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Yol. I.

## NOVEDBER'А MLASI:

## "the ylowers ark gowk."

Tho melancholy days are come, Tho zuldeat of the yenr.
Of wailing wind and naked noode, And meadown brown and were.
Henpid in the hallows of the grove,
The sumner linves lio dead.
They rustle to the oddying wind And to the rablit's fread.
The robin and the wren are flown, And from the shrubs the jay;
And from the wometop caws the crow 'Ilrough all the gloony day.

Whero are tho flowers, the bright young fluwers,
That emild bencath the feet,
Of hues so passing beautiful.
And breath so passing sreet?
Alast they all are in their graves,
The gentle race of flowers
Are lying in their lowly beds.
With the fair and good of ours.
Tho rain is falling on the graves,
But the cold November rain
Calls not, from out the gloomy earth,
The lorely unes ayrain.
The wind-flower and the violet, They perished loug ago;
The briar, the orchis, and the rose, Died 'mid the sumumer's glow;
But on the hill the golden-rod, 'Ihe nater in the woonl,
The yellow sunfower by the browk, In autumn beauty stood:
Tjill fell the frost from the clear cold heaven As fallis the plugue on men.
And the blossom never smiled again, By upland, glade, or glen.

And wor, when comes the calm mid-dayAs still such days will comeTo call the squirrel and the bee From out their winter honse;
When the sound of dropping nuts is heard
Though all the trees are still.
And twinkle, in the smoky light,
The waters of the rill. The waters of the rill:
The south wind searches for the flowers Whose fragrance late ho bore, And sighs to find them in the wood, And by the stream, no more.
I then think of a loved one, who
In youthful beauty died;
The fair meek blossom that grew up
And faded by my sido;

We lnid her in the cold moitt arreth, When the fureat case the leaf, And reput that melio lovaly ono Should have a lifo so bnef.
Tit nut unmeet it Fins that one
like that young friend of ours,
Sogentle nad no benutiful, Should perish with the flowers.

PKEIIMINALI POINTS TC BECONSIDERED, BEFORF A FARBLEK, CAN UNDERTAKE WITH PRUDENCE THE OCOURA 'IION OF ANY EXTENI OF LAND.

## Sect. II.-Soil. (Continued from page 3.)

The surface, or outward coating of land, usually consists of a collection of various earthy matters, in a loose and porous state, with a mixturo of animal and vegetable substances, partially decomposed, togother with cerfain salino and mineral ingredsents. Where favourably combined, it is admirably calculated to afford support to plants, to enable them to fix their roots, and gradually to derive nourishmont by their tubes, from the soluble and dissolved substances contained in the soil, (as this mixed mass is called), or passing into it. The strata on which it is incumbent, are known under the general name of subsoil.
The importance of the soil has been described in various ways. By some it has been called the mother, or nurse of vegetationll. By others it is represented es discharging functions to plants, simular to those which the stomach does to animals in prepariug thoir food, and fititig it for absurption by their roots. It furnishes the plant also with heat; for a well cultivated and highly manured soil, is much warmer than the surroumbiner atmosphere. The farmer, it is said, ought to stuily the relative value of the different soils, as a merchant does the worth of the several commodities he deals in. Good soils, it has been remarked, will seldom yield a scanty produce. In short, a favourable soil and climate, are decorvedly The necessity of first riches of a couniry.
The necessity of paying altention to the nature and quality of the soil, need not therefore be dwelt upon. 13y ascertaining the qualities it possesses, or by removiner its defects, the profits of a farmor may be greatly increased. He must, in general, regulato his measures accordingly, in tegard to the rent he is to offer,-the capital he is to lay out,-the stock ho is to keop,-the crops
ho is to raise, -and tho improvements ho is to make. Indeed, such is the imporfance of the soil, and tho necessity of adapting his system lo its poculiat properties, that no goneral syatum of cultivation oan bo laid duwn, unless all the circus:isances regrarding the maturo, and situation of the soil and subsoil, be known; and such is the forea of habit, that it rarely happens, if a farmer has beon longe accustomed to one species of soil, ho Wilf be equally successful in the manago-
ment of anothor ment of another*.
From inattontion to tho nature of soils, many foolish, fruitless, and expensivo attompts have been mado to introluco difierent kinds of plants, not at all suitod to them; and manures havo ofton been improperly applied. This ignorance has likewiso prevented many from employing the means of improvomont, though the expense was trifling, and within their reach. From iguorance, also, of the means calculated for the proper cultivation of the different soils, many unsuccessful and pernicious practices havo been adopted.
Soils may be considered under the following general heads :-Sand ;-Gravel ;-
Clay ;-Peat ;-Alluvial ; and, Loam, or that species of artificial soil, into whioh the others are generally brought, by the effects of manure, and of carthy raplications, in the courso of long cultivation. While describing each sort, we shall briefly state the modes of improving their texture;the crops for which they are respectively alculated;-and the districts where thoy
are cultivated with the greatest success are cultivated with the greatest success.

1. Sand.-A soil that consists ontirely of small grains of a hard nature, (silex), which noither cohere together, nor are softened by water, nor solublo in acids, though it ought not to be totally abandoned, yet is too poor to bo cultivated with advantage. It would indeed be hazardous in the extreme, from the risk of having the covering soil blown off the now-sown grain, in the spring, by high winds. Saudy soils, however, gene-

[^0]rally have a coneiderable mixture of other aubstancee, by which there quality is greatly ameliorated.

The lest move of improving the textum of such a moil, deficient in retentivo or athesivo propotien, in, by a mixture of clay, marl, warp, (the sodiment of navigablo rivers), scapoze, sea-shella, peat, or vegetabio catth; nud it frequently happers, that under tho sand itself, of in its mimeliate, noighbourtoent, the materials may bo foumd which are tequiaite for ste improvoments. Eiven light sandy sole are thise sendered rotontivo of thoisture and manure ; and whotn judicodialy. Theated, aro considored to the more prufitable, than the wheat lamis in their nerghbourhood.
In some parte of Noffolk, they have arailed themaplves of thene anviburses, for 1 m proving a sanily aonl, in an cmuneut degroo: They havo thus entirely changed the nature of the soul, ame by the continuation of judicious management, have given a degred of fame to the huabindey of that distruct, far aurpaseng that of others naturally more fertile.
The improvement of a sandy sonl is generally accomphished by tossil manurea : but vegotable substances are hkewse effectual. Top-dressuga of peat and black muck have been tried for that purpore, and the experimonts wereattended, not only with ammediato good effects, but with permanent benefit.

Though sandy sonls are not naturally valuable, yet being castly cultivated, and well calculated for sheep, that most profitablo species of stock, they are often farmed with considerable advantago.
Sandy solls, however, of a good guality, undor a rogular course of husbandry, are invaluable. They arocasily worked, and at all seasons; they are cultivated at a moderato expenso; aro not so liable to injury from tho vicissitudes of tho weather; and in genoral they have a dry soundness, accompanied by moisture, which socures excellent crops evon in the driest summers.
The crops raised on sandy soils are numerous, such as common turmps,-potatoes,-carrots-barley-ryo-buck wheat-peaseIndian corn-clover-sainfolus, and other grasses. This species of soil, in general, has not strength etrough fur the production of Swedish turnips, beans, wheat, flax, or homp, in any degree of perfection, without much improvement in its texture, the addition of great quantities of enriching manure, and the most skilful management."
When under a courso of cultivation, it is a great advantage to sandy soils, either to fold aheep upon them, or to consume the crops of turnips upon the ground where they are raised. These practices, mieatly contributo tc ind improvement of such soils; and they aro thus enabled to produce luxunant crops not only by the dung and urino thus deposited, but by the consolidation and firmness of texture which the treading of the shecp occasions. When cultivated, manure should be frequently appled, and the vegetable matter shoult bo less decomposed or sotted, than on other solls. Some larmers

* The best mothod of raising wheat on eandy lands is on a clover ley when the soil has got in artificial solidity of body, and is thereby rendered capable ofsustaining this grain till it arrives at matarity.Brourn's Treatıse on Rural Affairs, vul. i. p. lùl. Wheat also may be successfully raised on sandy lands after turnips, eaten on the ground by sheep, which consolidates the soil.
likewino inaert the pulmarent mannen they employ, it in considerable depth, (8, 10, or 12 inches), to provent a too rapid decompoaition.

The carmot hrabreitity, in tho "Sandlinge" of Suffolk, an they aro called, in one of tho mont interesting objects to bo met with in Brotinh agriculture. After deiraying all exjennan, the profit is conaderable. inme prefor to finten luallocks with thom; whalo othera, who haro the adrantage of watercarrage, think it mont benchcial to mond thrir cartits to the landon markel. Carmes are likewino all admirablo proparation for other cropst.

In Norfolk and Suffolk, it is found that puor anilly roils, not worth ba. por acro for nily other purpose, under samfotn, will produco, after the firkt year, nhout tro tons per nere, of excellont hay, for noveral yeata, with an after-grins, extremely valabilo for weantug and keopung laubs. How much more beneficial, than any crops of grain that such sonls us:ially yurldit!

The manngement of sandy land, accordiuiz to the ajatem ndopted by tho colebrated Duckelt ot Petershain and Faher, in Surrey, has been strongly recommended by an eminent author. It was founded on threo principles: 1. Ploughing very deep, by which a due degreo of moisturo was preserved in his light land, and the crops were flourishing in sensons ot drought, which destroyed those where the ploughing had been shallow;2. Ploughing aeldom, but effectunlly, by a trench plough, or what ho called a akimcoulter plough, with which he buried the weeds that grew on the surface: ho has been known to put in sevo.: crops with only four ploughings; and,-3 Occasionally raising a crop of turnips tho same scason, after a crop of wheat, or of tares.

In the Pays do Waes in Flanders, and is likewise cultivated to gront perfeotion. Tho soil of that distriot, which was originally a barron white sand, by a slow, but sure process, has at last been converted into a moist fertile loam. The surface, to the depth of three or four inches, was at first alone cultivated, but the soil was gradually deopened, as it became progressively enriched; and now the ground, at the commencement of erery rotation, is trenched by a shovel, (the soil being very loose), to the depth of from fifteon to eighteen inches, the exhausted surface is buried, and fresh carth brought up, enriched by the manure washed down into it, during the seven preceding yoars. It is then subjected to the following course of crops : 1. Potatoes ; 2. Wheat, manured, sown in November; 3. Flax manutod, and sown with clover-seed, for the next crop; 4. Clover; 5. Rye or wheat, Oats after the ryo; and, 7. Buck-wheat ; at the end of which period the ground is ngain trenched.

The double crops raised in the sandy solls of Flanders, in the course of the same year, are attemled with much advantage. The Flemish farmers thus obtain a greater quantity of manure, than they could produce under any other system, and by this are enaLled to extract so much produce from soils, which were originally storile, and which would soon revert to their former state of barrenness, without the greatest industry, and the most unwearied attention.

In the management of gamly soils, three rules aru tu be ubserved: 1. Nuver to pick

Suffilk Repurt p. 125.
Young's Calendar, p. 123.

If any armall atonce that may bo foumd in them, as they answer many ralunbla purpoara: thry alielter the goming ntalk in bad reather; they presetve monatore, and prevent the ref. finm being hurnt up by acorching heats; they hinder the oraporatom of the enurhum jucon; and. by theso meann, gerently asaiat the progrees of regelation. 2 . Frequentiy to renorate the atrengith of nuch aniln, by laying them down with grases-kecila, and pasturing them for a few jerars, as they are mo api to bo exhansted by amion, if corn cropa tro too frequently repeated; and, 3. When farm-yard lung is applied to this description of ail, always to givn i. in a atato of commpant, with a riew of adding to tho tenacity of the sonl, and to prevent the manuris from being disanpated in a diy menson, of waned down by snill.

It may lo added an a groneral maxim, that the follitity of sandy, or aliceoun soils, is in proportion to the quanisty of rain that falle, comburd with the frequency of its tocurrence. As a proof of thif, in the rainy clamate of Tumn, the moat prolfic moll has from 77 to 80 per cont. of siliceous eaith, nul from nane to fourteen of calcareous; wherens in the neughburhood of l'aria, where thore in much lese min, the silex is only in tho proportion of from 26 to 50 per cent. in tho most fertilo parts.
2. Gravel.-Gravelly eoils diffor materially from sandy, both in their textore, and modes of management. They are frequontly composed of sinall soft atuncs, nometimes of finty ones; but they often contain granito, limoatone, and other rocky substances, partially, but not very mintutely decomponed. Gravel, being more porous than even sand, is genorally a poor, ind what is called, a hungry soit, mure especially when the pats of which it consists, are hard in substanco and romoded in form. Gravelly soils are easily exhauatod, for the animal and vegetable matters they contain, not being thoroughly incorporated with tho earthy constituent parts of the sonl (which are seldiom safficiently abundant for that parpose), are more liable to bo decomposed by the action of the atmosphero, and carried off by wator.

Gravelly soils are improved of draning, where they are troubled with springs, though this rarely occurs;-by deep ploughing;-by mixing them with large quantities of olay, marl, peat, or other earth; by frequent returns of grass crops ;-by repented applications of mature ;--and by itrigation, it the water be full of sedinnent, and jadiciously applied.

Sometimes the gronnd is so covered with small stones, that hardly any mould is to be seen. Land of this description is very troublesome to work, and is iujurtons to the implements of husbandry employed in the cultivatson ; but with proper management, at call uften bo rendered highly profluctive. The stoncs on the surface, by shelteting and beeping warm, in the cold seasons, any small quantsty of soil which is amongit them; and by protecting it from the scorehing anfluenco of the sun, in the hot season, frequently prodace abundant crops.

* Remark by Edward Burroughs, Fsq. This of preserving stoncs, is by some extended rule beyoodsandy soils, more especially in hot chmates. Even in this country, stones are said to bo ot use in pronoting the depth of thin suils; in rendering the texture of clays less compact, and less apt to subside, and where the soils ate puffy, in collecting the shifting looseness of the materials

Tho etone-hrath, or comatirash mala, (as they amprovinetally ralleni, of(ilune esteralure. nud the inulland cinnutiog of lingland, may lon meluded under the seneral head of $\mathrm{gra}^{-}$ willy mile, burus an much miral with small nomes. Thry have frequanly, hownver, morn sand, or clay, or calrarebus loam, in their composition, than gravelly aoils usumily pooseas. and on that aco ount, are troateil of liy amme nuthors as a diatinct apereine of mol.
(ir. velly woik, from theur parting so roailily with momaiure, ane apt fo burn, as it in calloil, in dry seasons; lut in wet will pronduco eares, poase, ats. lidian wern and csen wheat. It hate bern found that a thin etration of gravel, if mixed whin abolla, nud olhor tmarime productiona, possorssestinatis ndrantagera for rultivation in a wet olimate.

