer. sant rain, which prevaled nut onily in tiu carly stages of its arowih, hat ever sine it was sown. It can bear so much and constant wet, worse even than frust.
The expense of this crop wall be sume where to under. Say peracre-

$$
\begin{aligned}
& \text { ab himshels of rye at is. 6id...... } 11 \mathrm{~s} .3 \mathrm{~d} \text {. } \\
& \text { f peck of rupe................... } 0105 \\
& \text { I2 } 113
\end{aligned}
$$

It siould be remembered that lus interferes with no oparation of hushamiry, and prevents no crop, so that no rent of hamd or other extras are to be reckoned-the pheghanses would be nearly the same if the rs c wern an suwn. No:hane ts better rehshed by stock at the yo :son when it is mended to be uscd; a ghtide by momenos an. safe as to its nutrimes tuahmes, and whath is bornc out by the condition of dac stuck lecdang on it.

To recapitulate the advantages of its cultiva. un :-
I. Prosesuan of caceltent green fuod se made It a seison of the year, wimit of all others it is mest wanted.
11. It is produced withat sam rifione any por.


 crops.

1II. It will grow on any eonl, mint is cspectioliy calculated for inoor luose sind, when every other green csculent is mure or less uncertam.
IV. It will herar any didurce of frost to wheh our clunate is subject, and is sundi memly hardy to dety the e Eicess of the culdest xituations in the comatry, being thate culanated anstesd of wheat for a curn coop from an o risity
V. It is as ineapenswe of ente so than any grasy or heguzamone plant.
VI. It is readily consented by siock, espectally yours animals.
VII. It improves rather :han deicriurates dee all nimon whicla is is tiruwn.
Thorpfeld, near Tharsi, Jorkshire.
We strongly recommend exporiments on this pan. We know that calto suther severely- here for want of food in the spromg. Lye will anewer oll the purposcs of winter tares, that are found so useful in England, and tares would.niot stand, our. winters.

## agriculitural repolit for canada EAS'T.

Fross the date of our last Report to the ond of July, ond for the fitst week of August, rain fell frequently, though not in large quantut; ind as that happened to be the period of the hay har. veat, a vely consideratle portion of the hay reeevived some degree of injury in curing. Astight ehower in the twenty.four hours may enuse injury to hay that is in process of curing, though it might have a beneficial influenco upon every other crop of the farmer. Unsetted weaher, during the hay harvest, causce also a great loss of labour to farmers; and this has been the case this season. Rain has come on when bay was ready for the barn or stack, and unless in well made cocks, eceure from the effects of wind, it has been ren. dered unfit to cart untul again sprcad out and dried. Those who are unacquained with agriculture, often charge farmers with being a contplaining and unihankful class, but if those who make these charges were to be farmers only for one season, that the wenther was broken and showery during tho harvest, we are almost con. rinced they wrould complain more thon any prac tieal farmer ever did or ever will. A practical farmer is generally prepared to expeet these occurrences, and endeavours to guard against them as much as possible; but the farmer of one season, would not have cither experience to direct him, or patience to submis to the injury to the crop, and the loss of woges and of labour that would be the consequence of broken weather. From the 10 h of laugust to the presem, the weather has been very favourable tor the hay and grain harvest, a:ad most of the hay and batley in the District of Montreal is secured. We are sorry to report that wheat is almost a totai filure, ne believe generally throughout Canada East. Between the fly and rust, or mildew, the crop is not of mech value. We were mduced to sow a small quantity, both of fall and spring wheat, in conseguence of the repored success of others in growing wheat last year, but both are nearly a failure; the fall wheat from rust principally.From the date of our last Report up to this time. the weather was exactly such as would be sure to produce rust in wheat cropo that were Inte, and the straw goft and green. We had ram frequently, fogs occasionally, copious dews, and calm warm weather generally, and under such circumstances, the growing wheat, cultivated as it usually is with us-sown broadeast-and having much erass and clover, if not weeds, growing with i , we could not expeet that it wnuld esespe rust ot mildew. We are of opinion that rust may be prevented in a concodrrable dirgree Thorough draining-the apylicotion of lianesowing in drills-hancing the ernp-and pectent. ing the growith of all grass and wecds-we conceive would greatly check, if not entircly pre:ent, the disease of rust or mildew in ordinary scasons, The aphication of lime would make the straw of wheat more firm and stroug to resist discase.Ditling would allow a more frec circulation of air, and hoeing would prevent the growih of every plant bat that cultivated, and hence remove all that would have a teadency to retain moisture too long about the salk of the growing crop, which we believe to be one chief cause of rustthaifh biot the caly onc. There are in moss
sols, salts that are known to have a tendency to produce rus! in wheat; mail their influence is overcome by the apuleation of lime. Sowing wheat in drills, and hoeng the crop would have a benefienal infanne in depriving the wheat ly of lis hiding pace, and perhaps the place of its production; but unless this system was to be generally aduped, it would not have much effert in checking the fly, becanse the farmer who would nut adupt the system, would stall continue to keep the insect in oxisience to destroy his neighbour's crops as well as his own. Furmere have boasted of raising crops of wheat when others have failed to do so. It was not by any superior culavation or management that they have done so, but increly from accidemal circumetances of the wheat not coming into car, at the particular period that the fly was presont to deposit its eggs or larsic in the ear. If the fly is in existence (and it generally appears about the 25 h of Jume) when the wheat is coming into ear, no mode of cultivation that we are acquainted with ean save the crop from their ravages. We state now, ns we often did before, that it wheat was sown early in the fall, on land prepared by summer-fallowing, and dressed will lime, the sced deposited in drills, and the crop once hoed in the first week of June, it might escape the fly as it would be early in ear, and be also free from the disense of rust It is useless to sow wheat, unless cultivated in this way. Indeed it is only wasting land and habuur, to produce food to sup. port the most destructice insect that everaflicted mankind. This matter is of so much importance that we beg to offer a few more observations,Last fall we purchased some seed wheat import. ed from Canada West. We perccived at the time that the sample was mixed, but we had no remedy as we could not procure better seed in time to sow, as we were anxious to eow early in September. When the wheat cume into ear, it proved that there were five or six varieties, and also some rye. It came into ear the first week of July, and the fly was very numerous at the time. We now find that of these varieties, there are two that have searcely suffered any damage from the fly, while all the other varsetics are nearly destroged. The varicties that are safe, have a strong rough ear and very thick glums,one is bearded, and the other not. The varieties that are tamaged on the contrary, have a smooth car, and to these circumstances we attribute the safety of the one, and the damage of the other. The Iy is a very delicate one, and is not, perhaps, able to pieree with its ovepositor, the glums of the wheat that is rough and thick, to depusit is cers or larve within side of these glums.We have heard that the variety of wheat, known in England as the Cone Revit, or German Thick set, is proof against the raviges of the fly. We have never seen this wheat unless it be one of the varicties referred to above, and we think it probable. The Cone Revit is a coarse inferior "heat, of about one fifth less value than the bes English whents. We have seen, however, the report of an experiment made in England with scveral varictics of wheat, and the Cune Revit was one of them; and from its largo produce in straw and grain, it was ararjy of is much value as any otiter variety tried in the experiment-and of moze saluc than some of them. We dud pro-
found safe from the fly, but the sample was so injured by the crop becoming rusty and mildew. ed that we fear it would ecarcely vegetate. We have repeatedly reminded our importing mer. chants. that a varicty of wheat miglut be inported from England that would resist the ravages of the fly, but not one bushel has over been mporicd to our kruwleuge. If we conld even grow an in. ferior wheat that would be safe from damage, wo ehuuld be well sansfied. Though thesecason has been auch as to produce rust, other scasons may not bo so. It is another proof, if any were want. ed, how much our agriculture and our interests are neglected, that no new variety of wheat has been imported to make experiments. Our Govcrnors and Legislators have for the last eight years, been perfectly aware of the misfortune and loss the country sustained by the failure of the wheat crop; and yet not one has moved ane step 10 remedy the esil, though they have been made acquainted with the circumstance, that there wera varieties of wheat that might bo successfully grown here. It may be replied shat these mat. ters should be left in the hands of provete indivi. duals who are most interested. We beg leavo to deny this, consuderng the situation and circumstances of the agricultural population of this country. We humbly conccive that under such a calamity, as deprived ninc.tenths of the populaton of their principal means of subsistance, the Government and Legislature were bound to in. quire into the subject, and do all that was possible to provide a remedy. Thero are no private in. dividuals here that possess sufficient wealth, and feel sufficient interest in the prosperity of agriculture to undertake the trouble of inquiry, and the capense to remedy a calapmity of this naturo and magntude. If a remody was practicalile, any expense that would be incurred by the Government would be soon repad. A poor popula. tion cannot contribute much towards a revenue, If they have nothing to sell they cannot purchase articles that pay a revenuc. We may be blamed for speaking thus plainly, but we do so from a sincere conviction that if any remedy was possi. ble for the calamity we have so much cause to deplore, cvery class of this community would be greatly bencfited by it, and therefore we conceive it to have been a subject well deserving the at: tention of the Government and Legislature. If the country was naturally unfit to produce wheat We sinould make no complaint; but the country has produced good wheat, and we believe would do zo agram f proper and judicious measures were aduptcd, by introducing new secd, and a more sutable method of culuvation and management. Whatever may have been possjble, the agricul. tural class owo no gratude to any quarter for having taken any measures for tuen relicf. They have been left to themsclves to sunk into poverty; or rise above it in the best waythey could. Had such a calamty occurred in England, every class oi the community would have united to inquare into the matter, and endeavour to scek a remedy if it were possible to be. We are still of opinion that a remedy is possible here by adopting the proper means. For the present we shall say no more on this subject.
Oats have crenty improved since our lact Report, and where any justrec have been done to tho soll they-will be a good crop. The widd mustara that prevailod so much in-July is anow' in
seed, and docs not appear in the crop at a dise tance, though it is there in abundance. Thistle and other weeds that are higher than the oats, are still to be seen in thas crop, in peas, and by the rond sidu and fendes. We hoje that a part of the oat crop will be manufactured into meal, for exportarion next spring, as it is very probable the price in the British market will be suffictent. ly remunerating to thuse who mayshipit for that country.

Pcas lave suffered by midew, but we believe there will be a large crop of them nurwithstand. ing.

We have not seen much rje this year, and can. not report the state of the crop. We believe it is likely to be injured by the fly as usual. Indian Corn has improved very much; but we eamot say whether the crop will ripen properly and prove a profitable onc. It was very much se. tarded in its growth this year, by the cold and wet in May and June. On soils that are suitable for it the cropmay still be good; and it should not be planted on noy soil but that wheh would be suitable in any scason.

Buck-wheat looks well and there is a consider. able quantity sown. We before observed that the barley is a good crop and now safe. Thas crop fortunately escaped the disense of rust and mildew, as it was ton far advanced towards ma. turity before the scason of rust. Alt other grain crops have suffered in a greater or less degree from this disease, and it materially lessens their value.

The potatoe crop in the neighbourhood of Montreal is generally good; but we have ob. served that the ee aro many failures, both from dry rot in the seed, and from menfficient drainmer. This senson was not the most favourable for the cultivation of polatoes on clay lands, in conse quence of the frequent rain during the time of ploughing them. The sull in the drills of such lands is now extreniely hard, atd not fivourabie for the prodaction of a very large crop per acre. There will, however, be abundance fur our wants.
'I'he hay crop is abundantly sufficient for all our wants. A part was injured, but a large quan. tity is well got in. Fid we the supply of our own markets with all the agricultural produce we could raise, we could convert some of our hay into beef and mutton; but that privilcge is ds. nied us. The consequence is that hay will scarcely pay for the labour of cuting, saving, and taking to market. The pastures have been bet. ter this year than usual. Dairy produce is abun. dant a.d at a moderate price. It should be a cood season for fattening cattle and sheep, if we done much. in that way; but there is no encouragement. Wंe hope the ume will come when we shall have a large proportion of our best lands applied to this purpose.

Fruit is scarce in this neighbonehood The orchards suffered much in the spring from the ravagcs of the catterpillar, and also from night 'frosts.

Throughoat the serson, labourcrs have been to hire at mote moderate wages than usual; but still too high in proportion to the farmer's means of paying them. The dopression of agriculture, and scarcity of money, checked all improvements with farmers, and even prevented them exccut. ing works that were necestary. Other classes of 'this community will discover how necescary it is to their own success, that this country should Field an abundant and valuable productuc 0 . No foreign produce broughtinto it will cnrich t much, onitu paid for by a produce raited here from our
own lands nud indusiry. We are recenimg a large supply of the most valuable commodity that could be sent to us from the Brustitstes, in ablo:bodicd man, if wo onls emplay them asefitly Would it not be the daty of every one to try all possible means, that they slowld be able to raise in Canadathe bread and meat for their own food, and not he depending upon a foreugn cunt 'ry fur it? Any man who sees thas fine country, must be astonished when the learns that it is not pro. ducing fisud fur her uwn thin propitation.

Cote St. I'uul, 26th August, 1812.

## DRAINING.

This is the best and most convenient scason in the year for draming and top-dressing grass land with compost manure. Unless draining is attended to now, it cannot be cxecuted so well at any other time during this year. One man will do more work at draining at the proper season, than two men wall do when the soil is too wet, and the days often wet and nhort. We have repeatedly stated that perfect drainage would effect more improvement in the soll here, than any other plan that could be adopted. Indeed it is imposstble that any profitable inprovement can be miroduced in our agriculture whout more perfect dranage. Much of the efficacy of drains wall depend upon then proper formation. Inevery soij oper drains should be well sloned, to prevent the sudes falling in after frost. For all small drains, the width of the shovel will be sufficient at the bottom; but drains of two fect deep shonld be from four to five feet wide at the top, and those of two feet and a half to three feet deep should be from five to six feet, and perhaps wider at the top. In the mudile of arable fields, it nould be well to have drains so sloped, that the plough and horses conh readily pass through them. These sort of drams louk well. answer every necessary purpose, and are easy to keep in order.

## FLAX.

Flax requires a great depth of soil, as the fine suckers of the plant are said to strike down to at least a third of their height above ground, where they can penetrate the soil. The manure should be put moto the soil one year before the flax is sown The ground should be fine moulded, and the seed put in with care, so that it be not covered of an average above three inches decp. The soil should be well draned, as stagnant water is very injurious to it. In the district of Courtrat, in Belgram, the flax is dried and kept over until the following epring before it is steeped, and this mude of management is said to improve the quality of the flax, and that the longer it is kept before it is steeped so much botter the flax wall be, provided it is lept safe and dry. The pus sinould be formed for steeping flax, three months before the flax is put into the water. The water in which flax has been steeped is sad to be a good manure for top-dressing grass, and the husks of flax to be oxcellent fecding for cows-in fact the best of feeding. It was ascertained last year, by a Commitico
of flax had been importei into Britain from forcign countries, at a cast of six millions pounds sterling. We have no doubt that thax mutht be produced a Canadia by cultivatiug the land properly, is they do in Belgrum fur this crup. We have thes year, seen crops of thas sgrown in Canada East, that were of mudllmg quality, nutwathstanding the soll was culturated in the most slovenly manner possible, and not manured, or tho weeds taken out of the crop. Indeed wo never have seen, in this country; one acre of land properiy cultivated for producing a grood crop of flax. We have for many years, urged the expediency of encouraging the cultivation of flax, to make up, in some degree, for the loss of wheat, but no attention has been given to the matter-another proof, if any is wanted, how litle the interests of agriculturists was regarded by our rulers, legislators, or men of maluence in the country. The most unimportant political party question would attract attention, obtain consuderation and discussion, while the most important interests of the country has been utterly neglected, as if they were undeserving the sloghtest consideration. All political parties have alike neglected our agricul. ture.

We copy an interesting parayraph from a communication which appeared in The Mark Lane Express of the lst of August, relative to the weight of catle in different degrees of fatness:-
"The gross woight alone is an imperfect test of condtron-itie lieaver anmals are not always the fatest, more the smaller ones unarnably m a lean state; the weight of a carcase or quarters of aminials, in different dergrees of condition, exhibit considerable variation in relation to their weight alive; the carcase or quarters of oxen, for instance, are found to bear the followng proportions to the gross waight :-


It is universally admitted that cattle ought not to be put to rich pastures or forcing food, in a :ower etate of condition, than that denominated half fat."

Cons Laws.-We wish to call the attention of parties, who are so fund of contending that the liritush farmer has considerable protection by the exira fregigt whuch foreiga grain has to pay when mported into this country, to the fact, that there are at present in the 'Tyne three vessels with wheat, one Irom Bremen, at sirpeace jer quarter ireight, another from llamburgh, at ninepence per quarter, and the other from Stettin at two slalings per quarter. Vessels, we are intormed, are freighting from the ports in the Mediterrancan at 4 s . 6d. per quarter for wheat. Now, the majority of these rates are much below what the fermers in tioe northern countics in England pay before thear grain nets to market - A:socass Jostrnal.

## POETIRT。

## (Conied from Tha Marh Lane Express.). <br> 1) UST!

Oust! Dust ! thou art ohd in fame.
Fior man gamed from thes has firm and hio name And thonsh prond he may be of has molle hane,
Clew hasehthest rate are but sims of thine.
Thum wet the fined of the fint latse thang,
Thas glacingly coiled witit a budten stmen.
Thum wert elire col, atud that chres s. casturg now
While the firrens is must with "the swoat of
thy brow !"
Shous chubrey the arivan over hix torn,
Thou duellest with the skulls on the dead.strewn suis.
Dust ! Dust! who shall instrust,
Absgling with thee, and the moth, and the rast?
Whries thatlook on ten thmenmed fues,
With unshaftink saze, aud a firm repuse
From the commed dust will turn mad shrink,
Wible retroctugestops, and a cuwardly wank.
The maidern's dark eyes shall congtar all,
The pruce and the peasant ahtermay fall;
Bat sho r brilliamt oriba shall quad to mot
Old blustering March with he whirlwad shect: For the gimee that bids each captive surf),
Oh! "here sists might when thero's "dust in the eye ?"
Dust : Dust ! thou art radelv thrust
Ontho prescit une's face and the Rast onc's bust !
Oust! Must! where'er we may be,
In palace or hut, we are josted by theo.
Fcintered over Creation thy atoms we find,
'lhon ridest on sumbeams and mounteth the wind.
Thou att watched for and feared on the red desert groumed,
At the hearih of our horoe thou com'st edding round;
On tho threshold and housetop thy presenco is scon,
On the high ntountain path, and the hedge-row greca.
In the craile's fair crivice thou stealest to hude,
And thou'rt thrown on the collin.ldd, dumning hispride.
Dust! Dust : who shall distrust,
Mngling whih thee, and tho moth, and the rust?
There's a famous old dustman concs cloaning the way,
II gathers by night, and he gathers by day; He sorts the shroud rape, he heens gray benes, And locks up his stores moder marble stones.
When he comes for your ashes you know him till well,
For lie carrics a scythe instead of a bell.
His name's, oh: whisper it kinder your breath,
For 'tis he-the inmortal old scavenger, Death. Make ready-make ready, ye shall and ve must. Thrre's no putung hum of when he calls tor dust. Dust ! Dust ! who shall distrust,
Mingling with thee, and the moth, and the rust?
Eliza Cooke.

## IIIR FARMERS' SONG.

". Welliffarmer, how speakell the weathor to. day?
How springeth the seed through the smil?
And how, when therr trust thesc broad acres re. pay,
Wilt thon find the reward for theirtol? ?"
The farmer look'd up through the calm of the sly-
The farmer lonk'd ont o'er his field,
And lie paused as if scana,ng wath spme and cyc.
The harvest diose acres would yield,
"For years have my forefathers followed the plough,
And the harvest the Godhead thas given!
Wath the fruts whein autumn, hoy shook from the bough
They gave to the purpose of heaven :
The fruits have the board of the festival grac'd,

Ambl he grain has been ground in the moll;
Where !? ; ;oor have reģuir'd, it has frecly been placed,
But it never was food for the still:
"All blossugg have follow'd to them and to therts,
Amb plemy, and plensure, and peater ;
They son'd not ul evil, hey reapid mat in tears, Aud carh scasm was crow"d wath merease!
like them have l sow'd, and like them have 1 mow'd,
And I'ver reapid, and I wegatherd like them; And white I tread in so himeless a roid,
Neithar lleasen bur earih will condemn?"
TIE ROYAL, EN: IISH AGRICUITURAL, soctio'y.

The Anniversary Mecting of the Roval Arricultural Surety of Engriand, was held this day at their honse in Ilanover-square ; Henry Haudley, Esqr., President, in the chair. The following report of the Council was read:-

## ntront of the counchi.

Four years only have elapsed since the foundation of the Buglish Agriculural Society, and two only from the date of its incorporation to the present time. In looking back upon the progrese of its labours and the steady prosecution of its national objects, it camot fail to be the source of sincere graiffication to its numerous membere, and to every well-wisher of his country, that, based on principles of the soundest policy and most evident practical uthlity, this society has succeeded in impressing on the agricultural world, a just sense of the incalculable results which nust attend the rational appheation of science to agriculture, in increasing the immense capabilities of our native sonl, and in developing the hidden resources of the empirc. In that short period the society has laid the firm foundations of its future progress; and although the full accomplishment of its objects can only be the result of a more extended sphere and circuit of its labours, the influence of its example and operation has already tended to ciear away those local prejudices in farming which from time immenorial had proved the fatal obstacles to improvement, and has excited a candd spirit of inquiry on every sub. ject connected with the common good of the country and the individual interests of its members. The good seed has been carefully sownt the young plant is up and thriving, and there ts every promise of an abun. dant harvest to be reaped in future years.

The motho of the Socicty comprises in the terms of its cnunciation, the vital germ of every progressive and stable improvement, not only in agricultural cconomy, but in every other branch of national industry under the directuon and control of the mind; and the union of practuce and science constitutes accordingly the perfection of our principles of actoon in every department of good husbandry, the salutary restraints of the one principie preventing the undue preponderance of the other. 'The routine of local practice and the lmnted rules of cultivation unvaringly adopted and followed in particular districts, have at Jength been found not only to be imperfect means for the attamment of the end in view, but being confined to their own peculiar case they have had no general application because founded on no general primeiples. While, however, these local prejudices have solong proved obstacles to improvement, and are necessarily the result of the adoption of practice only, obsolete in its date and uncorrected by intelhgent principles, the Council are most anxious at the present moment
to guard their memhers against the opposite evil of the undue and arbifrary application of mere unaded and theoretical acience to the operation of agriculture. It is the natural tendency of the human mind to run into extremes, instead of holding the just balanco of digpassionate reason in the pursuit of its inquirics. No soner ate men convinced of one crror than ther liability to fall into an opposite nue becomes apparent: and in the case of agriculture, the prejudices of past ages having given way before the salutary conviction of just principles; it has naturally resulted that the evila of the present day are these atiendaut on an incorrect or undue appreciation of science itself, or of scienre falsely so called; practice, in many instances, instead of bemg enlghtened or directed in its operations by the guidauce of novel and untried theorief, being only found to be disturbed in its course by the adoption of suggestons for its improvement, derised from a seience hastity assumed to be perfecis whice its ver! elementary truths are cuther distorted or imperfectly understond. To discover the recoudite laws of vegetable life, and to ascertain the effect of chetuical influcace, as well as of mechamcal and physical condtion, in promotang, retarding, or modıfying their agency, are among the problems of a hgher science than we jet possess, and it is the empirical assumption of fallacsous principles having the semblance only of truth which leads to so many false theories and wrong practices, and brings degrace and injury on the just cause of a sound and discrect application of genuine scrence. It will be the constant duty of the Council to tmpress upon every member of the Society their untiorm and decided opinion that experiment trust ever form the mdispensablo basis of scientific truth, and practice the only sure and satisfactory toad to agriculs tural improvement.

This report states that the present amount of members are as follows:-

$$
\begin{aligned}
& \text { Life Governors................... } 10 \text {. } \\
& \text { Governors.: ...................... } 211 \\
& \text { Niembers: . . . . . . . . . . . . . . . . . . . . 5,194 } \\
& \text { Total, ........ 0,834 }
\end{aligned}
$$

The temainder of the report is not patticularly interesting to us.

## THE COLIC IN HORSES.

Causes.-The colic is sometines occa: sioned hy perspiration being suddenly checked from imprudent exposure to wet or cold, or drinking a large quantity of cold water when the body was heated by exercise, or it may be produced by eating 100 much immediately after fatigue, or by bad hay, new corn, or whatever is new or prone to foment; and sometimes it may originate in weak and delicate anmals, from the fomentation and confincment of air in the intestunes.

Symptoms.-This disease is generally manifested by the horse's suddenly lying down and rising again, and sometımes striki ing his belly with his hind feet; he stamps wihh his fore feet, and refuses every kind of food. When the gripes are violent, he throws up his body in convulsive motions, his eyes are turned up, and his limbs are stretched out as if dying; he falls into profuse sweats, succeeded by cold shivering fits; strives to stale; turus his head frequently towards his hlanks; rolls over, and often furns on his bach.

When the pulse becomes small and feeble, the horse frequently lyng on has back, and voiding small portions of dung like
and his lege and cars cold, it is a cortan indication that inllammation has taken place. When a mortitication advances, the ammal appears free from pain and easier, which is a sure prelude to death.

Cunk.-Inall cases of the colic, elysters should be admmistered with as hotle delay as possible; and repeated every half hour until the disorder be removed or considerably relieved. Previous to introducing the rlyster-pipe, the hardened dung in the rectum should as before stated, be cleared away.

Mir. White recommends to give, as soon as the disurder is observed, the following draught:-

$$
\begin{array}{ll}
\text { Balsam of Capivi, } & 1 \text { ounce, } \\
\text { Oil of Juniper, } & 2 \text { drachne, } \\
\text { Simple mint-water, } & 1 \text { ounce, }
\end{array}
$$ to be mixed in one dose. Or the flllowing: Venice turpentin, one ounce, mixed whih the yolk of an eger ; adding gradually pep. permint-water, one pint ; also pirit of nitrous ether, half an ounce for onc dose.

A clyster also should be injected, consisting of six quarts of water-grucl, or warm water, and eight ounces of common salt.