A gravelly aoil. free from stagnant wator, givers such an addotmal warmeth to the ofainate, that vergetation is nearly a forinight earlier, than where othיr sols predominute. About lartford and Macklicath, in Kent, such soile proxuce earl) qreen pease, winters tares, ry ${ }^{\text {a }}$, autummal perse, and orcasionnally wheat, in great peofection. When barleg and nats are cultivaterd, thes shouhil be sown rery carly, that they maj have full possession of the ground betore tho diy season sets in. firavolly soils, in a wet climate, answor well fur potatoes: and indeed, in Cornwall, in a sheltered situation, with a command of son-saud, and of nea-woed, they rasu two crops of potatoes in the siamo year.
foor gravelly soils, full of aprings and allphureuus veins are very unfrienilly to vegotation, and are bettor calculated for pasture than for arablo culture.
3. Clay- $\boldsymbol{\lambda}$ clay suil is distinguished abovo evory other for tenacity. It feela shooth, and somewhat unctuous. If cultivated in is wet state, it sticks to the plough like mortar, and does not soon becono dry. It is ofton, indeed, of so adhesive a nature, that it will hold wator like a dish. In a dry summer, the piough turns it upingreat clods, it requires, therefore, much labour to pat it in a state fit for producing either grin or grass, and it can only be cultivated, whon in a particular atate, and in favourable weathor. Though it will yioh under a proper systom of management, groat crope, yot being cultivated at a heavy expense, requiriug stronger instruments, and stouter horses, it is seddum that much profit is obtainod, unless when occupied by a judicious and attentive farmer. The very superior managoment of clay soils, as is practised in the Iothians, is furtunatoly an exception to this genoral rule.

The value of a clayey soil, doponds materially on its having an open subsoil, which renders it more tractable and proluctive. Its texture is ameliorated by a suitable mixture of commun sand, rea-saad, and abuve all, of limestone gravel, where that can be obtained. Peat-muss alioo, that has for sume time been dug up, and exposed to the action of the atmosphere, may be used wilh delvantage. It is likewise necessary to enruch it with putrid and calcareous manures, in the course of its cultivation : and it may bo much improved by having a considerable quantity of ashes mixed with its putrecent manures. It is this which renders clayey soils, in tho neighbourhood of towns, so extremely fertile.

Under proper culture, clay soils are well calculated fur gruwing crops of beans, wheat, oats, clover, and tares; but not for berley, unless immediately after a fallow; nor for potatoes, unlese under very peculiar management. In regard to turnips, they do
not usually thrive so well in clays, as in mola "hich aro mors free and opon. llut it is now ancertained, that tho Swedish, and above all, the gellow lurnip, mas bo raiend in them williadsantage; that the quality ss suporiwr, - that if thos are tahen up carly, thes soll is mot injurod, - and that there is no diffioulty in proserving them. Claga become good me'ndow-lanile, and answor well for hay, or sonlung, when in giasa, but from thers aptituda tu be prached, they are, in gonaral, whe fit to bo fed by heary cattlo in wit weathor. In dry suasons the dfur-grase may be uselto foed neat cathe till Octolero, and shereptill the winter. A atiff clay, howevor, whon nut cohl or wet, with astrong marl umber it, is profered in Chesharo and Dorlyshire, for tho dairy.

Ploughang prevaus to winter authit: in, in of great uso to claye, by expusing the surtaco to the frost, whel mellows and reducers it in a mannor intintely supernor to what could bo accomplished by all the opuraticis of man. In thas atate, the sull remabins thll apming kecollime, when it is elther ploughed with it abiallow turrow, or morely searised, (which is tho superior practice'), and sown."

The fallowing of strong clay (a subject to be alterwards more fully discussid), is by sume eminont farmurs deumed to bo unnocessary, providod part:cular attention be patil to the beril crop, and to sowing early, horsohoengr regularly, and weeding completuly. Yet thero aro certainly many clay soils, both on Eingland and Scotland, so tenacious and obdurito, so adhesive to every thing that comes in contact with thom when wet, and assuming, whon dry, auch a stony hardness, that they aro but ill calculated, in that stubborn stato, for the purposo of vegotation. In that caso, a summer-fallow is indispensably necessary overy six or elght years; both to provent such soils from contracting a most injurtous sourness and adhesiveness from wet ploughing, and in order that, by oxposure to the sun and winds durturs tho summer months, they may bo thoroughly pulvorized, and aerated, and thus by cultivation, joined tr tho corroctive influence of tho atmosphere, may bo brought into a stato, fit for bearing abundant crops of grain and grass.
4. Peat.-This substance is unquostionably of vegetable origin. 'The difference botween it and vegetable mould is this, that mould is derived from finer substances, as the leaves of trees,-the romains of arable cultivation, -and the roots, as well as the leaves and stalks of the finer grasses, which contain a large proportion of earthy matter; whereas peat is chiefly composed of various sorts of aquatics; which, instead of rotting on or near the surface, are generally immersed in stagnant water, anil not decomposed. In valleys, peat-moss has often a considurable proportion of vegetable oarth in it washed from the higher grounds.

An authur who has successfully explained the nature of peat, has adopted the fulluwing classification: 1. Fibrous; 2. Compact; 3. Bituminous peat ; 4. Yeat mixed with calcareous matter; With sand or clay; 6. With pyrites; and, 7. With marine salt. Each of these, he contends, differs essentially in its compusitiun and chomical yualities, and above all each species requires different tredtment, in order tu convert it, vither into a soil, or into manure.

[^1]In converting paet into carth, it is a mule, to plough of dige it in autumn, that it may bo elfectually napaced to tho wimar's froat. If thia laboir bo not commencod at a propor noason of tho yiar, and if the prat bo mico hardoned by tho summer's sun, it is harlly presible afterwante to iteromposo $1 \%$.

The crops beat calculated for a reclaimed pent-bog of moar, aro, oals, ryc, borin, potatoor, turnipa, carrols. whito nnil red cluver, and limntlig. Whoat and larley haves sucoecded on such lands after they havo been aupplied with abmedance of calcareous carth and tho fioringraen, (ngrostis stolnnifrra latifolia), soomn likowiso io bo well minpted to that dearription of soll, when mosleratuly surfaco-dmined.*
The miprovement of peat-bogn, and of all wot landa, must bu pree dod by draining; atagnant water bring injurions to the nutritira qualities of tho soil which all claseses of plants absolutoly require. Soft black peatcarth, whon drained, is ofton romdorod prodlectivo, by the mero application of and and clay as a lop-lressing. When peat containa forrugnous salts, calcareous mattor is absolutely necessary to fit it for cultivation. When mosses or bogs or black muck alwund with the bratuches, o: the ronts of trees, or whon tho surface ontirely consists of living vegetables, thoy must cithor be carried off, or burnt. In the last case, their ashus furnish ingredients calculated to improve tho texturo of the peat. For this soil, soap-ashes aro found att axcollent manuro.
In Loucentershiro, Fingland, and other counties, thoy have great tracts of meadow land, which, in many instances are the sites of lakes filled up, the soil of whioh is composed of peat and sodiment, the formororiginally formed by aquatic vegetation, and the latter brought down by rains and streams from tho upland. This forms a suil admirably calculated for grass.
The fens in Cambridgeshire, Lincolnshiro, and several other districts in England, likewiso consist of peat and sediment. Thoy aro pare? and burnt for turnips, to be fed off by sheop, which. by their manure, enrich the soil. After two crops of grain, they are sown with grass-seeds, two bushels of ryograss, and eight or ton pounds of whito clover), and remain in grass for fivo, six, or seven years; the longer tho better. In the fons, beans have also been cultivated, but have not been found to answer; nor can fon land be fallowed with advantage; for i: dves not bear much stirring. On such soils polatoes, and above all, carrots, have been tried as an intervening crop, and with success.

The great object, however, is, to alopt the most pruper management of fen or peaty land for hay crops; and here it is proper to mention a modern discovery of grent moment. It is ascertained, that by suffering the second crop of grass, that might often with difficulty bo cunverted into hay, fu rot upon the ground, an immense pruluce of hay is ensured for the succeeding yoar, and that fon land may thus become a perpetual meadow. This important fact is corroborated by some exporiments which have been tried near Oudenarde in Flanders, where tho same eflect has been pruduced, by leaving the second crop on the ground every secund or third year: the grass produced the succeeding year, being of extraordinary length. The same expe-

* A slight notice of this valuable grass will be found in our next number.
rimpit was triod last gear with aimilat temith on a farm up the Ditawa tivera fobout forts-fisminge- from Montimal. Wie shall bime olir remisk on thrao impmitant proliminars prome to a conclusion in obe nest.

How TO COVFK OTR RAITWAY GEAR. ANTEF: ANH BLDPOHT OCEAN STEAMERS.

## Fom, the Toronto l'atrwe.

In our publication of Fitiday laal. wo gave umilor ous inereantile lienal, the (iarcular of Mr. T. Reximy, the head of a leading Canadian comencrsial houen in Now York, which in all probability has resaped the notire of inost of our teadors; but an it containe mattera of grave amport io the people of Canada. We nowe relor to it for tho purpoar of a epecial notiee of ite contento.

Mr. Riginy"e circular informa ue, that "in the Unted Siates the crop of all diacerphions of grain will be moat abumdant, with a large atock of old wheat on hamd, wheh, in coneoquence of the late low pricer, has been withliell from market. Tho prevaling opinion is, that priess will rot advance, but will contimue with hatle varation at proaent figures." Now, this bring the coser, it is quite clear that the Canadian farmer hat not tho most remote chance of the Uniled Status being a market for the conoumption of Camadian produce during the ensuing year, any more than it has been during the laat four years, during which Freo Trado has been inflietod on us, and thus one of the delusions ly which Free Trade and Reciprocity wero saddled upon the peoplo in at an end.

But Mr. Rigney lays bare to us another misfortuno aising from the dulusion of Freo Trade, wo mean tho evils which have birth in the diversion thereby of our transit trade with Gireat Britain from tho St. Lawrence to Now York. He gives us the total imports, in bond, to the Unacd States Erom Canada of erain during tho past yenr, and he states it as follows:-

| Flour, (barrels)............... | 335,000 |
| :--- | ---: |
| Wheat, (bushels)........... | $1,37 \cdot 1,800$ |
| Corn, (bushel4)............... | 2,457 |
| Meal, (barrels).............. | 1,950 |

From which it will bu porceivod, says Mr. Rigney, "that the total export from the United States in 1850, reducing the wheat to flour, was equivalent to $1,389,351$ barrels; and the import from Canada the same year equivalent to 609,960 barrels, being almost onf:half of the total hiport from the: Usited Statra." Nor is this import of Canadian produce by a neighbouring State declining; on the contrary, Mr. Rigney tells us, "The deman I for Canada flour for the lower British ports still continues to absorb a large proportion of the receipts from Canada, at prices some what higher llan the ruling rates of domestic ;" and he adds: "ifbought in Canada at reasonablo prices, cannot fall to pay at the present low rates of canal freight."

Here then is impottant information for the Canadian farmer. One-half of the total export of grain from the United States was of Canadian growth, which brings a higher price than the domestic growth, and is consequently more profitable to our Yankee customer in the British market. Now, let us see what benefit our Yankee neighbour derived by this his trade with us in grain during the ist year. and hhat wo lost by not sending

If ditect to the llritioh market. I.et us allppoen that the equivalent to fong, will bareme of flour was ant from lhaifaln oo Nire York. The prexent lave froight and toll from that poll in 8.5 cents per bintel, an that on tion.
 Buatalo to New lork would amombt in the large athm of $£ 129, f i f$, exrlusive of a duty of $2:$ per cent., and as the areraser value of a liarral of flour dizong the past war was 21s. B.l., the groses valum of tha flourg, is EGIR,042, nut the iluty thereon paid in the Statea for ita transit in bend, would ber $\mathcal{L l}$ li,201; ro that for fretight, tolla, and dity on this singio sitirle of our promince, wre put buto the porkets of our urighlmura has yrar flijixdo. But with whatage, atorage, Sic. added, we may anfoly say the sum of ciso.(OK) was thue fint to ('anada durnue tho paat year by ahpping cour gean from New York, inatead of from a ('annadian putt.
llat this in sut all. The averaco profit to the lanker axpoiter of our flour in two shistlingen pre barrel, of c60,9?fi on tho pat year, and this anded to the foremong $\mathrm{f}(\mathrm{GO}, \mathbf{0 K})$ awrils our lose on flour alone in that year to
 thue pay anmually on other atticles of Conndian priduco, tho iotal, wo suspect, would exceed the whole revenue of tho provinec.