If the disease has continued for several hours, and the pain excessive, with a guick pulse, it will he proper to bleed to three quarts, or sometines more, to prevent inflammation and remove the spasmodic co $n$ traction of the intestines. The draught and clyster should also be repeated, and the belly be rubbed for a leagth of tume with mustard embrocation. If the disease be excecding volent and ressista these remedies, which will very rarely occur, a pint of castor oal, with an ounce and a half of tincture of opimm may be given. 'the horse must be rubbed perfectly dry, and well clothed; and his stand filled with clean hitter for a considerable hight. - Lawson's Modern Farriery.

## SPRING CARRIAGES.

The great advantage of springs in lessening the labour of draught has been ably illustrated by Edgeworth, who thus explains their action in thas respect: - "Theory nhows," he obscrves, "that whilst the wheels of a carriage pass over an obstacle, the loal on the carriage must rise along with the wheels, unless it be supported by springs; but that if the load be hung upon springs, whilst the carriage-whecls tend to throw the load upwards, as they rise sud. denly over an obstacle, the springs will bend, because they are opposed not only by the weight, but by the load acting downwards; and the load will consequently not be thrown up suddenly so high as if there were no springs." But the advantage does not rest on theory alonc. Among the interesting experiments on carriages, of which the results are recorded in Edgeworth's treatise, are some which are very decisuve as to the faving of labour occasioned ly them. In one experiment with two wheelled carrages, a gross load of 8 cwt. 2 quarters, was drawn with rather greater ease with springe, than a gross load of 5 cwt. 2 quarters, and 7 lbs . without them. In another tral with four-weelled carriages, the gross weight drawn with and without springs were respectively abont 17 cwt and 15 cwt ; but in this case, it is stated, the carriages were not loaded sufficiently to bend the springs with fachlity, so that their full effect was not ascertained. Some of these experiments were directed to the effect of wooden springs; and the results were sufficient to show how much miglt be gained by their general adoption in such carriages as are
generally constructed without any springs whatever. In one of the cases related, a man was foume capable of dranng in a two. wheelled earriage with wooden springs blocked, to prevent them from acting, a load of 2 cwt ; but when the springs were al. lowed to play, lie drew a lo,de of 3 cwt . : quarters, with equal case. Bilgeworth states that he had emploged carts with wooden springs for nearly four years, and lad used boti straight and ciliptic wooden spriugs successfully. IIc recommends as cheap and durable, a piece of common tough ash, five inches and a half deep in the onidulle, two mehes at each end, and three inches broad, mounted on fixed shackles at one emb, and with linking plates at the other. The iron work of the sharkles will hast for many years, and the wooden springs may be renewed at very trifling cost. Three wood. en spriggs, counected in a eimilar manner to dimet-springs, may be used conveniently


We have no doubt, that the adoption of wooden springe in constructing common: carts, would enable a horse to draw a load on our meven roads, whth much greater ease, than in a cart without eprings.

## SPRINGS.

Rain and snow fall in quantities so unequal in different districte, and on soils which exercise pon them such various influences, that the phemmena of springs, wheh are prmarily dependent on the penctration to sume depth in the earth of water which was absorbed at the surface, are extremely complicated and curious. It is very interesting to geologists to classify and determine the causes of these phenomena, and very important in agriculture and the arts to acquire a power of directing the water currents in and bolow the soil and strata.The art of draining consists essentially, in dwing to the diffused and injurions springiness of particular soils and situations, a concentrated, perhaps bencficial current; wh le artisian wells relieve the hydrostatic pressure prevale:at at great depths, and yield copious streams in dry lands and deserts.

As a generai rule, springs are permanent in proportion to the depth to which the water which supplies them has descended from the surace ; they are peremial and almost inappreciably constant in temperature and volume, whether hot or cold, copious or full, in situations where, from the arrangement of the mineral masses of the globe, deen subterranean channels exist for the reception of min, and particular impediments direct and contract the passages of reflux to the surface. Such cases are common in stratified countries where jointed limestenes or sandstones receive vater at clevated points on the surface, and condact it downwards below strata of clay, which are only pervious at a few points, and there permit natural discharges at mwer levels than the recipient surfaces. Freguently these armilaceous strata are so nearly mpervious, that artificial perforations reliese the pressure of the suhternaneous columns of water lictter than the few natural points of efllux, and thus pits and levels exeatated for mines may drain springs at some distance.

On the contrary in a country which contains narrow and frequently mised masses of clay and gravel, or clay and sand, which cover the sold rocks, concentrated springs are almost absent, but there is a prevalent termidity and diffused springiness along the limit of the gravelly or sandy tracta. After
and wetnoss disappear, to be renewed after the next fall of rain.

In general then, the water which issues from the earth in one copious spring, has been received by minute absorption on a large surface; as the living tissue of a sponge receives water by absorption through the nimerous pores, collects it internally in a lew channels, and rejects it by a ery limuted number of orifices, or as the cupillaries collect blood for the veins, and these supply the heart, so the porous texture, and chamielled structures of rucks permit that continual circulation of water lelow the earth's surface on which, in a great degree, its habitual character depends.

Between perennial or constant springs, and those which are merely dependent on the last shower of rain, the graduations are msensible, and the explanation is entircly olvious upon the general principle stated. One of the most meresting cases of this mitermediate series. is that of the minermitung springe. It is a commoon circumstance on the chalk downs of the Sunth of England (Wiltsinre, Dorsetshare), for the valleys to be quite dry in one part of the year (autuma or wimer), and very fully watered manother (spring, summer): the springs hurstingt higher up the valley in some years than in others; accordng to the quantity of rain which fell in some procious season (as the autumin) and the rate of its transmissions through the jointed and absorbant chalk- Il.

Srrani, or Strain -Is an injury of muscular or tendinous tissuns, resulting from their being furcibly stretclied beyond their natural length. The treatment to be adopted for sprans is the immediate application of leeches, in number proportonate to the injury and to the importance of the part.They should be repeated till the pain and swelling are distinctly decreased; the part should be kept perfectly at rest and cool, and the patient's general health should be kept or made good. When the pain has nearly ceased, and there remains little more than stufness of :is injured part, stimulating liniments, (the common soap liniment, or a mixture of hartshorn and oil for example) may be used.

Rutiandsure, is one of the best cultivated counties in Rngland. Thirty years ago, it was sad that half the land was under grass, and that there was only thiriy acres of waste land in the comity. The pastures are said to produce from 800 to 400 lhs . of meat annually per acre, whech is generally worth from C6. to C8. 'The plough in general use is one wath two umgual wheels attached to the beam, one of winch we have imported, and is a most eaceilent implement on any lard that is free from stones and roots. If our nastures in Canada were improved and tahen the same care of as in Ruthandshare, periaps they would produce nearly as much meat par arre; but we have no such thing as pastures here, such as may be seen in almost every county of England and Ircland. We cannot fitten cattle unless we have such pastures as they have in the old country, and the sooner we turn our atiention to thie yarticular braneh of farming, the better it will be for the farmers and

## Mr. Howitt's South Down Ewe.



We beg to cubmit to our Aercultural trit in necupy it, you heve a botandless mar-
 Isiverpool Correspondent of the Montrea Gazelle, dated the Brd of Auyust. Tha writer, ater statiln' the pre butide lues w American flum expoted to Lasepuol trona Cạnedh, says-
"I thatk you had better finten semlit wish your grail, then grem it into thous on any such speculaton; and the hrmere m? tu a other biauch of the great fuud queriom.
"Since the Tarit caue in"ouprea in, the expectation of getting hae $\leqslant=1 / \mathrm{h}$ iron, the continent have become more and whe has: thut there has been a comsinher.h.,. themat ot cured meats. Amerivon pickled tul.juec, very gnod, are supplied at athent se-s the cwl ; American hame, of very twicrable qua-
 German hame, at 50 . Sheme whe "his sale prices. The bret r'unburt: 4 ham. may be quoted at 70:-romur we chuce onee, for private use, at 0 . ; Irsis hatus m
Liverpoot, at $G 15$. to fits. At the a prace, I consder that, for famly ure, the If - had British are fuly as cheppan either the dasrican or the German, berause lify wr: hu ro salt; consequentiy do not rimire the ir goodness to be much evhasted lie boulluas the former, ant heirint is in lethe condition than in enther. There nowhs cocs prospect of thow articles in a int.ining subut thing very like present prices, and the slightest rewval in trade is felt yery seaso bly in the demand for bacoa. Jun shumia, in tny opinion, at once get ril of the flus, trade, intil times ch inge, al conlyetil
 with the advantan no 3. 6i daty, ir comd of 14s., you can beat the Yomliefs in the article of hams; if no', it sayslitie for your farmers. But 1 see no reasnn wly ywu


 Gnown in our mathels ar youl. Cumbertand ham will, as Itell you, " ue at whate 70s. easily. It will kerp pirteren tanthe and improve if properiy packin: and that is just the thing in whicia Xuiserican hms; I bave seen appear to me to be deficient-a' will cross the line once or twice, aud ent perfectly good in Calcutta or Sidney. You have every advantage; you have a temperate climate-have oif ${ }^{\text {a }}$ Hsh breed oi pigs Thave plenty of corn and peas to fatten
less than any other, and which is vexed by no "sldung sealc," and litle affected by the frasons. It is a very few years suce the ALassols, (livtle forniners and provision dealers), went out of the west of Cumberlaud to lanerick, and now they kill and cure, cvery year, for the English marke', 30,000 sume. I do no: beleve your whole contu. nent anede us 0 much as that one house.
"Ithe coming :"tos uffect of the new tariff oreasinned ? ${ }^{2}-$ d dral of stur an the ports. Many artioles on uitula the duty was lower. ed, were taken oit of tond to a consuberaWe ex'ent, particular!y co月iee. Our expart true is a little livelicr, and thore are signs of improvnnnnt, paricolarly in Manchester and Londs. But, alugether, the country inminues in a very bad state, and the prospert of a fine harvest, and the low value of mones, with the autumoders, could scarcely hive dome less for us. The funds are firm, but not very high; thourh money is so plentiful, there is a remarkable mdisposithen to invert in stocks or shares, natuve or foreien. Money is accumulating in the hands of the bankere, and gond bills, even with three months to run, are freely discomited at $2 \lambda$ per cent. in Lomion-so diffirm't dons it appear to be to employ money profitably."
From this communcation it would appear that so rethng might be done in the way of fatemine and curing meat for the home market. But if any thing of the kind will be ennmenced, we shall have an unmense im. poriation of Lecf and pork from the Unted States, and it will be the meat of that country that will be shipped by our merchants instrad of C'anadian. But in any case, it would be well if we lad establshments here for curing beef at.d pork in a proper manner fise the Enghsh market. One thing is certani, that unless the meat is prepared in such a manner as will please those who are r-pected to become customers and buy $1 t$, it will disappniat those who ship it. The chef pount to masure success in the trade, is to cure and prepare the meat according to the English system. We generally entertain too high an opinion of ourselves and of our manner of dong business on this side the Atlantic: but this high opinion of our-
selves will not sell our beef and pork to buglishmen, uniess it is cured and preparod to suit their taste, and we may give Englisb. men credit for being as good judgee of the perfection of all sorts of meat as any other tnen on earth. We must, therefore, conform o their tastes and opuicons in prepar. ing meat for them, or we need not send it to thein.

We perceive, by the communication re. ferred to, that money is abundant in Eng. land, and woull be readly luvesied at security and protit coald be offered to theso who have captal. If dur affairs were in a healthy otaic, and atl matters proceeding with us as they might le, there would not be any diffeulty in obtaimog capital to any extent that it might be required for useful employment.


For tho Betitioh Aasertean Cutheator.
Farming in the vichity of Yonge Street -Tue Fourti Rimig - Tue Village of Nenmarbet-hghcultural Socie-7Y-Impertinence - Nunety Mfmbers only, including Messrs. Baldwis and lafovitane:-Officfrs of the Socie-ty-The mest Farmeis - Squiges Prorosfo Aumbdert-Conclusfon.

The salisfactun and pleasure, which a Camadan experiences, dermable from the fac, that the longer he lises and the more he knuws of has oun natuve land, the higher risey his dea of its worth and unportance, will be lest understood by those whose sonls, suchut above the trifing traneactone of the liour, which embrace what relates to ther oun mmechate mtereste, warm with a generons spmit of love for their country.
It was my pleasuse hate!y to visit a porthou of the back country; lying contiguous to Yunge sticet, which your readers all doubless kuow, is the great highway leading trom the now flournhmag Cisy of Trronto to the Hulland Landing, a distance of about 35 miles. On each side of thus highway, comburable looking farme, with, at thes scason of the year, jarge fields of gram, are presented to the cye of the traveller. The whoie aspect of the country is in short very ominous of a wealthy and inflecutial yeomaury, whose descendants are destuned to beconte, under prudent managenent, the future anstocracy of the Province.

T'urnung aside from Yonge Street, on the one hand, 1 passed through a part of the Fourth Ridug. somewhat in our pointical atutals, and mistead of commg to the conclusion that it was hut a back portion of the District, mhabited by a few scatiered indigent farmers, the fact was sent home to my mund, that here was mdeed one of the really beantiful. fertile, well-cultivated sections of the comintry, owned by a sterling, persevering, sparted people. It made the heart rejotce to winess the bounty of nature, wheh every where called forth the husbandman with his numerous retinue to the harvest field. Horses teams, and men were all engaged, and obliged to be for centinuous day together, in gathering and houeing the pro-
ducts of the rich wheat field; all seemed to be fully alive to the intportanec of the hint, "Work while the sun Shines."

When at Newmanket, a pleasantly located village, upon the East Branell of the Holland River, with ite two or ther mills -its tlourishing Woollen Manufactory-its Stores, Hotels, Coach Manuactory and C'abinct Shops-its four Churches, etc., I was lead to make inquiry as to the existruce of an Agricultural Society, and certanly anticipating, ater the farms I had scen, mudher one in rathor a tlourishug condition. The vicinty exhbited sutticient marks of the intelligence of the yeomanry, to lead one to believe they wore fully alive to the truth of the maxim; that "Union is Strengh." However industrious and active individual farmers may be, yet it is most certainly true, that combined they can do much more to further their own in'erests and thuse ot the : netghbourhood, than they can sumge-handed. It is an observation, geacrally true, that where a people exhibit a spirit of interest in each other's welfare, and are careful not only for themselves, but are really anxious to secure weal to their neighbuurs-prosperily attends them. There is somethang that deserves success in-

## "The heart that can feel fur another!"

However, the result of my inquires as to the Society, was, to say the least of it un'expected and unsatisfactory. It may be true, in impolite language, that "it is none "of my business" that the Newmarket Agricultural Society has not been a vgoruus and active one, but I shall not the less give the public the benefit, if benctit it be, of such information as Iobtained. I found that a society had been formed some few years ago, with the expressed design of promoting "Agriculture, Horticulture, Househohd Aris, and the Inportation of Stock." This rociety has doubiless been in some degree, indireclly instrumental in furthering some of these objects, but I must be permitted in able,-not its members truly, for they have been few-but thuse who should heve become so; how much new and valuable seed grain-what useful plants and vegetables -new and improved farming implements, valuable stock embracing the improved breeds of the day-what useful and inte-esting publications, calculated tir promote the intelligence of their rising families, and to infuse a general spirit of inquiry-they, the good people of the Fourth Ruding, joined together hand in hand, like brethren, the Bond of Union their agricultaral Society have introduced? I beg pardon of the farmers or impertinence, but in the present instance, there is such an appeardice of ex cuse for it, that the guilt causes "no pang of conscience!"

The Newmarket Society, established as above mentioned, and which should have been an object of peculiar meterest to the farmers, has I am told never had more than ninety members, and even some of these are far-fetched friends, to wit, Messrs. Lafontaine and R. Baldwan. I am happy I must say to find, what I need hardly have expected to have been otherwise, that these gentlemen, whose names are so mumately connected with the Ridug, have not neglected to lend their mfluence and subscr.puons to further a noble cause. It is right however to add, that if these gentlenen, and the remark applies to others as well, could amudst their mans avocations, find tume to attend occasionally, the meetings of the Society, and by their "powers of speech," would endeavour to dissupate the catelessuess and indifference which pervades the minds of many upon the'important subjects which are pithin ite peculiar scope, they would render
the Society and the Rudang praisewnothy service.
But to return. Nimety members: Bless me, where are the hundreds of proprictors of the valuable and rich farms, whith are so pleasmy to the cye of the traveller, and capable on supplymir thes pruprebers wilh all degress of tempural comburts and sithefactums! It would astomsh an inte ihere af ersoll, broumh up in a land of enterprice, nere he told that some of the most imherenhal aind weathe farmers in the thanedine sennty of Newmarket, have not properly homuared the soriety whither preselice, and themselves by dong so; while otheas have of late neglected to pay them ammal omb. riptions!
'lhe present Officers of the Society are-

Culumil Crihew,
Prewde:tr
Fice.providrnt, Gico. Plovier,
Mach:-1P. Empy,
sory. \& lrecusurer,
Rev. M. Ratchue

## Chaplan.

## Committer:

| James Pearson, | Isane I.und. |
| :---: | :---: |
| Nithatial Peatson, | Suhn liugers, |
| Peter Pearson, | C.apt. lung, |
| James Fursy :h, | (ireen, |
| P. Lenor, | ¢i, w. Simpson, |
| R. II. Smith, | Thaning (i irbute, |
| loatua Wilsm, | Lem In,mman, |
| Ihsomas Cusfurd, | Jum Clubur. |

It is useful to remark that much, very much mdeed, depends upon the efliciency and energy ot the officers of an metthution, and al under their auspuces it has not bee., bgorums and flourshans, there is evidence ether of want of zeal or of want of good mavagement. Those w!o are filly ahve to the unpurtance of the syricaltural Sacie19, sill the fall to apprectite the esertions ot such offieers as have fathfully discharg. ed ther duties, whle at the sume time, the? will not omit also to make in their owit mbils, (for the task of 'speakirg out' would lie an mivibus one), a proper estmute of the character of mdenduals who accept of offiee, and then treat tis datics with carelessness and neglect. Sume sthations are purely honorary, and orgmated to promute tive pablac gool, hatime nu pectomary cmolument connected witi them, and these are the stuations whel the besi ath thust patriotic triends of the comatey ate the best calculated to fill. Notruly homurable man would thank of aecepting suht a stuation, whthout expecing at the satme sine to be zealons and spirited in the dexharge of its daties. The application of these remarhs to the various officers of ath Arricultural Soctety is obvous; and m reference to the officers of the particular mstatutom whelt has called them forth, it is not incumbent on one to make this application.

Desirous of knownig who were the most melligent and cnterpnacing farmers. in the scimety of Newmarket, I aslied who among them had been the must zeadous in furmard. my the interests of the Society, under the impresswan that thase would hust probabiy be of that class. I was told that Captain Irwig had been elected President in Oet'r. 1840, and that he acted for the then eusmin year, adnag and assisting the Socicty, botit by liberal donations, and whel was quite as important, by carelilly atieading to the dutes of has ufice. Precedur ham was James Pearsw, a wealihy Garmer, who was mstrumemal in gethar up the Sticiety, and who has proved humelf friendly to the canse of agriculture, by gams a share of has time and attention to its miterents. I may re. mark, that Mr. Pearson and perhaps sume uthers whom I may mertion, frum the sithations which they hold, are entited to be dignufied as "Squires," were it my partucular business to be very courtcous, but I ber
as farmes, believing that the appendage of Eisqure to the name of :un homest yeoman, dues not make ham a better or more molile man, nor is it particularly caleulated to raise C, man the esmantion of thase who know of what true worth is haily componed. Tho
 Paster, lame- 「irsith, Geotre Smpson,
 mana were mad. homearatice mention of as gom lacmids to the Sucat ty, and of the nuble
 men . lanial be panterd wif, and rerpected in propurtion to the re ustulacss. Michaed P. Cmpu, a merchut at Newnarket, it will be whersei is the Secretar: and 'lieasurer of the Sicoe:y, and though not a farmer, is known as one oi its barmest and useful iricuds.
liy the Consitution of the Society, it ap. ;ears the members ot the liaccutuc Commatuce is hanted to 10 . It th read 16 "or more," it appears to we, there would be a mantest improsement. The othice of Commatteemen, is one of the most efficient con. nected wiht all Aerocultural Suctety; and III order that its miflue nee might be generah Iy reht, it is always adivalibe in elideavour to lave one goved fommitteeman mevery ! me to conserse wilh hes neyhbours as to prosperity and business of the suciety, to warn them out to the general meetinge, and to sulteat the ir support.
I was wit the pant of concluding this essay, When thase (3) wembers run mito my mand aram. Buly 90 members ! just that of this ge feiends of agriculture! One of the inosi tertile sectunis of the Province, well ectuled atid pretty well cultiated, is able to tan oar: nomety members as lielonging to heor Aericultural Suets! What aspirit of "hoohnes onatd dung nothag" is here mambested! It nutal nut be easy to calculate the amount of geod wheh might bo effected by a Suctety managed whis epuit and abintij. There has been no such disco: ery $j$ ot made as absolute perfection magriculture, but on the contrary a tast field io lyuir opea umuprused. atd I know no better way orchis war the untenanted tract, whi profit to the e who tmmedately occupy, and to the country at large, than by bringing as it were monume wist tore house, all the limuledre and skill detued fron experience "hoch the oldest amd the athest, as well as whers at those, wiow have fullowed the necessary and honomrable busmess of culurating the earth, have been able to acquire, in order that all may hase the benefit of then. The mocurgs of the Suc:aty aself, afford an agreeable opportumty for collectung and conteyng bformathen throughout its own newhbourhood, and Jur. Criltivator, now happly established in the City of 'Toronto, atiords a medium of more general communication with other parts of the Province.It is a siurce of rrerct, that the friends of agriculture do nut "arise in their maght," and assiat to mahe Tur Culitivatur pecularly aiterentig in cachand every vomity u: Catala, lis cluertal and spurited communacatuas. Tlace as in duty more gratifyng to the culghted did gem rume man than that of mijathiut tiecful imstruction to his fellons; and there is mu task which the really patrutic Comadia, whese attentom has been cursed to the soliject, shou!! be more ready to perfulm.
W. O. BCELL.

August 20:h, 184.
Mipnomtifitit in the Bremd op Inisit Figs - Fic years ann, emme hogs were sent fiom Berhshue and Maristhre to Bristol, for Irelad. Thas is one ranse of the mprovement. Another is, the plan of frequently washing the ekin, and rubbung it with a hard brush. 'Ihis is the way Iampshire farmers

From the Transacthony of the Nicw York Agricultural Societs.

Englisi Agnicul.tume-A Ghancr, at its Phonerses avd lhospects - Me Juns
H-sxam, Nuhth Dhagtos, Wlthembs,
Yomemmes, Engiand.
The paramount importance of agriculture as a producer of uational wealth, its capability of renderng a people independent of others for the means of life and enjoyment, have always entitled it to take the first rank in a nation's estumation. And, although it has not always secured this estimation, we shall find, if we examine carefully the records, both of sacred and profane history, that the policy which has sanctioned the neglect, has caused the ruin of the best interests of the country.

But although this truth has been open to the eve:s of the world for ages, it is an extraordmary evidence of the perversity of human micllurence, that it is only within, comparatuvely speakiag, a few ycars that at has been perceived, or at least acknowledged, so as to be acted upon in Faghand. The effect, however, of this knowledge has been so margical, yet so palpably e endent: the
improvement and extension of arriculture improvenent and extension of agriculture, as a practice, has been so rapid, and its estimatimn, as a science, so great, that it would be a labour worthy of the ablest pen to trace that progress, because it is a labour that would be fully appreciated by every mquar. ing mind. Composed, however, as such an inquiry should be, of a history of its condition, principles, practice, and statistics, and that too, in a country where an endices variety, seasons and climate combine to make exceptions to every principle, to vary every practice, and to mystify every calculatom, it would seem to be a work which, if not above the power of an individual, would require every assistance that time and talent could secure him. 'To attempt, then, had we the ability requiste. to mine such a bistory, of even one branch of the subjech in a pipper
like the present, and that too, in the fewdass like the present, and that too, in the few days Which circumstumces, over which I have no
control, (I am now writury at eractly none month from the day; yet more than four thonsand miles from the place of publication), 1 am able to give to tts consideration, would be absurd. Fict, although the connprehensive nature of the subject prevents
any attempt at such a view of in it is atent any attempt at sucha a vew of sin it is attended with one advantage, its high unportanae
will give, eren to the sursory "glance," wilh give, even to the cursury "glance,"
which it would not otherwise posess.That this interest will not be entrely wasted I have the presumplion to hope. Information is the corner stone of ineerest, and few inquiring minds can be led to the view of
nay sulject in its past and present phass, any sulject in its past and present phasss,
without making some lesson for the futue, In entering upon the first part of our suh. ject, the progress of Enghsh agriculeure, the course that suggesis itself to us ts to divide it into those marted ejochs of transition, or change, which are discoverable in the pros yress of every thing comected with, or thHucnced by luman nature; and to iowls at the spirt pervading the practuce at each petood. Taking, however, a general view of the subject, we observe but one perial of gacrices transition; a change from a state of things under which agriculture langushed for hundreds of years without making any advance to one, under which, in fewer months it has made wonderful progress and improvement. Thus st the great phenomena that presents itselt to us int tracmg the progress of English agroculture ; and indecd
ticed ame extended with the increase of pm pulation, slould remain comparatuely speal:ing, statimary; at least, that it should be surpassed hy every other art or science, in all apprasehes to permanemt principle; amd that, iffer a torpid easistence of more than 1,600 years, it should start at unce mito the sigour of youth; develope, in the course of a yencration, the energies that cemturies Ind railed to elicit, is one of no mean order. In order, thercfore, to illustrate thas progress, it will be neecessary for us to book, first, at the practice of agriculture previous to the transition; at the imfucaces tending to produce a change; a third, the result of these induences, as developed in the practice up to the present time.