Wo have occanimally heard a great deal of the madness of Canada, in thinking of $n$ railway from the far west to l'alifax. True it in a zertons matter to guaranten tho anmual interest on four millinns of poumds, which amounts to $£ 160,000$ a-year, and it may be scrious toguarantec $\mathrm{fl0,(000}$ a-year for Ocean Steamers fromn Quebec to a British port ; but if that milway, as it must when complete, or these steamers, if put on, should take our export trade once more !hrough our own territory and for our own advantage,-if thes kecp in Canada this a'ell,000 which " annually put into our neighbours' packets on this singlo branch of our trade, and bring back all our transit trado to our ourn peoplo and our own terfitory, surely we have the full amount of the annual puarantec at once fully covered thereby, and a handsomo surplus to leavo in our own pockets, or, in ime, to pay the original cost of the lines. The sooner then we have our railwass and our ocean steamers the better for every class of Canadians, whether merchant, agriculturiat or labouror. With railways from the far west to our own sea-porta, 一with a line of ocean steamers for the aummer, and with an extended line of railway to Ilalifax for winter, then indeed would the trade of the west flow through our territory, and the prospects of Canada go far bejond our most sanguine ex-pectations.-

## TULIIANGHOWTII OF WHEAT: A WORD

 IN SEASON, BY IIEWITT DAVIES.Many of your readers will recall the correspondence that has lately appeared in the Gazelle on the T'ullan theory of growing wheat year after year upon the eame land, and without manure, simply by means of preparatory deep trenching and annually digging between the rows of the growing wheat. There is so much in the principle this involves that is opposed to the general ideas as to the all-inportanco of manure, and at the same tume so much is to be gained in our practice, if it be true that hy improved cultivation the occasion for manure for growing wheat is lessened, that I am
W.atohin: whin orrat minerat the progerper of tho soventh cmp sorsin, which the anthor of " 1 word in s.amen" has now grovinge, and it wan whh mumh plavirat rad the following Iftor from lim:-Vicaraser. I, ia Wecelon, Towreater, April 29.My drar Sir: Yim havo takno an much mtefest in my farming uperationa, that yon will im eqlad, thoregh not eurpused. to hear that my finur-acte fimh of whent, which you anw in the winter in attearting arionishment. It in roitainly the moat licautiful growing cmp I ever behelif: it has all the fine qualilime wolook for at this A nonn, reen all over the lani, and net varyiug the leaset in healthe colnur." "This fremit of the wheat I wan fully propared to hear, fom the fing appeatancel anar 11 prosmented in the wintor: and now let mo nak what moto can lon satd of nat erop that has had a preparation and a scridite at tmble the cost? This instanen of what may be done by tillage, "hilhout manure, to growe grain at much lose than the usual chargen, I regard the mowi worthy of attention. Not, he 1 linve berfore avid, he an example to toe cupied by farmeta in ita detaik, but an teaching tho benetit to begamed frum deep tiliagn and tince comeninution of the soll between tho rown of the growing crop; a lesson which an intelligent farmer would road in apply to trench ploughing his land, nand honing and soarifying the ground betwren his joung corn. The hop grawer adopts the practicu betwonn his hops; in the spring of the year ho turns over the grouml with a fork. nind breake up tho aurfaco betweon the rows with his nidget, and be will tell you the practice is necessary to onsure a healthy and luxuriant growth, and tho scutiling plough and scarifier haro long been intioduced between the rows of beans and peas, and roots on the beat cultivated farma in Scolland, and tho north, with great alvantage to the growing crops, and still more to thone that follow; and whet is there io prevent $n$ general extension of the practice to wheat, oats, and barley, now that we have Garrett's horsc-hoe, which, at a cost of lews than 1 s . nt. acre, eniblos the farmer to hoo perfectly all grain, drilled even as close as 9 inches. In inalancing thas narrow width, I am far from thinking it so succeseful an much wider. I have long since abanduned anything closer than a foot, and atm still getting wider; I have oats and harley nt 21 innches, so as to admit of the scoflling plough passing between the rows, and expect I shall find this widtt: near enough; and how can I think otherwise, when Ifind Tull in ruder times could grow 4 quarters of wheat en an acro, year aftor yea:, firm double rows, with 4 feet intervals, and without manure; Lיㅔ! ace Mr. Smith realizing 33 bushels an acre for aeven successive years, from three rows upon 5 fect beds, and also without manure; and I sill appeal to farmers holding only arablo land, whose accounts have been so kept that their stock shows its cost and eipenditure and loss upon it, whether a practice which lessens the ocension for manure and for keeping of stock be not a desideratum in com growing of the greatest importance. The lessons we have had in shed-feeding, \&c. are of the greatest value in teaching us how to produce manuro at least cost, but the most valuable lessons of all will be those which teach farmers to do with less manure. The cost of manure produced at home is far greater, and has far more to do with the profit, and loss to bo made in farming than mary peoplo are aware of.

## fl.IT.

Prom the Guotore Timer.
Haring in anseriee of gilicios ailvorind in the rultivalion of liax un (anaila, wn trould fu:' up our advocary of that guration by layine lopforn our readere the peanlis of a foir merne anvelusatione modo witha s anw of ascortatnugg the actual amount of sibm to ben olvainmel from a giving yuantity of llax. the produen of this ymareroup in ('anizila. Wiohad wo hraitation in aseerting in each ofousp noliera that tho aoil of thin prorince presented armis inorgation mperdiont irguisito for then productoon looth of thar and homp cropa to an eximut folly equal-if nut auperior to then
 proxlucte aflorded tiy the eainples here operatoll upon, ware ill avery wiy coninenaling of the opinime wo then exprosech. A pareol of thax in the sliav, freali pulled from tho field was arnt ua ho. Mr. Mr lhanalif, from the Sughary of P'ut Xiauf, af differoni degrere of timoness, from tha . wo wero chathled toselect parcols of two differemt rualitoes fino and coarke, and to dotorinium upion tho relativo productivenoan of ench, ubider the moderis procesaen of arparating the fax from tha woomly atom. Tho following are the reanlin of a main of eighe trals, comblucted with all tho accurary and close nitertion we could possibly athord liom. In no insianea was thern a losed of any portion of the fibre; consequontly the prolucts are to bo mpariled as maximum amoun's, although fully altainable, outher upon a large or small soalo by any intolligent oporator, from the samo quality of raw material.

The loss of weight in operating upon 100 patts of dry tlax was.

> COAREE BAMPLER. $\begin{aligned} & \text { Ioss in acpariting slutinous } \\ & \text { matter........... . ............ } 26,5\end{aligned}$ | I.oss in shives...................... | $\frac{62,0}{78,5}$ |
| :--- | :--- |
|  |  |
|  |  |
|  |  |
| 1,15 |  | 21,15 100,00

fine samples.
Loss in separating glintinous
ma:ter............................. 20,
noss in shives................ 51,


## 100,00

Theso results exceed any with which we have been familiar in Europe; 18 or 20 per cont. of marketablo fibres was always considured an extraordinary yield, and not grower out of ten can be said to realize this figure; a sixth or a suventh was, and is to this hour, considered a remunerative return.
To gur-louruolves agrainst misconetruction in treatilife of the soils suitable to the growth of tertile labrica, it becomes nocessary to say a few words. We have repeatedly assersed, and challenged contraduction to our statement, that the fibre of flax or hemportracted nothing whatever from the soil, that the organic elements, of which it is composed, aro exclusively derived from the atınosphero." Whyt thengive any preference toone soilabove another, if the products derive no portion of its substance from such a source? The answer is easy and satisfactory. The flax plant will only develope itself healthfully and vigourously in a soil presenting all the
organic and inceanse fond wheri it mave migure fur bubliting up the vanoun portinne of its eimetiler, and if then, demanila aro not
 furictinn musat ant irearilingly.

The anile of Canalia, 1 in their comparative firatinnak ores thoen if the ridd Country, contain to a murh greater este is the necraeary .upplier for tho wants if tho plant. Anil ungeneral, the merhatical atructure of the lamd dacif, in highly five uratiln to tin growth, long practice having shown the anprorerity of hiaht ionmy soila for the purprome.

When wen enneider the koll of thoen countrima in which tho manufacture of linen and ollier flax promlurta lise lwemme the orharace irnelie fact of theis imbluetrinl helory, wo fint in almoth all rners axerpl Irolatid, a geningiral coinculionen of conalitution. In Eeypt, whosn digniatorion wem elothed in purple and find limeti, and from whener the culture of tiax lia* epread orer the civitizend worlal, the soll was formed hy the mud garrand down by the overflowinga of tho Nile, and apread over tho aurface of the lowner connery aloteg ite banke. Thin enils of Brelgium and lifilanil, tho enunture now most tomarkatilo fap the excellenen and abundanere of their flax indusiry, haser been produced liy the accumalated muil deposited by tho great riveth, which draining tho greater part of Furnpe. diadinign their watorn by numerous channols into tho German Occan. Tho rirats which flow into tho Baltic afford, also, on the low grounde along thoir banks, the seats of tho flax agriculture of nussia and northern Prussia; and guided by theso analogies, may ue not ask, aro thero not in crery part of Cana, s aimiaro thoro noty conatituted soila ? riho boricers of hier rast lakes and tho margins of hor muphty river oflers boundloss tracts of rich alluvium, boyond all comparison the moss suitable for the production of fiax and hemp. The districts about Iako St. Johns, as described by Mosars. Mamel and lBaddely, aro precisoly of inis character and origin, being evidently deposited from tho water of a great lake, which at ono period, must have covored tho whole of tho surrounding country.

## THE GHEAT MUNSTER FAIR IN I.ISEHICK. <br> DY Jolin lowa, Esa., r. s.

"In largo Fairs, such as that held at Ballinaslon, tho traffic consists chiofly in the interchange or trannfer of stock, from tho breeding and rearinge farmer of the remotu and mountaincus districts, to the owners of the roch low-land tracts, whore tho catllo aro fattened for the consumer, and it being enpecially in the low-land district. that the pastures are at presunt oo much nereasing in Ireland, any measuro haviug for ins object tho opening up of new sources of supply to stock these pastures, at once becomes an object of interent to thu stock farmer. The operation of the corn laws, and the disastrous occurrences of late years, have been leading causes of the increase in the panture lands of Ireland, to which may be ulded the bumerous dintricts throughout the country in course of reclamation, under the Arterial Drainage Act,-the fertile river tracts, thus reclaimed presenting in their improved condition, first rato fattening lands, many of them in the highest state of improvement, and admirably suited for stock farming, and with the other causes mention-
ril, thonuing opmo a lared domand for youmid callo. in the praring distimeta, and "iarg" acturen of kupply in the consulimer. in meat thes, requiremente $1 t$ is obrinish nn arranare ment enild the marn sulitatilo for the ow of Imlami than the extablishment of a gre : fair at lamnofick, whilst it would prement to the grapines of the cactoin ami midland countuen a ready and important aupply from the extensiven rearing distructs of Clate, Kerry, Cork, Limerick and Tipprtary, which tromld harn the quirk and convenient traneat now allorded by rail, from limenck, in variona ilifrctiona, and by the Shannon na rigation thrmugh tha hoare of the country, atording facilatios for iransmisainn to all paits of the kingilom, unequalled in any other locslity, tho promerer wonid bo brought intaimmadiate interenurso with tho large buyat, withnut the interemention of theprraent jnblecr, and thus seceive tho beat prices for his promucts. Nor would tho adrantages of tho propered Fair bo confined to the tranafor of alock from the remute distrirts to the fallening amunds of the eartem and midland contrices for the prorrobial fertility of the lands in the diesticts adjace,it in limerick, woull always afford supplien for tho wants of tho consumer, thus enlarging the aphere of the oporations of tho fair, and conforing extended adrantagea alikn on tho breeder, the fattener and tho concumer.

Iarge farms are increasing in Ireland, and with tho insulficient prices now to bo obtained for proxlucts, and tho increasing prices for alock of all descriptions, the rearieg and feeding of catllo has become the bent sourco of remuneration to tho landowner and farmor: Accordingly woll attended fairs hava breomo necesanry auxiliarics to tho successful puranits of the farmer; and amongst the many adraniages that would arixo both to the producer and consmmer, by suoh a Fair, an important bonefit would be secured in the increased atability of prices-the want of which is so much folt throughout the presont small faira of the country. Good prices may be obtained in $n$ fair to-dny, whilst a total falling off may occur in a neighbouring fair, in a fow lays after,-tho accidents of weather or a slight diminution in clomand, logether with the uncertain attendanco of buyers, maturially affecting tho prices in amall fairs; whilst in the caso of large fairn, a largo attendanco of buyorn is alvay's secured, who mako it a point to refrain from purchasing for weokn before, and generally make their wholo neason's arrangemonts subservient to tho aupplios to bo obinined from such a fair ; these cirnumstances at onco scouring a good domand, and consequently, not only giving considerable stability to pri--es in the largo fair itsolf, but tonding mntorially to regulato and obviato the fluctuations in the prices at the smallur fairs of the district.

In short there could not bo a more opportuno poriod for carrying out a project which the wants of this part of Ireland have long sinee required, and which is, bosiles, in perfect kueping with our own times, when catle shows, great exhibitions, and the collection of large industrial assemblios havo become tho necossary pioneers of our progressive age. A great fair, such as that proposed, would, in itsolf, form a great annual or half-yearly cattle show, where all the best stock of Munstor would be assombled, and whilst in ordinary cases, the cattle that brought the best prices would become the proper test of superiority with the large gra-
ziner and farmer, a aretem of promume might bn entablishod for ilin mudill and smalier clase of farmera, which would ancontage emulatinn, and giva an important atimulue in a largn clase of the ngricultural population, will whom there is a atrong deatre to inctersed their manina and opporiunition of rearing and feoving atock.

TIL; sthan (JFil of Est. A TAIF.

haver. bilt it in anmetimn sincr." "W. W. and what dil atie axy!"" "Nothing rery favnuratlo, I must crinfres." continued the enoward. " or I shomld hare' all but to ank gous manction inatrad of the exerrien of your int.ircat. Ald, if herranary, jobr authonty, on the occaemon." "What!' f primuale Amy to marry a man alin dowa not like! Spe ynu mats. Maxier Jrnkins 1 " Nint quin."" was tha irply. "llut I think you arr, of youl would not an havily reject my ollor. Come, come. Androw, ker your ourn intresct, and favnur mor vinirs, and 1 will not only ad onco nilrancer thin theney for the arreare of rent, but uen iny induanco with my lord to canerl the pmernt leaxe, and grant yous a now ona on more cany torms." " Non!"naid the farmer, "not if you were weiffer me the frceliolil, inalead if a now lrase. I will not sell my daughter to zou, nor in any man. no. tot if lie were tho king." "Then ink othoronsequencer, olintinate forl!" exclnimed the ste watd, throwing ofl the mank; " before 3 on arre throen days nider you shall be left without $n$ wisp of siraw that yom ran call
T way within a fow daya of tho ponind which the alrangar lind fixed for him doparture, anil while ho was silting with Andrew Hodinon and hia family, that then atoward was observol appmaching on horanback; whan their guost, an was his cuatom, retired to his romm, and, by arculent or design, Ifft the done communicating with the apartmont ho had quited partially open. Tho viait of tho stowand was an no vory agreoable orrand, as may bo imagined, fis object boing to demiand payment of tho rent duo at the preceding quartor-day, the amount of which dndrow hiad unod evory oxertion to mine, but in rain. Tho ninward becamo presaing, and affected to larnent tho neoessity imposed on him, by tho ordern of his Iordship, to ${ }^{\text {instrain for the monay, if it wero }}$ not immorliately fortheoming. The farmer, on the other hand. pleaded for a delay of a fow werks, alloging the hanlnesa of tho limes for agricultariats, tho very high rent at which be sloced, and finally the severo loss he had sumtained by the failure of the bankcr. Tho other, in reply, moroly atatod that the instructions of his manter woro imporative, and almitted noither of modification nor delay. "Alas!" aaid the distrened Andrew, "is thore no mothot by which tho sacrifice of my farming stock and furnituo can to provented ?"" "Thoro is one way, Master Hoolson," rejoined tho ntoward, "at which I havo hintod pretty atronuly upon more than ono occasion, but you either coulil not or would not undorstand me. You know I havo long loved your daughter tmy, and if you will offoctually favour my suit, I need scarcoly tell you, that I would strain a point mether than that my father-in-law should be degraded in the ojes of tho world by an oxocution boing sorved upon his promises, and himsolf ejocted from the farm." "What, Master Jonkins, you marry my daughtor Amy !" said tho honost farmer. "Ay, that I will!" rexponded the condesconding
stoward, ovidently mistaking an exolamastoward, ovidently mistaking an exolamation of surpriso for an interrogratory. "Stop,
stop, Master Jenkins," rejoined Androw, "not quito so fast. Have you over sadd "anv thing to Amy about the matter?" "Why, yes," said the other hesitatingly, "I

- Continual from pago 15
your own " and he quitted the house lireathing vangeanco ufon tho devied farmer and hin family.