Of the practice of agroulture in England before the Roman invasion, we find little mention made by histornans. We are told by Casar that it had made slyght prorress in the countics of Somerset, Hants, and Wilts; that they grew corn, manured the land, amd had ainumance of catule; while H' rest of the penple led a more savaqe life, living upon the gane of the forest and tir spmanancous productions of the earth.After the conquest of Bri:am, a change took place. "Whieresoetrer the Roman conquers,
he inhabits," says Seneca, (Consolat ail he inhalits," says Seneca, (Consolat. ad history assures us he always carried the language, the manuers, the arts and the Vires of Rome. Africa, Spain, Gaul, and Panmonia, are, as is attested by $\Lambda$ puleius, Strabo, and Patcrculus, evdenres of the manmor in which "the nations of the empire insensibly melted away into the Roman mame and prople." And Mritain, if we may helieve Tacitus, was not an exception.Thus, he tells us that Agricola, "to wean them from their savage customs, entuced thrm with lleasure, and encouraged then to hilid temples," \&c. Also, that "to establish a system of education, and to give the sons of the leading men a hourledre of letters, was a part of his policy," and that hy these and ouler means, "they who hat ail. ways disdamed the Roman language, began to cultuate its heautics. The Roman appparel uas scen whhout prejulice, and the toga hecame a fashomable part ef iress.$13 y$ degrees the charms of vare gained admission to therr hearts; haths, proticoece, and elogant banquets grew into vogne, and the new manners, which in fart scemed only to swecten slavery, were, by the unsuspect. mg lirtons, called the arts of polished hitiminity." With the other arts of Rmme, it is but fair, therefore, to presume that her colomsts introdured and practued her anriculture. Inieed, it mast hase been bioit mitroduced and encouraged, for we have it from the Emperor Juhan himself, (Orat, ad S. P. (2. Alhenicasum, j. 2SB), that he at one tume freghted a flect of 600 vessels with corn exacted from the Britons. "And if," says Gibhon, (ch. 19, Decline and Fall of Rnman Fimpire), ", re campuate those resscls at only 70 ions rach. they trrer crajable of crinriing 120,0 OO quarters, and the country rehach could lear this must have chaimed an improcal state of asrictilure."

From these facts then, it will be ovident that if we woshd look at the rnalition of bughsh agreviture during the first five centaries, we mast turn to fhat of Rome Intect, mur reason tells us that, practiced by Romans themselves for more than-100 years, it must have appreviunated to that of the mother country, almonst as much as chimate and other difiercnces between the two coumeries would allow. But allhough we have no records illastrative of the subject, it is impossible for the fact to be otherwise; for at the period when lume eent her colon-
nued for ages afterwards, to be the most homourable amb estecmed of all professions. Her huphest characters, anougst whom it will sullice to menton Cincinmatus and Curus Dematus, employed themselves in the pursut ; and Cato hamself tells us that "when they would prasec a deserving mant he was called a farmer and a gooll hombandman." But not only had it attaised thes estimation as a profession, but had mate no mean advance as a practice. Industry and ubservatuon had remored the errors of anccint custom, and Cato, Varro, Ciccro, Virghl, Columella, and thay had employed ther pens in promulgatug tes principles. Thus, we are tohl that they cultwated wheat, harley, ontr, beane, peas, ilak, lupines, kidneybrams, tares, turmps, \&e. ; also, the vores, olives, \&e. Gibhon too, tells (Dechne amd Fall, c. 2), that "the use of artiticial grasees became familar to the farmers both of laty and the provances; and that the assured supply of wholesone and plentiful fool for the cattle during the winter, multuplied the number of florks and herds, which, in thers turn, contributed to thie fertihty of the sul." Thue, in fact, they had partly approxumated to that fystem whech has enibled the farmer of the present day, by ahtermate whte and green crops, to duable the value of has produce and to increase the fertht; © $=$ his soil.
Of manures, they used those a imal and vegetable ones which are at the fiesent day complosed. lime, marl, and various composts were in use. Of the value, too, of liquid manure, and of the ingury done to tho dung heap by heing too long expoed to the action of the atmosphere, they were conscious, and durg pits in which to store it, in noder to prevent the double waste. In thin, they made a slight approach to the Flemings of the present age, whose careful management of there farm-yard masure, and tho ligh id from it, is wortay of our umitation.A still further knowledge of the value of manmre is displayed by the Romans m ther burning the stubble, collecturg ashes, and even sowing green cropl for the purpose of plonghing in. (Varro. 1. c. 3).
They also used top-dressings of hot mamures, such as pigeons' dung powiercd, whech wat put in whin the hoc. In the prac:ical operations of agriculture, when wo take into account the simple mechanisn hey employed, they were by wo means contemptible. Thas, Pling tells us ahat they were particularly carefmi ir ploughing, endicavourng to have perfectly straight and even furrows. They ploughed the land ureo tunes over, always before sowing; sometumes takug a furrow nine inches deep, and sometmes only threc. On heary soil, nine ploughangs were frinently gren. They made a fallow every other year. Inileed it would appear that the adrautage arisiag to verctation, from the soil beag well pulverized, was well known; for Cato beialg askcd, "What is mood tillage ?" answere, "To plough." "What is the next?" "To plourh. Tl.e thrd to manure. The remander is to sow plentifully, to choose the seed carefully, and to cradicate as many weeds as possible."

For this purpacr, thr tine was used libera ally. Crmp, when 100 lusuriant were, as mus, drpastured fint a time. The secd wan sotrn in the ridge, as well as bruadeast furrowi; a practice unw termed " ribhing," and whach, with an elticient eystem of ploughmg, if not superior, is equal to the drill system.

Anong the promanent improvements, draning was csteemed and practiced in some derrec, if we may judge by the mentron made hy the Latm writers, of the grond effects dersed from it, and by the particular directious given as to their construction,

Live stuck，in wheh we inclute hurses， oxen，asses，shecf，goats，sume， $\boldsymbol{f}$ ソeve， ducks，hens，hees，心e．，太c．，necupied therr care and atteden．And the warous breeds were proparated upun primeples，sinte of which wowl i le well worthy of attembion at the presen dhy．

Indech，let us look which way wo will upon the subject，wo find the high estma－ tow in wheh it was held as a protession：，an index of its adrance an a practice．It is， therefore，far to presume not merely inat the Roman colomsts mentured a sysiem of aurriculture mito Britun，as slated by all an－ thorthes，but that they meroduced the Ro－ man system，and mate use of Roman ex－ perience an practueng it．Reasion tells us it must have been no；for tacts，sume of whech we have mentoned，show that she did wo，wath respect to esery ather art，sel－ ence，or custom，nut merely m Britan，but whereser she earried her victorious arms．

In the preceding sketch，therefore，of the practure of the Lemant，we obtam a pretty correct，and meed the only view of the ag． riculture of England，during the first five centuries of the ciliristian era．It is true， that a dutterence in the chmate，\＆o．，mught cause some shegh varation in the practices of the two countries．liut，in the foregrong summary of agricultural kowledge，as practuced by the Romans，darmig the sume Britan was a part of thear limmre，it will be obvous that we have recorded nothung hat what was adapted to linglaud．It woult， therefore，be far to ater that every prac－ tuce thero mentoned was adopted．Assum－ jug thes，and looknig forward tor a thomsand years，we observe the phenomen wheh we have before mentioned，as characterszmig the progress（if $1^{2}$ be not an Mhbermesm，so to call it），of agriculure ull a late perabl． For even ff we make the hiberal alluwame for a degeneracy in the science，owing to the transplantug it from Itahan to linghsh boal，we camot，ill atter the saxteenth cen－ tury，discover the least inmprovement deve－ loped in the practuce．

Thus we can find no alvance made in the use of tillages，in the construction of im－ plements，or m permanent muprovemonas．－ The old Roman system of alternate crop and fallow，or at most，of two crops and a fallow，still held its unguestoned sway：－ Nor do we discover any traces of those ar－ tificial grasses wheh Gibbon tells us m－ creased the number of herds and ：he ferthtity of the sol．It is possible，however，that the Romans never dud introduce these moto Eng－ land，or they could scarcely have gone com－ pletely out of use．Ownis to this，we finid that the principal part of the hand was graz－ cd on open commons；white those lands nearest their habitations were cultrated for the growth of corn．The conseguence of this was，that as there was no fodder to be had，but such as was grown on matural men－ dows，the cattle starved upon the hungry common durng winter，and the enclosed land，owing to no manure iempr made，grew gradually less productace．Thus we are cold that they experienced the greatest dai－ ticulty in keeping their cattle alive during swinter；that many died，and many were hill－ cd（to use an lrishism）to keep them from dying．That their oven，ton，were so hadly fed，that it required six to plough half an acre perday；and that four times the seed was reckoned a farr crop under thes man－ ngement．

Their varicty of crons was very limited， oats，barley，rye，puase，being the staple productions Wheat，the formers＇paying crop，was then very little linown．Thus， T＇usiser says：－－
＂In Euffolk again，whero whet necer graw．＂

Saen at the commencement of the lith century，it＂as a lusury combined to the ta－ hes of the moblity of the land．

The most mportam part of the furmer＇s puseessume was the lacesturk．Abed at only wamted a better sestem of m．maremunt in the production of food，to hase made him progress in thes hranch of has professoun．－ Cattle，howeser，could made but a poor gromth on the common pastures，or medeed， upun any postures duragy the $x$ inter months， and comecturnty，they were a ecares stock． Sheep could do tow better upon this methoi． and thes，whth the demand tor wone，cansed them to be kept in great quanthtes．The neylect of catte for sheep，had so increased， that we limd it orbaned in 15：33，that an man shand hecp more than 2.400 flecp，（2．）II． 8．c．31），and in 150．j，that whereice there were bif sheep，a cow should be kept ：and a calf bred wherever there were 120 ，（2 and 3 I＇hl．and Mary，c．3）．

Nor was its standuy as a profession very high．The positoon of the farmer was that of the humble and contented hathourer，and has qualaticatoms were malnstry and whotety． Education and research were nuncressary， and consequently unknown．His path was the path of has predecessor；ai was well beaten，and was easily travelled upon．lhut no where do we diseover so closely，the characteristics of a people，ns in the customs and duties of ther women．No where do ＂e see the station of the man more plamly than on the bearng of has help．mate．Apply tins praciple，in the present instance，and the farmer＇s true position will reuure no further allusitatun；for we are told by Sir A．Fitherriert，dat it was＂the wife＇s uc－ cupatuon to whow all corn，to mate malt， to wash and wring，to make hay，to shenr corn，and in tume of need，to help her has－ band to fill the nuchwam，or dunge eart，to drive the plomgit，to luad corn，hay，and such，＂\＆c．，\＆c．
Such then was the position whichagricul－ ture，after ：practice of more than 1,600 yeare，had assumed．From the madde of the 17th to the midale of the IGth contury， a change beran to creep over its spiati，the eflects of which are crident in the practice of the prescut rentury．And it is buw our duty to examine the intluence which pro－ moted this change．

Time is the parent of change．As there is a matural tendency man to increase in knowledre and in streugh，up to a certan pirod，so is there in every art or scence，to adeare towards，if not io attan perfertion． That this spirt should operate upon argecul－ ture is matural；that，however，it should he so long untuamiested，is a pienomena pro－ duced by certan mfluences；and to the re－ moval of these mfluences we must ascribe its manifestation at all．Thus，if we saw a youth making no progress in size，from the age of $\overline{5}$ to $1 \overline{5}$ years，amil then beginnagy to shoot upward，it would be his former stop－ page，not his ；resent growh，wheh would be marvellous．We shouh aseribe tus to the remoral of some disordered functions whech had obstructed has natural tendency． What then was the disorder wath obstruct－ ca uat progress wheh agriculture ought io have made，and to the destructuon of the m－ fluence of whel we uwe the after progress of the science．
That frequent changer of proprictorchip from the Romans to the Savons，the Danes， and the Normans，the ravages of war，the iron hand of feudahism and presstly domuna－ ton over the mud，are amongst thicse mith－ ences，cannot be doubted；and for some centuries we may allow that they would he predominant．When，however，we consider
dmimished before agriculture began to anake frum its lethargy；when we louk at the preat prugress made in every domeatic pulinhed art，during the 1 th．lath，and lith centurifs，and when we comeder that vei－ chre had lised uynu a footing of security， trade，manulactures，and commerec；anil that the pathe of learning and literature Conld show the fortstepre of ruch menand （Chatere，Ieland，Asclam，Pyodzle，Canton， Sydney，Spmerr，Shakeprare，Macom，Mil－ hin，Ne，©e．，before agriculture had adiane－ ad one step towards laying the foundation of filure evcellence，we must call to our add ＊ilue other iatherne in accomet for the phe－ nomena．This we shall find in itself．－ Fiory neg has a marked spirit which stamps wh its inluence every improvement，and tinges every crent．Bucry seience，ton，at cretain periode，fecla a peouliar influence， Which turns its energies in the develone－ ment or mondevelopement of trath．And by the combined operation of one spirit upon agriculture，we may explain the lethargie cantence of Engish arriculture．
It was the ridect science，and consequent－ Iy was comsidered to be the best hnuta prac－ tien ；whener，to use langruage we have be－ fore employen，＂it becane the youngest in theory：and without principles to regulate its cormon usare，sanctioned by ancient dinynas，ruled in their stead．Guder all circumstances，these recuaned the same， and of course the practice varied not．The road which custom had marked out was limaten and smenth，and the farmer contimu－ ed in travel umen it．It was a circle ton and brought him always to the place he sarted from；and he never lost himself．－ But in travelliay upon one path，and at one pare for a leng th of time，we both wear out the road，and incapacitate ourscles for tra－ velling at any other pace．So a long courso of injulicious management and cropping， not only exhausted the arable laud，but，as the fatalism of the Turks has prevented then fron marclang on with contenporary ma－ tions in the seale of civilization，the practico of a screace，the cultamation of wheh（tha same here and every where）required no excruon o！mand，deadened the spirt of in－ quiry in the farmer，and left hon an casy un－ mquring bengs，knowng nothag from ham－ selt，but governed by an hereditary feehng of obediche to ancient usage．＂
This，then，was the weight which hound down our agriculture to one long medhorri－ ty．It was consudered merely an imitative srience，inatead of an experimental one， which，ownig to the great variely of opera－ toons，and the many dulierent circumstances affecting these operitions，it must also he considered，if we would cultwate it with success；for，says Varro，＂Nature has giv－ cou us wo ways to agricultural knowledge $;$ matatoon and experience．Preceding has－ bamdmen，by experment，have established many manus wheh ther posteraty general－ ly matate，lut we nurht not only to imitate oihers，hut to makc cxperimeats，not dictated by chance，Int ling reason．＂
But it was not till tiep middle of the 17ils censury，that this evil infuence began farly to luse its power．In the Elizabctian arre the mond oi man appears to have receved a fencral stmatus，the effect of whichis suf－ liciently mamfest in tho pregress of every branch of human linowledge，and agricultura appears soon after to show some marks of grencral advance．
It was not however till a much later pe－ riod in the 1Sth century，when modern set－ ence（ty pursuing a system of obscrvation and research，on whels the mand of the ob－ server，and the stores of the science werd improved at the sanc time），had，by its
achievements，became justitied in aclinow－ ledging no prrfection and knowing no impossi－ bility，elat the grincipal of amation embrely lost its infuence．I＇hen，when esery brameli of sctence had reared atselt astructare linuth－ ed upon the rock ot observathost，When the eye of the pholusopher touk at waler ramere， the hitherto unexplored grounds of agracial－ ture were pierced into．Here a Herlected spring was bromght io liyht－and limer a ＂mane of rich distovery．＂At hast the pro－ prietors of these undeveloped resoureses be－ gan to awake；confidence ut the hatierte， unresisted axionns grew weaker，imitation subordmate to research，wisprution and di． duction，governed upon Cato＇s principhe， ＂nut by chance but by reasen！．＂Ur the whole case may by thus summarily stated：－