It cceurred that on the aamo orening the atrangne, planding incr.ased lamanear, kept his njariment, into which Aing carmed his toa. He temarkel that hor nir was that of doop dejection, and that sho hand tecenty been in learn. On ono occasion thear oyes met, and sho boheld him gazing upon hor with an oxpresaina of kininess and nympathy, of which aho had scarcoly believed his rigid countenanco ausceptible. "What has happoncd, my pretty maid, that you look no sorrowful l" Raid ho, in a tono of nlmost patornal tanderness. "Alan, sir l" said tho athictod girl," my poor fathor lian long bean struggling with liand times and a heary rent, and, being unable to miro tho sum duo at tha Inst quartor, thoy aro going to put an execuuon, I think thay call it, on the premisen, and turn him ont of tho houns. I do not care so much for myself, but for my poor fathor and mothor to be cast upon tho wide world, in thour ald nge, without a shilling, and, it may bo, without a fround to help thems -oh, sir! it is hard, it is very hard!" and she burat inco teara.

Tho strangar ileow out his hanilkerohiof, and, paening it ovor has face, complamed of the closoncss of tho ovolung, and walked to tho window for air; thon, returning to f.my; he took hor hand. "Nay, my poor gir!," continued ho, " bo comfortell ; thinge may not como to so bad a pasa as you anticipate; your landlord, from all that I know and have heard of has chametor. is not a man to push mitters to extremities with so old and honost a tenant as your father." "Alas, sir," rejoined Amy, "the landlond, though they say he is far from being a bad-hearted man, lives abroad, and cannot, at this distance, know an honest tenant from $a$ dishoneat one. Bosides, ho leaves ovory thing to his atoward, and ho is n very wicked man, sir."

The stranger thon quitted the rrom, plending a desire to breathe a litle fresh air befor he retired to bed. On his return, in passing through the hall, tis :aw Andrew Ifedson upon his linees, with an open bouk before him, and his fine countenanco lifted lowards heaven in tho act of prayer, while
his family and dompatica wiotr knreling around him. I'nwilling in diaturt them. the atranger dit not adranen ints the romern ponat to breseril; hut, ar he maniempiatod the group. he rould lint lirlp thinking that there muat abroly be anmethitige more in raligion than her philnamphy harl aservitwal In it, ainen it roull inapirn with calmores, and oren thatikfulnoxe and seargatien, a family whe wnin upme the luink of ruin, and whin might on the mermes, like the Sariour in shom thay truatel, hatn not white to lay thrie herela. "And theae," thought he'carn thay whom, under cireumataneres in which I ahowh havo ben gratefol io Prosidenen fas the preservation of thy lifo, I atung with reproaches for what they could nether foresen nor pierrnt."
As ho was paceing on towntif hin lectmom, at the concluajon of the prayera, tho farmer came up to him, and informed him of thecalamitywhich wasimpending, intumaling that if roulil la adrisable for the sleanger to depart mitly in tho morning, se lise horso womld be included in the retrute which wran expreted to to mnde, under tha execution, about nomn. "I thank yom, Mr. Ilodann," was the rrply, "fot your fremily caation. but never mind the horac. Fing ahelieted mo in my misfortume, and I will not deaptt yoll in yours. I canmot help you out in the payinent of gout rent, for my purse, you ner," continuivl he, prowlacing it, "20 somowhat of the lightest; hint I will wait the erent, and, if I cailnot arent tho aiorm. I will try to comfort you undor it. By the way; farmer, $n$ word with you: theno relainerg of the haw will makn clenn work of it when they come. That stowand, unirse renort helo. him not, has tho aye and rapacily of $n$ hark Thoy will not leare you so much as a momien ladle. Now, I sen you have some valunblo articles of plate-that vaen, for in-stance."-_"Sir!" exclaimed Androw inquiringly, having never beforo henri of such n thing. "I mean the cup and cover thore," explained the other. " $A y$," replied Andrew, "it was won by my grandfathor at a ploughing mateh, it will griuvo mo to part wath it." "No ilubt it wouht," naid tho stranger; "thero aro those tankanls, toothat ladio-thorg inassivo old-faghioned spoons; thes aro all very portable." "Woll, air $t^{\prime \prime}$ said tho fatmer, not underatanding tho etrnager's drift. " How dull you are !" rojoined the other, touching him with his cibow. "How enay woulil it he to get thero things out of the way. You coulit confide them to rome friend or relative-your mother oarth, for instance-until tho awoeping hurricane of the law has blown over. You understand mo now, do you not ?" "Sir," replied the farmur, "you mean well enough, I dare say, but you do not know old Anitrow Hodson, or you would not have mado such a proposal to him." "Tush, man! the thing is done evory day." "I am sorry for it, sir, because the worll must be much worse than I took it to bo. The debt is just, thourh my creditor is a hard one, and I will pay him as far as the things will go." "But I maintain that the dobt is not a just one. Is not the rent much higher than is warranted by the value of the land ?" said the etramper. "No matter, I agreed to pay dt." "You aro too scrupulous by half." "Now what do you suppose, sir, my neighbours would think of me, if I were to follow your advice ?'s "Tut, tut, who will know any thing of tho mattor but you and $I$ ?" "God Almie hty, sir," said the farmer. "But considar, my

Rend man," continued the alranger, "there will bo ennigh to pay gour rent wilhout thrae art nion, the value of which womld art jnus up in the workl again; for remember, theme harpira will takn overy thung arony from yoy." "Nn, thay won't; thry can't takn my wifn, not my childme, nor my genil namn; and I wnuld ont part woth non of timm for all tha gold that wanever comerd." "You will not to gurdiad by my conserl, then, and remorn the plate t"and tho alrangent. "Nn, not a tnappoon of it," was the ponitiva reply. "Ther I can onls may." seldell the other, snatohing up his conclin, and hastoming to bed, "that yous ara, without oxneplime, the mont obelinate, impracticable, honget ofd man 1 ever mot with, and 1 must fornwrat your cumpany."

Tha marmig asrival on whinh the atorm, whioh had bean so long gathoring. was io break over the heada of the dovoted farmer and his famils, who wemelitring unusiaally early. In fact, the expoctation of the catanstopha had allowed them to aloep hut hittla, an their lonky, whon they arenpibiey at tho breakfaci-table, plainly indicatel. Thostrangot also had quittod his bed an hour befurn Lis wont, and twetrajod girat rosilessnoma in lise manner, for ho walkod to the window which commaniml tho road overy five minutes, as if watching for the arrizal of tho expected, but unwolcome visiters.

Giles Jonkina was in advanco of his mytmidons a quartar of an hour's march, and, taking tho farmor apart, sald to him, "Minster Ifodeon, I dud not throaton yous without the porrer to oxecuto. Tho officers will bo hore in a fow minuter, which you will do woll to uso in recone derngs my proponal. Givo mo your daughtor, and not only shall overy thing about you romain as it is, but tho posecssion of it shall bo socurod in you for many years." Tho farmer, lasing his patience at tho repetition of the insulting proposal, shook off tho temjiter (who, in his earnestnes., had taken him by tho arm), and enad "Villain, do your mornt, for not for all you aro koing to tako away from mo-no, not for all your master's moneyftwice told, will I soll my lamb to the wolf." "Dotard," rejoined tho atoward, "you havo pronounced your doom, and I go to fulfil It;" and quitfing tho farmor, ho conferred with his followers, who by this timo, had joinod him, and thoy proceoded in their duty by taking an inventory of tho farming atock, before they began on tho housuhold furniture.

Hobert Hawkhurat arrived shortly afterwards and aseisted tho stranger in his ondeavours to consolo the aflictod family. One of the domestics at length informod them that the officors were coming into tho houso to finish their task, whon tho stranger betiayod somo littlo agitation, and retired to that part of the room in which he wras loast likely to attract observation. Ho had scarcoly time to effect this, bofore the stoward and his retainers entored, and proceeded in their ungracious office, without the slightest respect to the feelings of the sufferers. Giles Jenkins, in particular, appeared to oxult in the excrciso of his authority, and to take a pleasuro in witnessing tho distross which his cruelty had occasioned. The silver vase, before alluded to, was standing on a kind of sideboard in the apartment. Tho steward, who was about to remove it, had no sooner latd his fingers on it, than the vosce of the stranger was heard exclaiming, "Mr. Jonkins, I'll thank you to let that cup alone, for I like it very well where it is."

Tha sloward withdiew his hand from the rearal, ra if it had bren of hratedimn. If inforel ae pale an death, and ho looked atomit in all dienctiona, an if he thousht the person from whom the toicn procemided was just as likely to dmp from the rlmide, of atart ont inf tho rarth, an in makn hin apperitance from any nther quarter. Thin stranger at lant armes from his smal, amd with a dipnity which namo of the family had tofore ohmerved him in ansume, ho adranced ints tho muldis of the mom, and conir. ntod the stematd, who anmowhat menteran, from his aurprian, and plapeing at the mhei's bendaged leg, Ranch, whith an affeciatun of great ennerm "My lord, I grimen to ane your loriship an lam
" Yin miaiake, jou abominabla ald hypro onto anil meraurelose liff." kand the eril: "a fortnighl's resulence in this house han cured mnof mylamenern, and of my blindnora ton, and, havine menvornd tho vea of my own ojes, I shall have nn funhor ocration for yours." "Miy loril!" stammerml the riowarl. "Your loril no longer," raid tho earl, mtarrupting him; "hnw dared you. air, for tho gratafication of jour dialolical pakaione, abumo tho powern with which I onimisted you, and nppross this worthy man, in direot contravontion of my injunction, that you alinuli, on no account, diatrain upon a tmant, unlesa ho wiro a fraudalent ono. Now, bo ploaend to relinro mo of your promonor, taking with you theso two worlig ase sociates ; and, do you hear me, sit, lot your accounta bo made up with all despaich, for I ghall shorily reckon with you. Than aldrassing himself to tho farmer, he continued: "Mr. Ilaison, 1 am very sorry for tho troublo which this unfortunato affair lian or ezusonod yous. It was neosesary, howevor, that I should have such ovidenco of that man's baseness. For yoursolf, I can only say, that your arroar is romittod, your proment loase shall be cancolled, and substituted by another, at such a runt, that it ahall not bo my fault if you do not thrivo again. I owo you this much for tho lesson you have taught mo of resignation under unmerited calamity, as woll as for the instanco you havo given me of uncompromising intogritg. undar sjrcumatancen of tomptation that rory fow would havo withatond. I pray you to forgivo mo for the oxporimont I mado on your honour in the mattor of tho plate. It in rofrashing to mo, in my old ago, $t 0$ meot with such oxamples in a world which, I fear, I have hitherto tegarded on tho darker side. Your kindnoss, Mrs. Hadson, and yours, Amy, to a putalant old man, I shall not forget; nor jubr honourablo adherenco to your mistress mad her faraily in thoir advaraity, Mr. Robot. Of you, Frank, I havo a favour to beg; you must givo mo that tertior of youra, to which I am primarily indebted for my introduction to this house, and for the advantages which havo rosulted to me from it."

Tho oarl, aftor taking a kind leave of the circlo tho had thus made happy, mountrod his horso and doparted to his mansion, from which ho had boen so long absent, and to which he wan roturning when he met with the accident alrendy related. Thu occur-rer-es which followed so inauspicious an ovent, produced a most boneficial effect upon his mind; ho becamm a bettor, and. consoquontly, a happior man. His lordship took up his permanent residence on the esiato, to the great joy of the tenantry, and to the discomfituro of Mr. Jonkins, who it is almost needless to add, was dismissed in disgraoc.

Iknowe it will be emmeidered a enmeritat trite infmination if if finish my sincy with $n$ marriagn; and yet, ahnuld any of my readera bo curinus upan tho sulynet, I raniant deny that mirh an ovent tomk place, and thet Amy forgm all her past mormus in her Robert's affections.

## MICROMFOAS-AN ALJTFOURY

Tho lant tima $M$ memmegar paid una vinti, to wazatrick l'y a angenlar apoalscio. Ha anw an o nommosgiant, lainf at full lengeth upon tho ground, in thin midnt of a mighty ntehard inden with fruit-chaina wera on hia limbia, and veighte upon his luream. The piant kicked mont luatily ogainat threa rostrainis, and bia strugging mo convileed the ground that nvery now and then they shook plenty of fruit frm tho neightwouring treas; tha intives stown round, and meized the fruit as it foll. Naverthelok, there was fat from boing onough for the whole crowd, and the more hungry amonk them grovitod rary audibly at the more fortunato and bella: fod. The rompassinnato Micromegas approached tho throng: "And who art thou, moat unhappy giant §" he aeked.
"Alas "" and tho ginnt, "my namo is Industry, and I am the parant of thase ungratelul children, who liare timd me down, In order that my struggles 10 gat free may, ahake some faw of the fruita to the gropnd."
"Bless me," said Micromegen, "what $n$ mingular dovioe $f$ but do you not see, my good frionds," luming to tho crowd, "that yous father, if be warolree from those thankles, could toanh with his mightr arms tho toughs of the treos, and give you as much fruit as you vanted f Tako this ohain, for inatance, from ono arm and try."
"That chain!" shouted somo hundrodn of tho crowd; " impious wrolch-it is Tithas !"
"Well thon, these cords."
"Idiotl-those corde are Bountios; wo should be undono if they wero destroyed."