It was the practice to tahe ancient cha－ toms as an infallible raide；mothater was then donbted；nonhing investigated；and consequently noilmg mproved．It is now the principle to do nothng wihout a rea－ son ；every thing therefure，is tavestifated and consequentiy every thing inpruved．

The truth of the former pusinton we have already showed；the results of the other are as clearly developed th the practuce of aurs－ culture up to，and at the present thate．
（ 20 bc Continued）．

FURTIER PROCEEDINGS OF THE BRIS． TOL MEETING OF THIE ROYAL EN゙じ． LISH AGRICULTURAM，SUCIETIY．

The show of implements was greater than on any previous occasion，and we regret we cannot describe them all．The fullowing report of the trial of impleme：ats may，itul：－ ever joiseses something interesting to our readers：－
＂There was a great many instruments on the ground，consistung prume：ally of pioushs of virious construction，turmp－caiamer and dibbling－machmes，and a patent circular clod－cuting instrument．A plough ament－ －ed by Mr．Mason，of Graftou，Warmickshare， which，having wo arms at：ached to the share for scattering the sobl，did the work of the farrow at the same tume，and aitracted much attention．It was so casy of manigenemt， that the gembeman whe：iphaned sis athat：－ tages，Mr．Stokes，of Newein，Gtunsierslure， would freymemy hald iy une hamde for more than a hundrei yards．Its aigeturess of draught，too，and sts worl，were generat－ Jy admired；it is sanl，atiso，：o be at！pted to any sonl，and，with ．a slowers attacl：ed，par． ticularly usctul ior ureakum u；old pastures， strong souls，or da：ad when requares barrom－ ing and braighing up to a fine talh，wat：ont the common praciars of kneaday the sit－
 the invention $c: 1$ ．I＇dscy，Fisyo was alao pro． nounced to con！am suiac decuded aprove－ ments．A machatac fur siderscolurs dififiag， the invention of Lady Vishaunt，＂as ired， but proved a completc failurs．$A$ ploised jniented by Mr．T．Ilucktalic，（）ucr Nortos：， Oxfurd，was gencrally sadmineid for ms muvel and simple construction．The sitare of dian insurument beine made in slult，a furrow： cuuld be taken right er left－milas il：e coin－ pany cons：dered a great indrantarce，cnathlager the ploughman to exceute his work without losing a foot ol gromend．J＇inere was also Mason＇s improved Warwickshire one－whrel plough，with dovisle shares，adajued for light soils；a paicni conical wheel plough， with tension share atul coulter：and a one－ wheel Scotcin ploug！，cons：dered loy practi－ cal farmers，a serj enf：c．cnt mstrament．－ The Winkfield patcut dibibling anachane，an－ venicd by the licy W．Io．Khan，was a！ob－

capable of dibling two，three，or four rows at variots destances，from 8 to $: 7$ inches apart，to depostte the seed and manure，and eoser and roll the same at one operation， and couthlete tour wres a－d．y．Nust of the men！anemed phanghsueretried wah Cont－
 the drabayht，and the mander of inndencms submatied far tral wats tatach larger than on any fruans wersion．Had the neather been mow finwarabee，these trade woult have been，from their greas interest，attend． ed by a large munber of practical agricultu－ ralists ；but maturnately the very heavy ram，which coatamed to descend tor hours －wecessiscly．teaded huth to bmit the plea－ sure and llire range of operathons．＇

At the Conncia Bmaer，setcral interestung sipoches were made by the mohlemen and ormblemen prescat．We licg iu select one or thu extrats．＇The liev．Mr．Samines， a succeseful cuthacitor for Cathe，Eaid ：－
＂There las been an atempt of late， to prosuade the people that the wiserest of the
 but the enticitictied citacu of J3ristol ap－ fear＝to have disconered that the bry yht sma－ thine of hathisrafied promerity cannot
 papalation without surod＇y evorudag dis geanal mhanene to every afime ；they seem in have discovened the great trath，that we are bound an ont imbsseciubie bond，and that

The Rer．Dr．Buckhand mate an interest－ iag specel，from wheh we seice the follow－ ing：－
＂At Cambridere the question was mooted i：ov：tar it was desumbice to ceidebtsiz through the influence ot ibat suctecy，cearample larms ata curviamaml ferms．（Hear，bear．）It

 p：ugrectors，should consent to be the vietams

 （lie：ar，forar）It was in biat that thersuce－



 laral Clacabsiay＂，Pradesor Juhanton＇s


 turn，at Orford．li watim van that die cul－ tuators of thes ionm：ry had the meaths of reading surf works，billese the yrenteciors wion hate the meates limmorfire of herler etucanom an sc：ence amd l：erature，＊ou：d come torward amd show there iesants，hy ther ovill praciure abd exampio，what coula be dose in ronform： 9 with doe monio of the
 （theers．）He shond be unar：ation！bor fo－ bome reommed wilata tiac last two ding－ble should ree lon laschergmer the duiy whird te owed in the geasifmen asermbied if the were sut so stabe to ithem the exiracrolusary delarlat ise had felt a：whasessing lir exam abr，the mosi usefui，tume simeesful cvam－ phe he hand ever seen in aractucal arerinultare， which wiit： buen set by lis right honcurable frichid the Barl of lioric．（licar．）＇liny hatl heard anuch of the beactit of iborchagh drain ner and sutuscil ploughtur，hut he kete：s hut few ex－ amples un liateraisd（hough there was many w Secoilame，－and some of these had licen most abiy poment ont that day，moreaver，in tise leciure of has fremal S！．Suyit，of Jeansic：\％，io whom arriculture oiles eo
that of the example farm of Lord Ducte， where ever it had been shown practically what could be shown by the application of serence to arriculture．It was a lact hat about ：00 acres，whelh，seven years ago， us for the most part a morass athe a woon， and the hest of it arass land not worth ：⿹\zh26灬s． an acre，was now throughout worth foum $2 ; 3$ 10 J．l an acra，and was produciner large wheat crops whevery tieh meach altermate year，the arthical green crops suliesent 10 iend a rpleadud team of Clydesdale horses， an enormmas fock of leciecreer sheeg，and a herd of short horned oxen and cows， ＂tilont making or usiber a simple ton of hay throt：ghout the year．Ile coukl not do tet－ ier than recomataend every laramer present to gra and see what had been dune by tho Earl of Bucie，and inntalor his example． （Cheers．）Let them go amd she mot only What had been done wime impre vement of the productice puacrs of the sond，but also what had been dume wimproted machanery in aul of agricoblaral habour．Jeet theon took． to the imsirmments for which thry gave prizes last year at Laverpool．Iet them han at the Liey cultmator and steam－engme， atad jlouphater and oiher mstrtments，aid made in hus Lordship＇s own smilhy at Cley， near sitrond．and then eng if his Lordshyp fad mot latd on the agriculturalists of the hamgluan，a debt ot obngation whela no lit－ Heg hana oudd adequately repay．（llear．） He huped so splendid an example would be tuly followed．＂

Dir．Ilandley，the President of the Scete－ iv，olsecried as fuijons：－
＂Ile was induced to hope that the inefi－ ciency of las scrices lad，at all erents，not been projudicial to the interests of the soci－ ciy，inasmuch as be found that they now numbered anomigst iher members consider－ ohly mure than 6,000 persons．（Cheers．） And，let him enfuree uyon thesn the fact， tant thry wrose finm of ithe nobility and own－ ers and ocrupners of the soll（checers），everj one of whom felt the nost mane micrest in tie great oiject the socecty lind in view； viz，to anymern the means of human subsis＊ tencer．（rherers）li ine suciely had dono motherg more，at hit at lrast made agricul－ iure ashumable．（Cheers）They hiad，in esery pari of the hugdum，gentlemen who Were ansions：ly looking out for the purposo of testingesery experiment the seciety thaght recmanema is worihy oi consideration．－ I incy hat，an every pari of Ehariand，gentle－ men who were most carefully and anxiously maceusatag the quality（！sonls and every insery insm seed，in order to ascertam tha nust preforable；atd，in fact，they were pay－ un that aticutim which had hitl：erto never becn guea to those practical means in agri－ caltare，winch arriculturatists kucw wero sn reselun！lo sucrese．lbut it was not on praverai means alone they defended，for ihey buped to bring science to bear ufon the arricuiture of athe country．＂

Wic inight select many more extracts from specebses delivered at the mectiag，but fear atur wuberabers would not deem unem of s：bficicnt micrest，so far reinoved as they ：are from the sceues of the society＇s opera－ ：ions．We trust，however，that the selec－ ious we have given，may tend to make ag－ ricultural inirovement fastionable with le－ rishators and men of influence in British Stucrica．Those，we irvsi，who are amxious to introduce iluc labits and nianners of the E：Mrish aristocracy，will，we trust，follow the cannple of British nobles and gentlemen in forwarding agricultural improvements－
Let agricuitural improvement once become
fashionable, and we shall not any longer have to complain that its interests will be neglected. We shall, in future numbere, give some interesting selertions from I.eczures and Essays read before the Society.

## AGRICULTUAA SOCIETME

We know that ..nch socicties are calchlated to effect much good, provided they are established and managed on proper principles. Wathout thes they are not of much benefit to the general improvement of arericulture. The Royal English Agricultural Society should be the model for une in Canada, if we possessed the same sort oi materals to form one here, which we recret to say is not the case. We have, therefore, suggested the propricty of forming a buard of Agriculture to act for Camada, in the same way the Royal Enuglish Society dues for England. The followng remarks from The Bristol Mercury respecturg that society, may be useful in showing what might be expected from a similar Suciety or Buard of Agriculture, formed here on the same prin-siples:-
"The Royal Agricultural Society of Engriand may be regarded as the natural head of the num:erous 'Agricultural issociations' and 'Farmers' Clubs' scattered throughout the country. From the weath and milt:ence, and scientalic acquirements of has leading members, it is enabled to redice theory to practice, and to engare ia expermems of a nature and extem winch would de:er indesiduais or local hodes of more hamed meaus. Hence its real valuc. It promes and then recommends. Ji is composed, not of dreaming theorists, or of scientific ab. stractions, but of imtellige:at ma:a of business habits, and:ous to turn the discoverics of science to practical profitalue uses; to merease the producture returas of the son by the application of manares, suted to its character and capabitites; and so increase the stock, and to innarove the breed, of our valuab e domestuc animale, by carciul allention to those $p$ inciples of breedng the value of wheh have beca tested hy results.
"In order to accomphsh this in the most effectual mamer, and to pursue and reader available Jje knowledge and mformatton gained by is several members, th the course of their respectuec expernnents, the sucuety has established a Quarterly Journal in which, men glad witi, useful sugrecstous, and recommendatons, are accumulaied die fruits of the labours of men who, from inclimation, imterest, or a sense of uthy, have turned their minds to the important subject of agriculure; and who, from their actual position and adrantages, have been abic to test the merits oi discoveries, which wouid have hin dormant if recommended uatrich to the hard-ucorking farmer. In short, the object of the society is to show the farmer what it will be for lise interest to adoph."