At this instant up came a wholo gang of elderly ladios, with a hugo bowl of oplum, which they began tirusting down the throst of the misorablo giant.
"And what tho doril is that for 9 " said Micromigas.
"Wo don't lika to moo our fathor mako such violent struggics." repliod the pious matmons; "wo aro giving him opium to induco him to lio atill."
"But that is a drug to induco him to shako down no fruit, and then you would be starved, -spare him the opium at least."
" Barbaroun monstor!" oriod tho ladien, with hon ur,"" wouli" gou do cixay wish tho Poor-laws?"
"S! y chill ron," asaid tho poor giant, wollnigh ai his lant grasp, "I havo dono my best to maintain you all, thoro is food in tho orchard for fifty times your number, but you undo yoursolvos by tho injustico of crippling your lather. You mean wall by me-you compassionnato my atruggles-but, instoad of giving moliberty, these good ladics would sot mo to sleop. Truat to naturo and common acnso, and wo shall all live happily tagother, and if these orchards orcr lail you I will plant now ones."
"Naturo and common sonso, dear fathor $q$ " eried the ohidren; " oh! boware of theso new-fangled names 1 -Lot us truat to experionce, $n$ t to theory and speculation."
Hero a vast mash was made upon thoso eating the fruit they had got by thoso who, in tho late scramblos, had got no fruit to eat;
nal Miremmigae made awat an fact an lin



 pralnicy of the 16.01 .

## NOTV:णनF.

Full Nomon.......wh dav. .di h. 27 m . r. it.
 Brav limon... sindidal . h. I:m. I. M. Fimi Quarti...inh dith. in h. 32 m . A. Ni.

"A. 7." shall be wition in.
J. Aisciatin'a leflet is under rane 'reatiom.




 for llicm.

 more prompral inchisha.


MONTREAT. NOVEAMFR. 1861.
There in no circumatance. perhaps, whirh ronstitutes a more atriking frature of the preaent extmordinary age as distinguishing it from all ita predereseorn than that which is in be found in the diference of the motives whirh induce men to congregate in large, and all but countles assemblages.

Of oll, it was ton frequenty to engake in fieres and bloody confliet, or in celebrate anme victory, where all that condures to the well being of man had been ruthlesely desolated, and when tens of thousands of human beingx had been mutilated or deatroyed. Now is it in engage in frienilly compettion, in fusterng and promoting those arts and sciences which admiaister to the neccasitien, the comforts, and the conveniences of mankind, or to celebrate mome triumph in the onward progress of the human mece. It wan refredhing alike to the patriot and the philanthropist, to mark the thousands of stalwart men, aye, and stately women ton, asscrubled at the late Agricultural Fair at l3rockville; all joyously and amirably competing with carh other, or encourageing each other, in re. " eing the natural and artifical advantnger, which a bountenus Providence has: plared within their reach. The ecene too,
musi hase limen a salutary romertive in thowe wher are in the halut of -jeahing ow di-paraguest of the coblutry cinerall? an fin lowiot if- character in the r-bmation of thour who lase not an opportunity oi juileing for themurlura.

The fair cmond, ahous it arem, wav nilmiraldy ndapiod fori ther purpoore and ther arrangements refloreral the haghent
 ing in a gentlo aluphe a is klight raisnence near the rembere, alloribida fine panaramic vicw of the whole; on ite remat was reare col the atron of a towrong roung pirie, from whene, waved in the brecoer the Rey: Prom Bannore. "the flag that hrated"but the quotation ia tritic, and momewhat thread bare. Aronmil it wern crectal direc enormolue lionte. derignated rexpereHerly. The Tloral, the Agricultaral, and the Merlianies' IVall. Attached to a ligh braril finere encloxing the grouncl, were arrangeal the poone fir catile, shicep, andil pige; on one whle of the aloper, wan the ring for pacing looraex, and on thie other, the ngriculural and merhanies umplementa were apre ad in nlmoat rnillean varirity and form. Some largo exhibititors in thin department had hoothe apecially devoled uf thrir own use.

The show of stock generally, as to qualiIf whe very good, but in quantity, os was expreted. there was a kall falling ofi compared with former ycarn. There wan nothing: new in the way of horses that was kool. sll tming wall known to llowe versed in the stork of the lipper l'rownere. In rattle a rename has mbidently tahen plare . lhevons and Ayrahires lucing on the sedbance, and rought afire fuite ne much as Durhama, alhough, it muat be confessed, the I Mrhame carried the palm. In Lericemter Shecp, the quality was exereolingly coml, several pent breag filled with impor. ted specemens of a superfior kind; the show of fine woolled sheep was menger. Of swine, I conceive, no bettor specimens have been exhihited in Canala.

The Eloral Itall was filled to repletion with specimen: of Ooral, horticultural, and artistic akıll ; to particulariza in a bewiddering maze of excellence, would be invidious, had it not been rendered almost imposvible hy the moving mass of delighted examiners; high over all however, was n Aoral timple, which, from its graceful proportions, and harmony of arranmment, clicited universal admiration. The Agricultural IIall was less crowded; the .ann-
pira of promlure, though rather ideforient in number, were arnerally etporane in quality. The artiche wharh appoared to altrars mout atiention, were the fuear liert and ite produria. Sibirion oil mori, a new article for fordires callle. and flax.

Of the whan of frum litilo can lor matu, with the recopition, perhapa, of applen, amplian of which. rhirfig from the loserer merlion of the I'rovince, were mo geml as iolead our dmencran frienila in a-k with axtonimhment.
"Why we woth our monery in them for applea, when, for llavoure, if not for mize. we excelled thrmi" Wir cannot luit ank the kame gurntion.
In the Merlanies* Hall, the mbilution or implemente and marhines wae eo vations anil rxicraivo, ase in matinfy the mand casual olbmerier, lhat of our farme be not wril and profitalist cultuated, it is mot from any difficulty in procurng thome articies. Tiry are all within the raole of every farmer, if not manufactured at lise icry door.

E'be nllendanes at the Fatr was very large, and at one time we khould any there were 12,000 peraonm preaent.

At the County of Montreal Agricultural Society's Annual Exhithtion the otherday. we could not but perceive a marked and decided superinrity over that of former yearn. This was more expecitilly truc, as regarded the brood mares and their one, two or three year old colk, and the difference in the sheep, as comparent with thowof a few years bark, was still more strikingly manifeyt. But this is racily arcountod for, from the fact that more than one or two of the best farmers in the country have taken great pains, by importang, and ohlerwise improving the breed.

We are happy to have it in our power to correct nal ertonemen statement which appeared to have fot abroad, eoncerning thas catle show, and in toing this we have only to sing that Mr. Dords had as much right as ang body che to enter the lists of comperition with his brond mares, and his bulls and cows, all of which are of a superior quality, but that he refrained from doing so, leat the high poxition in which he etond, as President of the Society, khould, in the event of his obtaining prizes, have led the disappointed at least, to suppose that some unduo influence had been exercised.
The ploughing match under the auspices of the County of Montreal Agricultural Society, came off at Petite Cote, on Wednesday the 15 h inst. There were 23

## THF, CANADIAN FARMER.

plowe in the firlil. Fine the firmt rlaza. apen in all, them erer. fire emmpetitory, there of whirh wrer all hut ryund. The julace. howrwer, nfter a loun and carofill examination, plarel Thoman Iloign of St. Eaurent. at the limal of the liat, and in Amahir Buargingnon of ('ntraux it. Pirren, was nuwaniml the firet prize in the erconil clame. whirh waa ronfincil in Forneh Cannalinan. Alrxanifre Mramarrhain of CPite dra Negere, obtained the meronil. In the thert clame confincal in roung men uniler 21 yrark of age. Win am delighied to have it in nur ponterer to ota that lierter Iermenx of Sit. Jave, the only French Canalian comprlitur, carried ont the firet prize. 'The work of theur theren Firneh ('analianne. wan mi well and brausifully done, as in Irad we in hopo that thrir namex will apprar next yers in the lise of competatore in the firat clace, and suceren to the meny we if they ilomal

The commitier, julges, and gentemen prearnt, werm most hosputably irratrd to a submantial lancheon by the Prexident, J. Dosls, Pemp, and the other membera of tho Sioriety, together with tho hungry ploughmen, were provided with n eapital dinner by Mr. Kidd, on whose premines the match took place.

The Plowing Match ior the District of Montral, uniler the suspices of the $\Lambda_{\text {gri- }}$ cultural Society of Iower Cnnada, came ofl at Varennes, on W"ednesiay the 2and of Oefober. Armanements had lieen made for the conversance of visitera from MonIral by weamboat, and belwecn ecven and cight ociock. a large asecmbly, broll of practical and amateur agriculturnlists, towk place at the wharf, from whener, embarking on board the Stro. Mtarer, and calling at Longueuil, where n cunsidembio addition was made to their numbers ; they reached Varennes atonut half paint ten o'cleck.
'I'he day was all that cven farmersthose almont groverloial grumblers about the weather, couhd deate. Sulficient min having previusaly fallen, to make the ground in firat mite order, whilat the nky was clear and bright, with a dry and bracing wind, just enough for ploasurable exercise in tho open arr. Among the company asmenihed, wo noticed Mr. Quin, mayor of the Municipulity of Montreal, Major Campbell. Meners. Drummond, Evans. Lecurric, LeTourncaux of Belail, Yulo of Chamblv, Turgeon, Allard, Lanouctte, Momie, Mot treuil, and reveral prieyts from Vercheris,

Varrnars, Jomgurmb, nod many nther plarer.

The following liat romprimes the namen of the xiseremeful enmpritione dimingulationg Lectivenen thome of Briteph and Canadian birth, with the prizen atvarderl them:-

## nettikh.


 J. N: Vixan, J'rater Coris. 3ril.
.. $.0 \quad 3 \quad 1100$ II. Tenchinati, ET. Therism. Ith.
". ." Thomane irrolt. St. Nichol :ath. Mir. Inililinorth. Preite Corth. Gith Alas. Miller, 5 . Thasime, ilh.
\&. Firtetere, I'plite (inth, Rth.

1. IImmernod Potite Cish, oth.

Hugh Allen, l'etum C'infé, tomb.

## raxabiax.


I- Fruthomme. CihíSt. I.nr. 2rol.". " 2 in 0 Jnemph I.aforsir. "polatum, 2ri. " " 300 A. Dommorthan.Cing ile Noye. Ith." -
A. Dinutitughon, Coite M. Jiritr.
(ith. " " 2 5 0
II. Valuraplef. Point Claire fith. "." 2 a 0

Jomph ()e:nm. St. Komp. 8th. " 1110 n
Mri Crothirs. Jongun Iomitr. Mit ". "1 1 a 0
Hfectaf Inoutier, Qurboe, Joth. " "1 1 n
Aller the plowing, sume cighty gentlemen, with appetiten well sharpened by the keen air, and excreise, ndjourned in the hotel, snd did amplo justion to a mulistantial varicd and clegant dinner, erroed up in Mr Gimal's superior atylo; followed by an excellent deacrt; loyal and patriotic. toasta, npecchen, dee., \&ec., all going " merry as 』 MInrriage Mell."

The judgex for the Britiah clase, were Mranra. Brodic, Lanouctic and Allard, and for the Canadian clase, Messra. Kempton, Drumond and Piaher.

During the time the judgex were anomiing the prizes, Mr. Carticr, M. P. P. for Vercherra, delivered $n$ very excellent addrean to a large asxemblago at the ( hureh.

The following extract from Mr. Trumellion report, wo copy from a Quchice paper giving the nwand of the prizers at the Poughing Miatch for the District of Quebec.
The varinus Inte were mercured by a surveyur: ona hour 50 minutea were alliwed for rach loit. to the Canodianse; atud thrie luoura nad tar munites firs exch lot to be ploughet by the Eunemana The fiant enok finiohed by a Canadian, was acrumplisisil in 1 hour tisn., tho lact in I hour $\mathbf{3 3 m}$. Tha Eumpran phoughmen finidhed their tacks: $n$ 2 hours 12in. to 3 houra 18in. The follonin ano the names of the auccessful competiturs:-

## canadiay flotomaex.

Jneques Dion, Ancimenco Larettio... Int prizo $\$ 10$
Thoman llamel, Sl Foy...... ... .. 2nd "4 it In. Plannmion. Ancioung Larelle... 3ral "
 Ealuinard IBrdard, Di" ...... Sth " Charlax. Duriun, Bo....... Gth "o Louls Lartir, Canadière.............. Tith " Antoina Jartie, Du, ............. 8th " Jusph Drlinge, Charlesburig....... Dif a IIsectur Juatier. St Foy ............. 10 10th
.
 IRAIXING.


Omuch han bicen maid and writen un the necrmaty oi draining, and on the palpation nilvantagen re. eniting from it, niller thean na proliminary mallern alread. ketifed nall agreal upon. We ahall therefi ep prorered al onec to aprak of the manore in whirh this necessary and profitalic operation ought to be performed.

The danger in be guariled againet, and the gerat difficulty in be overome. is the natural iendency, the ovater conrsc at the bollom of tho drain has in fill up. This arines from iwo cauncs:-the crumbling in of the wides from the action of the fromt and the washing ir of the mil liy the aurface water niler heavy mink, or on the melting of tho know.

The former of theso catikes can casily be prevented by digging tho drain deep enmigh to have the water course below the frost; the effecte of the latier, however, are more difficult io guard sgainat.

The cheapest mode of acenmplishing the two great objecte in view, namely, the lagang the drain decp cnough and filling it in accurdy conogh, in of couren tho bext, and we besitate not in recommend the following as possexsing this important quality.

Iet the ditch be dur cighteen iuches wile nod three fect deep; then with $a$ proper whoulder dmin apade, about a foot long aink the midelle of 1 , say, ten or twelve inches deeper, lenving $a$ ledge on each stde of four or five inches wule, dien tathe a ccolar ling, and saw it into lengtiss of seventeen inches; wplit them into mialss threo inches thick, and lay them lengthways, as closely as possible acroxe the bottom of the ditch, so as to reat uphn the ledges or shouldera, and to cover up the water course in the shape of tho letter $V$ which has been cut out by the shoulder drain apade already mentioned. Strew upon these salab n lituc brush or buck-
wheat straw, or potato tops or corn stalks, and then fill in gradually all the length of the drain, and while doing so, if you lave a pony on the farm. let a boy ride hion along it to tramp it down solid. A drann made thus will last for ever.

- One material point we have not yet adverted to and that is the distance between the drains. It ought not to be more than forty feet. When draining was first introduced into Scotland the drains were made from one and a half to two feet deep and about eighteen feet apart. After ten thousand miles had been laid it was found that they were not sufficient. They were then made from two and a half to three feet deer and forty feet apart. This system cost less and was more efficient, greater depth with greater distance was again unfavorable. 'This rule, however, only applies to level land; a wet hill-side for instance may sometimes require the drains to be much nearer or a single one at the head may drain the whole slope.


## AGRICULTURAL REPORT.

The carly part of the month that has elapsed since our last issuc has been distinguished by a number of agricultural shows and other industrial exhibitions; of these the great Provincial Exhibition at Brockville is necessarily the most interesting and important.

During the last week in September and the first in October, the farmers were occupied chic\&y in getting in their Indian corn, taking up potatoes. gathering their apples, \&c., and in many instances in this section of the Province at least in harvesting their late oats.

Our anticipations of the Indian corn crop, we are sorry to find have not been realized; the yield is not so good as our readers, from what we said in our last, may have been led to believe.

The blight appears to have had no other effect upon the potatoe crop than to stop the growth of the tuber. The crop is conseqיentiv rather light but sound and good, unusually good, and perfectly ripe.

The turnip crop seems to have recovered from the effects of the blight with which it was attacked and is now in a very flourishing condition. This circumstance prevents us from adverting again, as we promised in our last, to the experiment of sprinkling it with salt.

The carrots, such crops of them at least as have happened to come under our own
obsertation, are of a most luxuriant growtio. Thus, in one instance in particular, that we saw where the management was good but the soil uncongenial, was most curiously and strikingly exemplified by their growing out of the ground some five or six inches high, because they could not grow down into it, bat grow was the word with them, and grow they did, it was a splendid crop.

A propos of this crop, farmers, generally speaking, are by no means aware of its value. In our opinion it is equal to that of a crop of potatoes under the most favourable circumstances, how much more valuable therefore is it now under the adverse ones to which that crop has of late been liable; we may be wrong in this opinion, and if so, we are quite as willing as a learned contemporary of ours "to be put to rights," rather a rare and amiable quality, by the way, in an Editor. The difference in the value of the sced of these two crops is a matter not to be omitted in this comparative estimate. Our information however concerning this crop, we confess, is rather limited, any communication on the subject from practical farmers would therefore be very acceptable and thankfully acknowledged.

Mangel. Wurtzel.-Of this root crop we have seen little or nothing beyond a few patches: these however have materially tended to strengthen and confirm the high opinion we have long entertained of its value. All we could say however on the subject would be merely a repetition of our remarks upon the carrot crop. Although our attention at this season of the year is chiefly directed to the consideration of the various root crops to which we have alluded, yet it is by no means exclusively so, for there is another crop of far higher -nay, of paramount importance in Upper Canada especially, and which we are happy to say has been brought under our observation in a variety of instances during an excursion into the lower section of the Province from which we have just returned. We allude to fall wheat ; the few specimens we saw, and we were exceedingly sorry they were not more numerous, were of so luxuriant a growth as to lead us to anticipate a heavy crop.*

* Fall wheat in the Lower Section of the l'rovince ought to be sown two or three weeks earlier than in the Upper Section. Uur opinsou is, that it could be sown with advantage in both as early as the middle of August; in such case it would of course be necessury $w$ cat it down with sheep.

The farmers are now, at the time of our going to press, all busily engaged in their fall plowing; and many and various are the benefits to be anticipated from it, their name is legion, but we warn them from our own experience against sowing in the apring upon a Fall furrow. Green sward or a vroms clover root neither of which can well be plowed a second time had better be left for a single plowing in the spring. If any farmer hesitates to believe our assertion let him try the experiment on a small scale. In either case let him leave a ridge or two, for instance in a field, to be plowed in the spring, and he will soon perceive a manifest superiority of the crop upon such ridges. The sonner grain of any kind is sown after plowing and the better the crop will be. We recollect an instance many years ago strkingly corroborative of this assertion. One half of a field was plowed on a saturday and the other half on the monday following, when the whole was sown with barley and sceded down with clover, in the grain crop there was a sensible but trining difference but in the grass the following year there was a difference of at least half a ton to the acre. The following is cut from, we know not what paper, and we may as well mention here once for all, that we do not deem it necessary to be more particular with regard to any little extracts of a similar description which we may choose to make, unless in cases when the extraorlinary nature of such extracts, or the doublful character of the authority from which they are taken, should lead us to question their allthenticity.

Gran Crop of 185t.-From every section of the wheat growing part of the continent, the news is very flattering. In Ohio, Illinois, Indiana, Iowa, Michgan, Northern Pennsylvania and Wisconsin, the increase may be safely set down at one-quarter over any previous year, and about one-third over the crop of last year. And this increase is not confined to wheat alone, for the carth has teemed with abundance of everything that is used for food by man or beast, except corn; the heavy drought has much affected that articlehow much we are yet unable to say, but if it is as serious as represented, it may materially affect the price of pork; in fact, from the present appearance pork is about the only article the farmer will have to sell that will maintain the price of last year. From the accounts given in the Liverpool
papers, there never has been a better erop raised on the European Continent than the one just harvested.

## STATISTICS.

Referring to phage 9 of our Oclober Sumber, - for statistical tables which contain matter having a most important bearing upon the prosperity of the country; we lay before our readers the result of the commercial aperations of the Province, for the year 1850 .
Tutal value of imports into
Canads...................... $£ 4,245,517$ 36
do do of Exports...... $£ 3,235,948159$

## Balanee of Trade aganst

the Province............... $\mathcal{C 1}, 000,56879$
Thus there is a chargo against-a tax upon -the productive industry and home trade of the people, of over one million of pounds, to balance the amount of the foreign trade. To realize the magnitude and importance of one millinn of pounds, or four millions of dollars -it should be remembered, that, that sum more than equals the whole provincial revenue, added to an amount that would pay the interest of capital, sufficient to build a rail road through the entire length of the provinces, say, from Halifax to Windsor.
Assuming that thore is no farmer from Gaspe to Lake Huron, who is not fully alive to the injurious effects of excessive taxation, and of the lavish expenditure of the public revenue; wo would draw attention to the circumstance that this adverse balance of trade, must act much more prejudicially both upon general and individual interests than either taxation or extravgagance; because, in the one case, a very large proportion, perhaps not less than two thirds of the public revenue, is always expended within the province; whimst in the wher case every shilling is sent out of the country never to return.
Believing that there is nothing in the natural, political, or social condition of Canada, to render such astate of things unavoidable, we purpose to devote our time, and some spaco in surceeding numbers, to enquire into the cause of this balance of trade. Presuining, that there can be no dillerence of opinion, as to its being in a high degree injurious, we shall be greatly in error, if it is not found, that its removal depends mainly upon the intelligence, energy, and industry of the farmers.
The inquiry we are about to enter upon, divides itself into two branches, 1st, the systematic supply of the home market, and 2nd, the judicious production of articles for exportation.
The supply of the home market-as far as the geographical position of the country, and the natural capabilities of the soil and cli-
mato will allow it to be done-is the most important elemont in public prosperty. How far is this made the policje and practico of the people of Canada? That the basis of Canadian wealth is now, and must be for an indefinite length of time for the future-the pmaluction of the soil, is a proposition to which it is anticipated no exception will be taken. We have already published a listof some twenty aticles-representinga value of nearly one million ofdollars-all of them connected with the cultivation of the soil, and which are inported, though there is no question but that every one of them could bo produced, not only for the entire supply of the ho:ne matket, but, many of them for exportation to any desirable extent. We havo in our possession goneral statistics, and experimental results, bearing upon the cultivation and production of most of these articles, which we shall lay before our readers in succeeding numbers of the Canadian Farmer. In this number we propose to confine our attention to sugar ; because, it forms a very large item, of our imports, involves no risk, and is not included in our provious list.

There was imported into Canada last year, Of unrefined sugar about 6,414 tons, the value of which may be estimated as £150,000.

Franco is almost entirely supplied with sugar made from Beet Root, the produce of about 60 manufactories. In Germany, and many parts of Central Europe, it is manufactured and used to a great extent. The making of Beet Root Sugar is therefore no speculative theory. Can its production be made profitable in Canada? There is already one establishment for the manufacture of sugar from Beet Root at Paris in Western Canada, conducted by Dr. Naphegyi an Hungarian Refugee. We had the pleasure of ineeting with that Gentleman, scon after his arrival in this Country, and from our knowledge of him, should readily place the mept implicit reliance upon any statement he would put forth. At the Provincial Agricultural Fair at Brockville, Dr. Naphegyi exhibited samples of sugar, of Molasses, of various cordials and of Alcohol made at Paris, from Cauadian grown Beet Root. The sugar was fully equal in grain, in colour, and flavour to good Muscovado. The possibility of producing it in Canadn, is therefore a setthed question. But, would it be profitable? The Doctor delivered two addresses before the Officers and Members of the Association in the Court House at Brockville, explanatory of the statistics, and partly of the process of the Manufacture. The seed is imported from France. A fair average crop of sugar Beet, is about 20 tons an acre; a really good crop would be about 25 tons; but, to be on the safe side in his
calculation, the Doctor took 15 tons as the tasis of has statement. The price given at tho Manufactory is throo dollars a ton, returning to the farmers 45 dollars an acro equal to a crop of wheat of 55 bushels an acre at four shillings a bushol-and a much more certain crop. The Root yields about 10 per cent of sugar, one acre of land therefore would givo one and a half tons of sugar. As the consumption of unrefined sugar last year was equa! to 6413 tons, to supply that demand would require 64130 tons of Beet Root, to be grown on 4275 acres of land, returning direct to the farmer, $£ 48,093$. The Doctor received several onlors ior his sugar from Gentlemen present at his addresses, wo believe there was no stipulation as to price, further than an understanding that it would be cheapor than Muscovado. There can be little doubt that under an extensive demand and systematic manufacture it could be sold much cheaper, perhaps fora little more than half. For, the process involves no great expense, affor the orection of the plant and machinery, the rest being principally labour somewhat analogous to distilling or brewing. Some of the shat up distilleries, would perhaps be admirably adapted for sugar manufactories. It will bo observed also, that the cost of the Root at the manufactory, leaves a margin of more than $£ 100,000$ on the invoice prico of the sugar imported to meet the expenses of the manufactory and allow for a profit. Now, the wholesale price of Muscovado of low quality in this market is $£ 40$ per ton, or, $£ 256,520$ for thr quantity imported, this more than doubles the margin for expenses and profit.

The advantages to be attained by the introduction of the manufacture of Beet Root sugar into these Provinces, are, 1st, the striking off aconsiderable portion from the balance of trale against them-2nd, the distribution of a large sum yearly for the material-and 3rd, the saving of perhaps a larger sum on the cost of sugar to the consumers. This is of courso contingent upon the possibility of the manufacture being profitable; and in favour of that conclusion, there is the experience of foreign countries, and an experiment actually made here to prove that it is not only profitable but easy for Canada to supply hersolf with sugar, for which article she expends yearly-very near a $£ 150,000$ - which sum going to enrich other countries, is so much of a tax upon the productive industry of her own People.

Large Market Ganden.-The Fitches. of Fulham, England, keep 12 horses in constant employment in marketing vegetables, drawing manure \&c., for their market garden. They employ 150 laborers in summer, and 70 in winter. So perfect is their culture, that a visiter asserted that he had not seen a weed on their whole 150 acres.

NOTICES OF NEW WORITS
We have received from Mr. Robert W. S. Mackay, the Prospectus of a Statistical, Commereial, Legal, Medical and Travelling Chart of Canada, which he has now in course of preparation. The work, according to the Prospectus, will exhibit at one view the Population, Revenue, Experditure, Imports and Exports of the Province. The Nature and Extent of the Public Works of the Province, their Cost and Revenuo. The Executive Government of Canada, and the Officers of the Public Departments. The Judges of the Court or Queen's Bench, Chancery, Common Plens, Superior, Circuit, and County Courts throughont the entire Province, with their Places of Residence. The Sherifls, Crown Land Agents, and County Registrars of Canada, with their Places of Residence. The Advocates, Attornies, and Barristers at Law, now practising throughout the Province, with their Places of Residence. The Medical Practioners of the Province, with their Places of Residence. The Banking Institutions of Canada, the Capital of each, and Names of the Presidents, Cashiers, and Agents, together with a complete Travelling Chart of the Provinco, upon an entirely original plan, exhibiting the Distance and Rates of Fare, by Steamer, Ihail Road or Stage, from Quebec, Mohtreal, Bytown, Kingston, Hamilton, London, Amherstburg, and Goderich, to the principal Towns and Villages of Canada; the Calculation embracing over 500 points to which the Distances and Rates of Fare are given. It will be printed on fine paper, on a sheet of 2 feet 6 inches by 1 foot 10 inches, and will be delivered to Subscribers mounted on Cloth and Rollers, and Varnished, or put up in Pockat-Book Form suitable for Travellers, at 5s. a copy, or at 3 s a copy for plain sheets.