## The same paper again observes:-

"If any thing had been waning to convance us of the sterliag val:e of such assocations as the present, it would have been furnished by the appearance of the Siow:yard. Persons of all classes, from the owner of the princely estate to the hard-working cilltivator of the soil, were to be Sound mingled together in friendly conversation, excharigug epingons and receiving and umparting information in uncir remarks and criti-
implements of hushandry. This, of tseelf is a great goos. The agricultural mand toos uften becomes apathetic or prejudiced, from movare 1 mamelt in a circle, and from lomited means of ohservanom; and the manms and meder of a marwow localisy beconas regrated when as much veneranos as 'proots
 ere to mon as fundatomat laws. Bun as
 monaremont in subie departuctas, abis nuted for 1 s defictences in others, mothanes tends formuch to doliase a knowledge of the one and to correct the uther, as a mangling hugether of men funa vari ms ci-aricte, e:t g.ag'd in a com mpars:a', ansuus for improwemm, and with the living promis hefore then eyes of what may be chected by care, shill, and saence. In the present aistame, here were mea frma Hanpolare and Durthanbelam-from Cornall to Kent with cprint!ings from Wale:, Ireland, and Scothad mingling wath the dense crowds of farmers from Somersetshire, Glatacertershare, Wursestershre, Wihes Werefurd, Durset, Derunand ther neighboaring counties; and surla bejng the canc, it is impossible to calculate the eources of knonledge whech may have been opened, the fresh trams of thought orginated, and the obstimate prejudices "hali may lavo been broken down by a day spent in the Royal Agriculural Sacicty's Show-yard."

The object of the society is not directed chicfly io the improvement of live stock, but to the general improvement of the cultivation oi the soil and crops-of implementsand the destruction of vermin injurous to the aroduce of agricultue. Iadeed, there is scarcely any subject that has any influence on agriculure, that is not an oiject of their ingury and attention. When we have Agricularal Socictios in Camada tha uill follon the example of the Enghah Society, we may expect they will produce mach grod; bat whic our Sucieties direst their chact atomicul and encuragenem th the mpronement of lue catte alone, we shall mit expect much grood to be eifected by t:em.

## MR. HOWIIT:S SUUTU DOWN SHEEP.

On the 136 hatare of the present namber, will be seen a corect likeness of one of Mr. Howat's South Down Ence,-a breed of sheep we consuler in every respect well adapted to at:s country.

Widun our recollection, the Camadian farmers have been sadiy in croor in their mode of improving their stock of sheepthey liave run into two exiremes in point of wool and mutton. Not many years smee, a fuil-bred Mcrino or Saxon Ram would bring from Lis. to 115 . As the improvemeat of the wool was aimost the sole object of the admirers of these particular breeds, no regard was pad to improve them in poinis which so much characierize good fecders; the resula was obr ous. The anutton was found to be ill-favoured, and the stock not adipted to our cold winters. At a more recent date, the leciecsters and Lincola brech of sheep have been introduced, and are at present held in high estmation. The principal fault uat can be attached to
sheep, and whostill continue to do so, is that they have not pasd sulicuent attention to the improvement of the wool, a point by no means of secombary consuleration un a country hite the, where esery farmer should feel
 tue matalictured appare!. We speak from enference. Fise le.rs ane, the Muna, fur these particuiar ur idr ; wi sheep became bo tery general, that we were intaced to may an entrataran price for a fock of thom, aud the partacalar sheop whoch we most hughly prazed, iarnen oht worthess for wool, as the cardarg uachates in use in the country, coudd not hanuiacture it unless they cat mo preces wath transerse knives fixed tor the purfose. The wool in question measured 13 melies in leughth and was extremely coarse. We wish it to be understood, that ne do not man to condemn enther of the brecds in question. They may all be justly prized, under certain restrictions, but the mea we whin to convey is this, that some regard should be paid by breeders to the besi interests of the country, and in their crosses should unprove atheir stecls in thoso Fonts wheh they may be deficient ir, and by that means we would have a stock that would not only be suited to our circumstances, but worthy of culogy.

In cur last we mentionod some of the particular features of Mr. Howit's South Downs, and have endea voured to bring then into the javourable notice of the Canadian inablic, $m$ dong so we have been actuated by dasmerested notives. To show our subscribers that we are not alone in our estimanon of the South Douns, we beg to giva them the following paragraph from a late Eurlish paper:-
"Tur. Bristoi. Mieeting. - Mr. Jonas Wehb's =idcep, as our readers saw by our last wech's paper, carried off all the first prizes at llastol; in additio ito this he let there in the show-yard, six sheep for the seakon, at f409. 10 s., and refused 120 guineas for the hire of another ; and it is gratifying to us to add, that he exhibited four out of the fine best shearlings present, one of which obtained the second prize of 15 soveregras, and the other three were all commended by the judges; thus proving the tact, that four out of the best five sheep sere exhuluted by this gentleman. The shee, which obtamed the first prize of 30 povereigns against sheep of any age, was Ict by Mr. Webb at 100 guineas.-Camiridge Iadejendens."

These prices are higher than is paid for ally nither description of sheep at present in Eingland. One hundred guincas for the hire of a ran for one season, is a rery high price indeed, consulering that tine stock of shec; in England are so generally improved and of the best quality.

Mismaoovs.-The following simple and casy method is recommended for trying the quality of fich mushrooms :-Take an onion, and strip the outer skin, and boil it with them. If it remains whitc, they are good; but it it becomes blue or black, there are certainly sonc dangcrous once among thern.

## Change orseasons.

The phenomena of the seasons may be divided into those which ahays recur eiery year, and those which are dittirent in ditterent years. We have in every year the same succession of longer and shorter days, with a summer amb winter: while the summer of one year ss of a hurher temperature. and accompaned by finer days, than that ot another. The unsarymg phenomentia can be explained by what ve know of the stan (or carth's) motion; the varyinge phenumena belong to the science of meteorolory;, and depend upon atmospheric and other circumstances, with whels we have hitle or monquaintance. At any grea moment the light and heat receved from the sum, at any sion place, depend upon the altitude of that body in two ways. In the first place, the luwer the sun is, the greater the theckuess of the portion of the atmusphere wheh its rays have to traverse before reachumg the sput; the greater then is the light and heat whelh is lust in the passare in the secoma place, the less the altitude of the sun, the less the actual quantity of heght and heat wheh falls upon any givenspot. the quantity of light and heat recerved when the sun is at two different altutudes, are as the signs of those altutudes. Thus the sign of $30^{\circ}$ beng $\frac{1}{2}$ and that of $90^{\circ}$ beug 1 , the quantuty of heght which falls on a given spot when the sun is vertical, is double of that whicis falls when its altitude is $30^{\circ}$.

The average temperature being nearly the same in difierent years, the northern side of the carth must be recenving mure than it parts with during a portion of the year, and parting with more than it receives during the remainder. The sumather halt of the year is that half during wluch it gaths, on the whole more than it parts whit the surplus being that which is loot durmer the winter half. The day in which most heat is received is the longest day; but it is nowtorious that the hotest weather is generally sometime after the longest day. Thas is casily explained as foliows:- the unce of greatest heat is not that at which most heat is received, but that at whelithe yuanuty of heat is the greatest, mamely, just belore tiec daily receipis of heat begin to fall short of the daily expenditure. As loner as the rereipi excecds the cxpenditure, heat is da:dy added to the hemisphere, and the weather becomes hotier. The same reason may be given for the greatest cold generally following ule shortest day, with a considerable interval. All these circuinstances however depend much on the situosphacric circum-
stances of the ycar. stances of the year. $h$ are preceming expia-
nation does not serve for the trupheat chmates; the days and miphts are bere so nearly equal throughout the year, that eeasons are caused mure by the ellect of the winds, (wishela are very regular, and depend mainly on the sun's position) than by the direct action of the suas's hght and beatThe seasons are not a sumuner and wimer, co much as recurrences of wet and dry periods, wo in cach year.-D'erthy Cyclozedias.

TIIE SEA.
The distribution of life in the modern ocean is one of the circumstances most importamt to know, and yet is one not so perfectly nor so extensively investigated as it deserecs. l'robnbly to cach ditfercht ant of sediment on the sea-bed, and to carh diliterent depuh below the surface, as well as to every degree of slifler or expmsure, and every degree of temperature, belong sijecific afluences on animal and vegetabie life.

Below some moderate deph (moderate at least as compared wath the thickness of the btrata) life ceases in the ocean from delichent hahe and air, and auguented pressure ; to a few humdreds of feet pechapss some purtacular torms may reach; but corals wheh form reets cease to he at ont hadred feet, and the abuadance of other orders of zuophyts, of mollusea, and crustased, whem a fen teet of the sutace, appears to justify the belhef tiat the deep hotoms of the dark sea, hike excessive herghts in the cold air, and the centres of dry deserts, are nearly devoid of life.
The proportion which exists between the sea and land has contributed to maintain the productive posers of the earth. If that propurtoon was materially changed its profluctive powers would be changed also. The sea by means of the vapears cuntinnally rosing from ts surface, supplies the amousphere with sufficient meisture for the support of orgame life. Cumaries which do hot partake of the benetiss derned from thas source, and which are not retresined by san or dew, are umbinatable and destitute of all vegetation. Whuse parts of lise earth which are farthest fron the sea are much less fertile and populous, than thuse wheh, owing to their greater vicinity to $t$, recene a larger supply of misture trom this great source. the sea contributes also comeider. ably to the advancement of civilization. At the first wew it seems to cunsutute an mseparable obstacle to the communications between mations who inhabit countres wadely apart frum one another ; but the mgemity of man has converted the ocean tuto the most frequented high road on the globe- The easy commancation whelh is thus es. tablished between natums at great distances from one anuther, has yerhajs more than any other circumstance, contributed to mmprove the condtion of the human race. It is at least certain, that all those nations which hase acymred any constderable degree of ciailiz.hion, mbalit countres enther comtigeous to the sea ur at nugreat distance from it.

The whole amnunt of ealine mater contamed in sea-water flurtuater between three and four per cema. The most abundana promeple of das sajime mater is comann salt, of which it forms aboat iwu-thards:It has been observed hat the Southern Ocean contain more salt than the Northern Ocean.

Temperature of the air incumbent on the Northern Athantic Ocenn, is asecrtained to be near ten degrees warmer than that on Southern Alhantic Ocean at dis degrces latitule, on an average of the amual mam of hoth oceans, at that latitede.

It is a well estabished fact that places near uec sea have a more uminm chmate, than those whels are at a great distance from 1 , though in the same hatude. Inland phaces experenec a much greater degree bolh of heat anu cold than places on the coast, and the difference between these degrees of heat and oi cold mereases with the distance of the place from the sca-The phenomemora has been varionsly exphaned. The explanation is now pretty clear, since it has been proved by olservition that tie emparature of the ar over the sea is !ess sulyect to changes dean, or rather dacs not undergo such great changes as that of the air which is over the land. But is the temperature of coumtries situated between the trupers, is not subject to so great changes as that of coabitres in the temperate zone, and these agam are loss afferted by them than the frugril zone, so it is ionnd to be the case on the sea also. Begimning with the smallest natural division of time,
the day, it is found that hetween the tropics the difterence of temperature whin twentytuer hours seldom exceeds two degrees of Falirenheat, and rarely amomets to three dePrese. The diterence of temperature whthin the temperate zone on the contanents of Asia and America, sometimes anount to ahout 140 degrees, between the extreme theat of stumer and extreme cold of win: ter.-ll.

## MORPETH GAOL.

It appears from the accounts submitted to the Dhagistrates at the recent Quarter Sessums of the Dease, that the prisoners in Morpeth Gave are now able to mamtain themsches withent any expense to the county. Mr. Cousus, the present Covernor, was the first to intruluce prisun Jabur, and the prutits realized thereliy durng the past year amonnts considerably abue delou. The artieles manufactured are hearthrugs and carpeting of worsted of various patterns; Indian-grass, otiice and passage matturg, of various patterus ; cocoa-nut fibre, Manilla, and Indian-grass nats, of all stace, the whule of which are sold at excecdurgy mo. derate prices. $\Lambda$ s a proof of the great bencfits derived by the prisuners themselves from the plan in operation at Murpeth, it may be stated that instances have occurred of youns men bemg sent to prison, having scrved no apprenticeeshn, and besmg umable to follow any regular profession for a livelitood, and at the cermmation of their imprismment the same individuals have left tho prisen with the means of earning, at a regalar ratc of wayce, nearly $\pm 4$ a week; so that une connty, as well as the prisoners themselies, partake of the benefit of the prisun latour, metroduced and carred on so successfally by the present (iovernor.
How desirable it wauld be to atroduce the same system of useful dabour moto our prisuns in Camada. It is unreasonable to support and lodge at public expense, crimin: als that are able to work fur ther hemeg.Indeed on re reardang mastead of punishug atdividuals for their evil deeds. We feel convinced that obliging criminals to work while comfacd uader semence for their crines, would be a very great check to tho commission of crime.

Borlara on Cavomar: Clover- - appecimen of this phant was ex libited last Aut gust, at a meeting of the Yorkshire Syricaltural Society, by Mr. Stickuey, who states, " that if allowed io fower, it becomes bicuaial ; and that a single plaut in rich soil, bep clean of wecds, will cover a circle of wo yards in diameter, and attam the heyght of liftern icel. It dees down m the autumn, but us the spragg shoots out arsain fron the crown. Ilorses and all kinds of cattle cat it freely, culher in a green or dred stateIt may perhaps prove useful in alternate hasbandry; as it produces a great weight of herbare ; and has at the second cuttiag in Sepiember, athaned the height of two fect. -M. I. Eixjrcss.