A reference shect of this nature cannot fail to be exceedingly useful in every counting house and store, and from the low price at which it is to be published, will doubtless command a ready sale. It is to be issued by Mr. John Lovell, St. Nicholas st., to whom orders are to be addressed.
Notes on North Asmemca. Aurricultural, Economical and social. lby 'Jases F. W. Johrston. Two vols. Boston: Little \& Brown.
Most of our readers are a ware that Professor Johssron spent some time in the British Provinces and the United States, in the lat1850 ter of the year 1849 und the early part of 1850. He delivered a valuable address at the Fair of the New-York State Agc. Society at Syracuse, and an interesting and instruc-
tive course of lectures for the same association, at Albany. These havo been published, and havo been extensivoly read by the preple of the United Sintes. Ho also delivored courses of lectures at Boston and Washington. His opportunities for sceing the practical ngriculture of the comitry, were less favourabla than they would have been if his visit had been at another season of the year. With tho exception of tho fow lays spent in the state of New-York about tho time of the Fair, his time, from his first landing at Halifax, till about tho first of January, was spent chiefly in New-Brunswick, having boen engaged in making an agricultural survoy of that Province. From Syracuse he went to Butfinlo, by railroni, without dolay, and from thonce, by Niagara Falls he passed down Lake Ontario and the St. Lawrence toL ower Canada and Now-Brunswick. He went to the States asain in Junuary; his lectures in the city of New-York were given in that month, and ho left for England on the third day of April. His journey wis extented is far to the south as Alexandria, Va.,-his route and modo of conveynnce, in all cases, being that usually adopted by business travellers. This will show that he had comparatively littlo opportunity to study Amorican agriculture, and will aocount for various mistakes into which he has fallen. His work is designod as a record of what passed under his observation during this visit. We cannoty at this titne go into an oxtended analysis of the work. Though designed, chiefly, for the British market, it will bo found in many respocts interesting to the canadian public, to whom we recommend its perusal. At the same timo we cannot refrain from extracting the following sentence; which will serve as a key to the underslanding of some passages which will be likely to attract attention: 'It is unpleasant to a stranger to bo always called upon to admire and praise what he sees in a foreign country ; and it is a part of the perversity of human nature to withhold, upon urgent request, what, if unasked, would have been freely and spontaneously given."

## SUMMER FALLOW.

or a mist for finumbs' davouters to aive to
 gratulate you with all my heart. And so you've got married at last ch ?" exclaimed a jolly young farmer to his friend on meeting him at the Provincial Exhibition at Brockville the pther day.
to my mouth when I saw who was riding it. I was not sure that he was coming to see me till he turned in at the open bars, leading into the largest field on
my farm, about twenty into the largest field on
my farm, about twenty acres, where I was at work plowing, with my hired boy picking off stones.

After kindly shaking hands with me he asked me to walk over the farm with him, he would like to see it, he said,
"But pray tell me," he continued, "for I am vory curious to hear, how yoll managed to obtain the stubborn old father's consent."
"Oh, that's casily told; it was the summer fallow that did it," was the curt reply:
"The summer fallow! What in the world had the summer fallow to do with it $?$ " asked his interlocutor in no little bewilderment.
"Every thing," was the calm reply, "but I see," he continued, "I must tell you how it was and all about it."
"Well ! then," he said " to begin at the beginning, it was agreed on all hands that Bella and I, we had been brought up together from childhood, should be married as soon as I had got my farm clear of debt; but this turned out torbe a much heavier job than I anticipated, the farm was large and the land good but quite exhausted and so my crops friled and I was in utter despair. The period when the last payment would become due was rapidly approaching and I hhd no means of meeting it. Poor Bella was as much distressed at the dark prospect before us as I was. It produced so complete a change in her whole conduct and deportment as to attract the notice of her father who with a very little questioning elicited from her a true statement of the cause. The old man cheered her up with some kind encouraging word and said he would ride over and see what I was doing."
"Well over he came, I knew the old poney half a mile off and my heart leapt

So, after I had given some directions to the boy, off we started: but before we got half way across the field he stopped and asked me what I was going to do with it.

[^2]"With wheat!" he exclaimed with $n$ sneer, " and never see your seed again."
"Oh yes!" If said putting as good a face upon it as I could, although I was afraid ho was more than half right, "I certainly expect that and a little over to help to ma' 3 up my last payment," which will become due next winter, this was the spring.
"And what other dependence have you?"
I was silent for it was indeed my only one.

I took him over the rest of the farm, and he seemed to theczo a little as he observed the fields well cleaned up and the fences in gnod repair and when we reached my solitary homestead every thing about it was so neat and trim and the provision of fuel so ample as to clicit from him a smile of approbation.

On taking his leave he kindly invited me to his house that evening, a thing he had never done before and I worked harder that day and in better spirits than I had ever done for months before.

The cvening came and of course I went to his house not doubting but that I should see Bella, but no, when I knocked at the door it was opened by the old man himself, his daughter and her mother he said in answer to my anxious looks had gone over to a neighbour's house to spend the evening. But never mind he continued, come in, I want to have a little talk with you about that unfortunate farm of yours and then abruptly added as he handed me a chair, "That big field must be summer fallowed."
" And what," I replied " will old Hebson say to that when he secs I have no means of paying him? This wäs the man I owed the money to.
"Oh," he said, "I have been to see him and have settled the matter so far that he is willing to wait another year for you."

I thanked him with all my heart and promised to follow his advice about the big field.

I went home that night you may be sure with a light heart; only fancy the old fellow driving away on my account, full twenty miles or more. M. Hebson's house where he had been was at least ton mileq off. I certainly considercd the circumstance altogether as a very favourable omen, and so did Bella when I told her all about it the first time I saw her about three weeks after-
wards, but I might have seved myself the wards, but I might have seved myself the
trouble as she knew as much about it as J did and asked me with no small degree of anxiety and earnestness if I was going to summer fallow tho big field.

Well I did summer fallow it ; bestowing the utmost pains upon it-working at it almost night and day,-actually giving it the last harrowing by monnlight. The soil was a light loam and therefore casily tilled and I had it all like a garden and the seed in by the iwenty-sixth of September.

It came up beautifully and soon covered the ground and in less than two months, just before the winter fairly set in, when Bella and her father came over to see it, it was nearly ankle deep. The crop, in short, was so promising that I ventured to urge my suit anew and to ask his consent to our immediate union, but no, it wouldn't do. "There's many a slip," he said, "between the cup and the lip," and I must sce the debt paid or the means to do so fairly secured before I can give my consent."?
Fint pounds was the amount of the debt I owed, and I owe it yet, but on shewing him the heaps of wheat in my granary from that field-nearly six hundred bushels and not quite all threshed out, he was perfectly satisfied and we were married three weeks ago, and a right jolly wedding we had of it. The old man was the merriest of us all especially while impressing it upon the people present that they could never get married without a"summer fallow."

Pleased as we were and as we hope our readers will be with this litle story, and happy and surcessful as the results of a
 to hav ber.., - tiy no means concur in the old man's decision. In other words, we think that the young farmer can get married woithout a "summer fallow." A thorough naked fallow is of course here meant. We object to it as unnecessary and unprofitable. In the instance before us, for example, our yoing friend need not have lost a crop. He ought to have given this " big field" another plowing and then sown it with tares which he could have cut green and made into hay by the middle of August, and had a thick and luxuriant second growth to have plowed in three weeks or a month afterwards. This would have cleaned his land as well as a fallow and the after-growth would have materially enriched it. Tares, as a fallow crop, are not appreciated as they ought to
be, such at least is be, such at least is our opinion, but as it is
not founded on actual experience we should ho glad to receive, from the more intelligent portion of our readers, any communications on this interesting and im. portant subject.

## POLITICAL ECONOMYFOR THE WORKING MLLLION MILLION.

by a torkixa max. Continued from Page 11.
Having thus very briefly, merely anggestively, and without argumentation, endeavoured to point out those simple and self . evident facts, which constitute the matter at issue, the evils and commotions which aflict mankind; it may be asked, are there any indications of a remedy by which they may be allayed if not removed? Truth is constrained to answer,-No.
It has been stated, that the different forms of those evils and commosions converge and meet unon a part of the people, who are subject to physical privation; are in want of the necessaries, comforts and conveniencies, upon which the well being of man depends; Now these conveniencies, comforts, and necessaries; constitute that which is expressed by the word-wealth. This fact brings the whole matter, within the range, of what is called the science of political economy; for that is precisely the sience, which professes to teach, how aggregates of men become wealthy; that is become possessed of necessaries, comforts and conveniencies; it should therefore, if it be really a ecience, account for-at least incidentally-the strange anomaly, that in every civilized Society, a part only of the aggregate becomes wealthy, and ancther part is doomed to hopeless poverty. Errors either positive or of omission, in a science professing to teach, that which Political Economy professes to teacherrors teaching what is not true, or less or more than is true, must be productive, in practice, of most injurious consequences.
Much uncertainty frequently prevails, and much misunderstanding frequently arises, from the want of agreement as to the meaning of words; it will be of importance therefore to define what is to be undenstood by the word science; and then to enquire whether jolitical economy, as at present taught, possesses the general characteristics, which entitle it to rank among the sciences.

Fully aware, that for a working man to call in question, the reccived theories of any science: is to expose himself to the charge of being bold, rash, presum..4.?"R;
-it might perhnps be sufficient for the writer to deny the charge. He is, however, possersed by the belief; that he is actuated by higher matives. Observation, enquiry, and experience have demonstrated to his mind, the reality of the injury and suffering resulting from the action of those thinge, which are proposed as the sulbect of discussion. Beholding facts from other points of view, and investigating those farts under different circumstances; he has arrived at different results, at other conclusions, from those arrived at, by many wise and learned men, who have devoted their time and talents to similar inguiries; and he has done so, after much hesitation and much self distrust. Desirous of cliciting " Truth, without mystery, mixture of error or the fear of man:" The writer has received encourngemens from the consideration, that many, ver/ wise and very learned men, have alvanced propositions, have fortified them within an apparantly unassilable rampart of evidence; and have surrounded them with deep entrenchments of apparandy unanswerabic arguments, and such propositions have beon received for ages, as unquestioned scientific facts: which propositions subsequent investigations have demonstrated to be unsubstantial fallacies, vanishing before the light of truth, like the mist of the mountain before the rising sun. To doubt a theory or a principle of political economy, is not an act of quite so much hardihood, in the present day; as at one time it was, to doubt the ancient theory of astronony, or to doubt the truth of Aristotles Dialecticks. Thoroughly convinced that most injurious fallacies are received and acted upon as principles of political cconomy ; and without this conviction, the writer would be justly chargeable with presumptuous meddling, he claims the right of bringing his ideas to the ordeal of public opinion, he will endeavour to avoid even the appearance of dogmatism; nor will he consciously advance any thing but that which he believes to be true, and when he falls into error, should those errors call down correction-though he will defend himself to the umost of his ability against injustice or malevolence, yet, he trusts be is prepared to receive that correction, even though harshly administered in all teachableness.

After this, perhaps, not unnecessary digression, the thread of the discussion leads to the inquiry-What is meant to be
expressed by the word science? The definition of the word science is, that it expresses the idea of a "certainty grounded upon demmnstration," or of "art built upon principle." To constituto a science, therefore, is from simple facts attested by the evidence of the senses, to deduce and make known the laws which the great Creator of the Universe has enacted for the purnose of securing, specific, unitorm, and certain results.
Thus to conslitute a science of mechanics, there is the simple fact of the existence of inert matter, of which existence the senses can take cognizance, it can be seen, felt, and moved. From this fact is oxperimentally derronstrated the principle or law, that the whole momentum or force of a moving tody is the result of its quantity of matter multiplied by the velocity with which it is moved. This law is found to be universal in every form, combination or change of motion, and upon it is built the whole science of mechanics. So of chemistry, tho senses take cognizance of the fact, that matter having certäin distinctive properties, will unite with matter having other distinctive properties, and will form a combination, toially different in form and appearance to either of the original elements, and from this fact is experimentally demonstrated, the law or principle of chemical affinity, upon which is built the whole science of chemistry. From the simple fact of the existence of fluids, of which the eenses also take cognizance, is experimentally demonstrated the law or principle, that fluids press equally in all directions, and upon this law is built the two sciences of hydrostatics and hydraulics, and so on of all sciences, from facts deducing principles, until man is enabled to penetrate far into the infinitude of nature, and of space, and demonstrate that,

## "That very law that forms a tear,

 And bids it trickle from its source; That law, preserves the earth a sphere,> And rolls the planets in their courso.

One proposition may be here stated, and its truth strongly insisted upon, which is, that all those laws or principles, and all others of every kind, that are really scienthic principles or laws, as they have been enacted by the same Great Law Giver, must agree with each other whenever they come in contact, and that in every case, and under every possible combination of circumstances. Any jarring, any opposition, any inconsistency thero would
destray, the harmony of nature and impugn the wisdom of Un Law (iver.
Having thus sought to obtain a knowledge of what is to be understuod when the word science is used. The next enquiry is, whether political eronomy as at present hught, possesses the general characteristics which will entitle it to rank among the sciences. The senses tike cognizance, that man from his organization, must have food, clothing, shecter; and also of the fact, that by the exercise of his natural powers and faculties, or by lathour, those things can nlone be obtained. Now as food, clothing, slecter, in their ultimate manifestation, constitute that which is called wealth, and as that wealdi can only be obtained ly means of labour, it fullows therefore, as a necessary sequence, "That labour is the source of wealth," and this is the furdamental lav or principle of political economy, and is illustrated in the divine denouncement. "In the swent of thy face shalt thou eat bread." Thus far, teachers of political aconomy, may be confidently and safely followed; but beyond this, the student becomes enveloped in a cloud of details, (mixe? with facts) of the most heterogeneous character, through which he must find his way as best he can, and from which, though it may be possible, it certainly is not easy to deduce any thing which can be made to appear like a general principle. And even when that has been done, a source of uncertainty still remains in the circumstance, that teachers are not agreed as to facts and details; what confidence can be felt then in the truth of the principles inferred from them? In proof of this, take one so called principle: and this is selected, because it may be more casily inferred, because it is more distinctly enunciated, and because it has a broader practical manifestation than any
other; always excepting the fundamenul other; always excepting the fundamenial principle-that labour is the source of wealth-and that is the one that lays at the foundation of the whole commercial policy of the world. "That it is upon the whole, best, that men should buy in the cheapest market, and sell in the dearest." To carry this out, requires (indeed, the principle itself supposes, ) the most unrestricted freedom of intercourse, the most perfect freedom of trade, and yet upon the propricty and advantage of this unrestricted intercourse, this perfect freedom of trade,
there exists the gratest there exists the greatest diversity, the most entire contrariety of opinion. Then of
whatis this so called principle the sequence? This scems to be dificult, if not impossible, to ansiver; it does not appear to eppring from any solf evident fict; it does not appear to follow as a matural sequence frons any other principle, which does spring from a eelf evident fact; it is true, it may be inferred from a cloud of details, but where is the certainty that the details are true? Besides, this is inverting the natural ordor, the details must spring from the principle, and not the principle be huilt up by the details. Then again, does this so called principlo harmonize with other admitted principles? It is an admitted principle of jurisprudence, that in all creec, individual interests must be subservient to, must give way before public interest; but for mon to buy in the chcapest market, and sell in the dearest, it is manifest in every case, makes the public interest subservient to, or give way to individual interests. It is a principle of Ethics, having the eanction of God himsolf, "Do unto others as you would they should do unto you." To buy in the cheapest market and sell in the dearest, certainly does not harmonize with that principle, the two principles come into the direct collision with each other. The conciusion secms to be irresistable, that this so called principle is not a law enacted by
the great Law Giver of the Universe. That the great Law Giver of the Universe. That
it is not a scientific principle at all, and that to teach, that it is, is to teach that which is not true; and therefore, that political economy as at present taught, does not rank among the sciences.