Puxctialime- lif youdeare to enjoy hife, atod unpunctual people. They :mpede business and posson pheasure. Make at your rof rule aot only to be punctual, buta jitle before hand. Such a halut insures compo. sue which is essential to happiness. For want of it many people live in a censtant fever, and put all about them in a.fever.too.

According to Dr. Reid, any mant that is destitute of public spirit, or an affection to the community to which he belongs, must be as great a monster as a man born with two leads.
"Benevolence, from its nature, composes the mand, warms the heart, enlivens the whole frame, and brightens every feature of the conntenance. It may justly be saul to be medicinal both to soul and body. We are bound to it by duty; we are invited to it by interest; and because both of these cords are often fecble, we have natural kind affictions to aid them in their operation, and supply these defects, and these defections are joined with a manly pleasure in therr exertion.

The natural benevolent affections furnish the most irresistible proof, that the Author ef our nature mtended that we should live in society, and do good to our felluw-men as we have opportunty; smee this great and important p:rt of the human constitution has a manfestation to society, and can have no exercise or use in a soltary state."

We may therefore lay it down as a principle that all benevolent affections arc, in their nature agreeable; and that next to a good conscience, to which they are always frieudiy, and never can be adverse, they make the capital part of human happiness.

Stable-Dung - from horges fed with much corn, is highly fertilizing; very prompt, but transient, having some "Humus." The more it is constituted of corn, the more there will be of phosphate and carbonate of lime and fertilizing matter in it.

The weight of produce of an acre of land, may be 10 or it may be 50 or 70 tons: whence then comes this weight? The earthy product may be only one ton out of the fifty, the rest must be made up of the constituents of anmal and vegetable substances in the shape of manures, most part of these are also the bases of air and water-what is added to land in the shape of manure, is small compared to weight tahen from the land. It may therefore be inferred, that those mamures are universally the best, which contain the greatest varicty of the origmal matters, of which both animal and verctable substances consist, and they must be the mixed composition of those matters passed through the intestines of men, or of those animals, which consume animal as well as vegetiable food.-Selected

Agriculturar. Cotarege in Gloucester-sume.- The sucecss of the Kent Agricultural College, has led to the formation of a gimilar instutution at Strepsconbe, near Painswick, Gloucestershirc. The design is, for a moderate annual payment, to bring up youths of from 14 years of age to 18 , givig them, besides a good education, mstruction in the theory and practice of agriculture, on the best and most scientific principles. On the Continent, ngriculture is talght as a science. In this country it has becre allowed to depend on isolated instruction, while all other arts and sciences have ind the advantage of collegrate courses of education. The tarms attached to the Agricultural Collese at Shenscombe, incluic various descriptions of arable, pasture, and woodlands in the immediate vicinity, and extend over 900 acres.-Sinlopian Journal.

Saw - dust dinuare - The Inectuess Courrer states that Mr. Home Drummond, M. P. has for some years been in the pracLice of using saw-duat as a manure without
durg. He mixes it with composts, amd lets it thins remam for three years-decompo iition being hastened by adding one-tenth of lime to the saw-dust. It the ground be well turned over with the ipade, thes lomd of compost will produce an excellent crop of turnips.

## IIOME DJSTRHC' <br> AGRICULTURAL SOCLETY

unden the parronage of
His Fixcelkency the Hifht Hon. Sir Charles $\mathbf{k B a g o t}$, dec. de.

$\mathbf{P}$URSUANT IO IPUBLIC NOTICE, the Officers of this Society met at the Court Honse, in the City of Turonto, on the 10 th day of August, lsi2, for the purpose of mahng the necessary arrangenemt for the Autuman Fair and Fat Cattle Show.
The l'resident Euvalid W. Thompson, Esun., Warden for the District, took the Char, wherespon it was Resolved,-

That the Autumn Faur and Fat Cattle Show, be held at the City of Coronto, upon the prece of ground m front of the New Gaol and Court IIouse, on WEDNESDAY, the twelfth day of Uctober next, when the undermentined Premums are to be awarded for the following Stock:-

SIEEP.
Bnms.
A piece of ground adjoining the Show Yard will be appropriated for the exhibition of Stock for sale, and an Auctioneer will be in attendance to olfer the same for disposal.

As an encouragement to those enterprizing farmers who have already imported Stock into this Provisec, and as an mducement to others to follow their cample, it has been resolved that if any animal entered for competuth a be deemed, by the Judges, worthy of the arst Mrize, and if the owner of the same prove to the satisfaction of the Judges, that such specmen of Stock has bean imported from Cireat Britain since the last Autumn Farr, he shall upon producing certificates of the age and breed of the animal, be entitled to the thanks of the society, and receive double the amount of the Prem. ium which would be otherwise awarded.
No person shall be allowed to compote for any of the above Premsums, unless he shall have been a member of this Society for at least four months prevous to the day of the Fair, or pay the sum of fitteen shinlings upon entering has stuck.
The Soctety have entered into such arrangemente in the selectionand appontment of Judges, as to prevent any dea of partiality.
No person or persons other than the Officers of the Society, are to interfere with the Judges when in the discharge of therr duties, by conversation or otherwase.
In order to prevent any idea of partiality in awarding the Prizes, each competitor for a l'remium shall be furnished by the Secre. tary, (George D. Wells, Esqr.), with a $\mu u$. merical tucket, to be fastenced to each ani. mal entered for a Prize.
The Stock in the Show Yard will not until the Premums are awarded, be known to the Judges by the name of the owner's or grazers, but solely by the thekets and numbers correspondang with the Secretary's vers
list.

The Stock to be on the ground by ten cocluck in the murnag, and reman until threu, P. M1. At 12 o'clock noon, the Judges will commence their dutics of mspection and decision.
The names of the successful conddates- tho Prennums they shafl have ruceived - and for what adjudged-will be publicly amounced by the Prestent, at wwo o'lock, P. M., frum the front steps of the old Court Hilise, upun Church Strect, and afterwards publisho!!
The Fat Cate and Sheep mast be offered for sale to the butchers, betore the amount of any Premum for the same shall have been paid to their owner's.
The Secretary will be in attendance at the Of. fice of Messrs. Wells \& FitzGcrald, 150 King Sircet, Torontw, at 10 o'ciock, on the mormang of the Exhibition, for the purpose of enterng tho nanes of, and issuing tuckets so the various compeutrs. At 11 o'clock the Secretary's lists will je closed, after which hour no further entry can be made.

## A Ploughing Match.

Instcad of a Gram and Root Exhibition, tho Socu: y have ordered that a sum not excecding fifiecen pounds be appropriated for prizes in a Ploughing Match, to take place on Thureday, tho 13th day of October next; and that the following Gentenen, Mesers. Torrence, Gcorge D. Wclls, Grob, D.Smilic, and N. Datis, be a Committec to obtain a fiedd of Green sward, and maka tho necessiry arrangements, of which due neliec will be gren to the public.
N. 13. The above Commitsec will mect at the Office of Messes. Wells \& Fizi(icrald, 150 King Strect, upon Wedncsday, the 7th ciay of Septen!licr, at 11 o'clock, A. II.
Any person having a sutable Greensward Ficld witinn five miles of the City, will have the goodncas to give notice of the same to the Secre. tary, Gcorgo D. Wells, Eagr., betore the 7hh day of September next.

GEORGE D. WELLS,

## Notice of agriculitural shows

The Home District Agricultural Show and Ploughing Mach, will take placo in this City, on Wednesday, the 12 th of Octoher next (see Advertisement on page 143). We aro most anxious to see more of the muthe class farmers interested in the improvement of thicir stock, and farmung operations. Agricultural Societies are calculated to act as a stimulus on the surroundurg farmang community, and unless an active interest be felt in their movements, by those whose weliare they are intended to promote, the benefit derived will be comparatively haited to a few. We yould suggest the propriety for the Committee of management, or Board of Directors, to be considerably augmented. One, at least, should be appointed in each Concession of the populous townships adjoining this city; and their principal duty should be, to exert their influence in enJisting their neghbours in their ranks, w thout regard to party, nation, or tongue. 'Too litite attention, has been bestowed by the generality of farmers to their own interests. If they wish their calling to be respected by other classes, they must leam to respect it themselves. Farming, and farming interests have, in very many instances, become a reproachful by-word, whereas, it mightt and should be considered the most honourable, especially in this country, where the mass are depending upon it for subsistence; we would therefore sincerely hupe, that the Ag ricultural Show and Ploughing Match alluded to; will be numerous!y and respectably attended, and that the farmers of the Home District will shale off their stupud lethargy ; snd, at the close of the Mceturg, that matters and things connected with their best interests will be discussed; and above all, that they will not forget to pass an Address to our Provincial Legislature, now assembled at Kingston, on the important subject of protecting the produce of this country, from a ruinous foreign competition. This consideration alone, should be sufficient to induce our independent ycomany to attend the Show,

The Home District contains upwards of 50,000 souls, nearly the whole of which are depending directly or indirectly on the produce of the soil for a livelihood, and cortanly any suggestions cmanaung from a Socıety, representung such a respectable body, must carry with it a duc proportion of weight.

We beg to state, that at the last Mecting of the above mentioned Society, they passed a resolution, that their proceedings for the future should be publshed in oar Journal, and that they also subscribed very hberally for in on the credic of the Sosiety.

We bave also to notice an Agricultural Show which will take place on the 14th of Ocwber next, in the village of Stuatord. The list of premiums appear vory respectable, considering that it will be the first exhibition of the Society.


## WOOD ENGRAVING - ENCOURAGE DOMESTIC GENIUS.

In the Augast and September numbers of lue Curtivaton, will be seen, a few excellent specimens of Wood Engraving, executad by Mr F C Lowe, Jate of Londun, EngInou, who regularly served an apprenticeshup to that art, with Mr. Jackson, the celebrated Eaglish Engraver, whose engravings are held in high repute, both in Europe and America. The highty finished style, wheh Mr. Howitt's Heiter, in our last number, and the South Dow I Ewe in our present one, are portrayed, must be strikingly visihe to every comonsseur; and recalls to our mind, grateful acknowledgements to the individual who revived in our modern age the almost forgotten or obsolete art of Wood Engraving. We mean Mir. Bevvich, the distingushed Artist, to whom Mr. Jackson owes his great celebrity.

This fiourishing Province should, at least, support one Wood Engraver.

As it was through our solicitation that Mr. Lowe was induced to establish himself in this Civy, we have no objection of having orders addressed to $u s_{2}$ and such-shall be promptly attended to.

Sale or Stock:-We beg to call the attention of hat chass of our readere, who may be desirous of unproving their Stock, to the Adecrtasement of Iolin IIowit, Esq., of Guelph, and of the Hon. Adam Fergussnn, of the neighbourhood of Hanm. ilton; We have already had occasion to speak in commind ible terms of whe furner gentleman's Stock, both horned Catule and Sheep, and wo feel no scruples in rettcrating what we have alraedy sand, that they are the best that have eyer came under our monice in Conada West. At the periud we called on the latier gentlemen, being in the month of $\Delta$ pril last, horned Catle of overy'description were not in a state toshow to advantage, hnwrver, we virre prepussessed in their favour, and would consider the sale a fit opportunity for selecting chuice specimens of the Pure bred Dur. hams.

Cornectron.-In the third line from the bottom, in Mr. Severn's Advertisement on the $1 \geqslant 8$ th page, tor "One Dollar each," read "Two Dollars cach."

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In addition to the above, wo kindly solicis. In addition to the above, wo kindly solicis.
country and village Myierchanit, and Farmere possessing induence in their reapective circlei to procure sibscribers.

Orderswill be receivod at J. Eastriood \& Co.'s-Leslic \& Brotherim-Georre Leilie's
Seed Stope,-and at the Star \&o Tranecript: Office.

Primediat ihe Star \& Truanecripropicion,




TORONTO MARKETS:
For the Month ending lat September, 1842.
 Wheat,................per buslel 32 a 4 o Barley....


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## Purk...

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Mution und Veal (ar.)....peri.. 15 Bustor... $\qquad$
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Purkeys.. $\qquad$
Chickens. $\qquad$ yer coup or dozen
143... ......do..... 25

## SHORT HORNS.

THE Subscribers propose to sell by pub. lic Auction, in Dundas, '(Flamboro' West, ) on Saturday, thie 15th of October. being the day of the Gore District Agricul: tural Show, a valuable jot of

## IHOROUGH-BRED

## DUREXAME BULIS.

The animals are healithy, genite, and of fine symmetry, and correct Herd Book Pedigrees will be furmshed. Thefr ages vary tro.u faurteen months to four years. Breed. crs are reminded that thus is a rare opportunity of obtaining

GENUINE STOCK.
Tcrms - Fair and liberijl. Easy watoz conveyance from Dundqя.

Sale to commence at 12 o'clock, noon. JOHN HOWITT. ADAM FERGUSSON.
N. B.-At the same place and on the same day, Mr. Howitt will expose a Jarge and beautiful lot of RAM LAMBS, pure Leices. ter, South Downs and Croes. Also, six val: uable Calves, one a yearling.

## HURLISLEED MONTRLX.

Wx. EVANS EdTHoR, and
W. G. EDMUNDSON PROMRTROR.

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