There is also, a strange, a most extraordinary incongruity, all theories of political cconomy. They take little or no account of the powers and faculties, the bias and desires of the agent man; by whom and for whom all its practical manifestations are to be developed; indeed, it is scrupulously, and rather ostentatiously declared, that political economy seeks to teach, to know nothing but how wealth uray be obtained. Is not this teaching less than the truth? How can the powers and facultics, the bias and desires of the agent or latourer be separated from the duties or labour he is called upon to perform? How can a knowledge of the best means to secure the application, of the greatest amoun: of proluctive force or labour; how can a knowledge of the best means of performing labour, be obtained, unless account be taken of the powers and facul-
ties of the labourer. search.

## MONTIILY SUMMARY OF NEWS. <br> \section*{great britain.}

At longth wo havo some authentio,
and nithough very wo hantisfactory, becatisso imper-
fect neivs of tho fect nows of the Frankliny oppecatition.
The follo wing memonanda by Dr. Kane,
 read with great intorest :-
 Port Innis, Wollingtond to tho north ward of Port Innis, Wollingtion Channcl, confirming
those proviously found Chose proviously found nt Capo Riley by
Captain Ommanney. These consisted of fay ments of clothnney. These consisised of fragments of of othing, preserrod meat tins, and scraps of Appor, ono of theso bearing tho
name of ADDonald, med namu of
expedition.
 ted by Captain Do Hzazen, Mr. Peron oneo visiDr. Kane. Thoy Dorv renpectivoly penny and of W. Bmino. R. M., anull John Hartinoll of Tho Erebus, nd John Torrington, of tho Torror, tho dato of tho latest death being the 3 rid of $\Lambda$ prii, 1846. Added to these sad but unmistakeable ovidences, wero tho romains of the observatory, carpenters' shop and armorer's forge. Upon the hill sido and boach wore fragments of wood, motal
and clothing Evorything indicated permpty meat ins. Evorything indicated permanency and organization. There ono bo no doubt that
tho covo between Cape Riley and Beochy Ishand, facing Lancaper Sound, was the and Bechy
firat Wint first Wintor Alation of the niessing vessels. On tho 3fist of Septembor, tho impervious ice of the Wellington Channol undervervious a
complete disruption complete disruption, and by the 6th several vessels penetrated to tho Cornvallis side. Such, hovever, was the imponetrable charactor of the pack in Lancaster Sound that by the 10th of Septomber, the entire searching squadron were engain concontrated nobout eight miles south of Grifitith's Island. This was the furthest test attained by tho Ame-
rican oxpedition rican oxpedition. The latest dates from Commodore Austin are of tho 13 th of Septomber.
They were then in momontary expectation of makiry Winter quarlors, and it is probable that a small harbour. discovered by Captain Ommanney, about three milos east of Cape Martyre, will be the haven solected. There the American vessols, whilo proceeding homesvard, were frozen in opposite Wollington Channel, drifting during the onsuingWinter from latitude of 7525 throughout the ohannel and sound to Baffin's Bay.
Their liberation, after much exposure and trial, took place on the 10th of June, 1851, nt a point south of Cape Walsingham 65, $30-\mathrm{a}$ linear drift exceeding 1,050 milos. The commotion of the ice, with its attendant Uncortainty, was their chiof source of trial. Every officer and man had marked scorbutic disease, but no deaths, have occurred. The
crevs tion is endeavouring to regain the expedi-

## I have, \&c., E. K. Kane, Surgeon to the Expedition.

The London Nekes gives great importance to these notets, and says:
The intellimence
Franklin and his comper of tracos of Sir John ned with and his companions has beon scanexplorers now revesposing the veloran Arctic Woolwich, ard many of them are sanels at Woowich, and many of them are sanguine
in the expectalion that they may yet have
the pleasure of we the pleasure of welcoming at least tho sur-

Viving portinn of tho notlo crews who inft
Woolwich in Nay, Wool wich in May, 1845, with tho Erebus and Tormer. It may bo interesting to know That the Roynal Marino whose gravo was found
was Sergt. Williom Was Sergt. William Braine, of tho Was Colvich
division, who volumter Arctio regions with tho Exp proceed to tho though ho had only tocently returned from servico in Chinn.

## ineland.

Tho agricultural reports givo a very invourablo
 very fair return, nith ounghb fred asa likely to yield n recarding the lumpera specics $\rightarrow$ thooe exprmsed Iater perinion of tho senson by the poorer clatent Tho lumper is an inferion kind of pocutorec claseses. those classes oul necoutur of its of potatioc, waed by and its prolifoc produce, of its chenpriens as seed Subsequent scocounte.
 blight na bromiming morere serious: the tho potato of dry weather would, it was oxpe provalenco the prugress of tho discaso. was oxpcoted, rotard

## france.

From tho continemt thero is littlo news, although much uncasiness as to tho future is showing issolf in meny quantors, and France is far from ranquil, particularly in tho Provincos. Tho dopartment of the Ardoche has carriod disturbanco and agitation so far that
Ah government havo put if in a sinto of siege. up by the popice, has beon dincovererhaps got and $\mathfrak{a}$ vost ice, has boon discovered in Paris, and a vast number of arrests have takon placo. This huge alloged plot sooms, howover, to attract little notice. The resull of the cloilibcrations of tho council-general may bo thus stated: 80 have pronounced for revi-
sion in votod for legal revision other. Of these, 74 stitution-that revision accorting to the con-stitution-that is, by a majority of threefourths of the Legisiative Assembly which, of course, is out of thb question. Five only havo asked for a revision of articlo 45, which renders the present ohief of the Execuiivo inoligible, and one of these demanded oxpressly the prolongation of his powers. One has nsked for tho reo eetablishment of
hereditary monarchy ; and fire have voted arainst all revision ; tho freat depa voted of tho Seine has yot to "reat department of the Seine has yot to "pronouce." It is
very clear the very clear that tho opinions enunciated by
theso bodies can the issue of the question.

## turkey.

French papers state that Kossuth and his companions had been set at liberty and sailed from Constantinople on the 7 th Sept., for America, on board the steamer Mississippi. This vessel, formerly reported on shore at Smy ra, had got off, and by previous accounts
had reached ith Dardanelles. hat reached the Dardanelles.
Advices from India wero considered dis-
couraging. Thoso from China favourable.
couraging. Thoso from China favourable.

## THE RAFEIR WAR.

Sir Harry Smith appears to have made no movement of consequence during the previous month, while the Kaffirs and Holtentols are spreading theraselves through the eas-
term proving tern provinces and penetrating the setlloments proviously considered secure from danger. Aug. 1 , $\%$, $\%$ : " From whape i under date Aug. 1, ys: " From what i can learn, Major Wardon has been defeated in the Sovereignty, the Knffits are within five miles of Uitenhage, and the war is consequently

## CANADA.

Navioation of tifi St. Inawrexer.- The following, from tho $N . Y$. Couricr \& Enquirer, ahows the importance allached by our neighbnuss to circumstances which excite but litle notico amongat ourecives. When wo conasider the tesources of Can:idn, and the littlo une whish our statesmen make of the mighty power for good which they hold in "What hands, wo nro constrained to exclaim, "What trould not the Yankees do with the St. Lawrence, if they had it?"

## From the Courier \& Enquirer.

"One of the most admirable illustrations of the workings of the tariff net of 1815, wo havo recently found upon record, is contained in tho firat for linas of tho following paragraph from a recent issuo of tho Portemouth Argus. Tho iron alluded to was bmought originally from tho Englinh ralling mills, and besides supersoding the Amorican product in our markels, was convoyod to ite destination in the West by a route avoidling our intomal improvotnents, and thereby oscaping oron our milroad and canal lovies, by passing through the waters of tho St. Lawrenco and the Lakes freo of American tolls. Wo commend this paragraph to the attention of our readers; for in its brief rovulation of facts it is more oloquent and argumentativo than a volumo of froo trado essays:-
" Wo loarn by a gentlomin from Montreal, that this last summer a vossol of ico tons burthen, laden with rnilroad iron, sailed from Quebec for Cbicago-that sho paaaed up tho SL. Laswrenco so Montreal, thence by the canals and river to Lake Ontariothence by tho Lake and the Welland Canal to Lako Eirio, thence by the Lakes to her port of destination. After delivering her cargo of iron at Chicago, sho, on her roturn, took on board at Lake St. Clair a cargo of staves and returned to naebee, sailed thence with her cargo on boara for Livorpool. Furthor, that the rapids of the St. Lawrence, botween Lake Ontario and Montreal, have been carofully oxamined and surveyed this season by oxperionced and skilful engineers, Tho reported; that by an outlay not oxceeding $£ 10,000$-oqual to $\$ 10,000$ - the obstructions in the river can be so far removed, that a loaded vessel of 1000 tons burthon can pass down the river from Laks Ontario to Miontmal, over all the mpids, without difficulty; and that tho samo vessel can return by any of the canals, carrying back a return carro, equal to half the vessel's capactay. We also learn, that the merchants of Montreal are now maturing a project for having a regular line of steamers to run between Montreal and Liverpool, whon the St. Lawrence is freo from ice; and betwoeu Liverponl and Portland, in connection with the milway, when the river St. Lawrence is obstruoted by ice."
The Provincial Parliament has been further prorogued pro forma to the 17 th of November.

## MARKETS.

## Lonnon, October 4th

Corn Exchanas.-A fair average supply of Eaylish Wheat has been received this week. For most kinds, the demand hes ruled steady at stationary prices. Fine qualities of foreign Wheat are held at full quotations; but the value of low and middling qualities is almost nominal. The general aspects of the matkets for all kinils of produce is dull with a downward tendency of prices.

Impurial wrekly avrman per quarter:
Whrat 3fic, ind, harley 2is, (hate 19s., Ot.,
Rge 2is. 4d., Beans 28s. id., I'ras 27s.

## Momtapal, 25th October, 185 I .




Flour has been in fair demand for the lower prots. The quantity reaching market from the Wcat, is small. A small lot of inferior wheat have changed hands at 3 s . 7 Jd . to 3 s . 9 d .
be consididered nearly nominal the quotations may be considered nearly nominal.
New beef in better request.
Butter dull, except frrst quality.
New York, Oct. 23rd.
Flour was 6 cls. cheaper, 8000 barrels having been digposed of at $\$ 3,75$ a $\$ 3$, 871 for rrdinary, and $\$ 3,81!a$ \$4, ofit for fancy. Canadian sold to the extent or iu00 barrels of fine No. 1 in Bond at \$4. Wheat, Barley and Ryc appeared hravy, and in favour nf buyers. Pork is lower, New mess $\$ 8,50$ a $\$ 10,50$ with a falting market.

Liveapool, Oct. 13th.
(By Telegraph from New York)
Ftoun has advanced from filo to 1sh. per harrel for fine qualitics. Wheat is 2 d . per bushel dear-
er-

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r.tozs.

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The Publisher of the Camadian FarMER will bre nbliged to those Gentlemen, to whom copies of this and the preceding Number are sent, in the event of their declining in berome subscribers to the publiantion to re-mail the copice sent, addreserd to the Offire. All retaining the Numbers will be considered na subecribers and charged acenodingls.

## TIIE CANADA DMECTOIY.

TrItF Subscriler mapectfilty anounses that the ahovo work will to publizhod abont the 101 h of Nuremiser. The Volume is a llajal Octaro of 692 pages, full bound in leather, and contalion returns of tho Profrasional aml Bumfiness Men of errry kind, in nera fire tirxored axt rirty of the Citios, 'Townt, ant Villages of Canadrs engether nith the Names and Rasidenco of tho Public Ofiress thrmughout the Pmrisect a rothplete l'ust Office Directory of Canmila, and a mase of Statistical infurmation rogarding tho Proviner. auch na has not hitherto bren presented to tho public in any ono publication.

## JOIN LOVELLL.

N. B.-Gubecribers are rospectiflly, infurmod thas tho delivery of tho work will bo aimmenoed at aKtik mpratient cemtral. polite ik the pano visce, sbout the listh of Ninvomber, and will be continuol simultancously throughout, till all
are supplied.
Montreal, lat Norember, 1851.

## HAYS' HOUSE,

Dalhousic Square, near the Parade Ground, nomtryal.

TIIE Subscriber in returning thanks to the public for tho libernl Ahare of patronago which ho received duning his managemant of "Donegnna's Ifotel," previous to its dastruction by fire, begs respectfully to call their attorition, and inFite their aupport to the Magnifieent Establiads. ment, where he is now to bo found, riz: the Mnys House, which has been crected and furnished at a rant expense, and is now in eviry respect the First Hotel in British North America, the situation is execedingly plearant, being on the highest
ground within the City proper and in ground within the City lroper, and in tha imme-
dianto vicinity of tle P..nde Ground, Dalhousie ainto vicinity of th e P...nde Ground, Dalhousie
Square, City Hall, Public Offices de. The PunoSquare, City Hall, Public Offices dec. The Pimocupola, is truly delightful, extending over the catire City, the liver, nad the beautiful country to the south of the Si. lawrence. There is a Promenade sifusicale in the aplendid and spacious Ball Room, every Tuceday evening, durine tho elinson of travel, at which the excellent Mifitary Band of the tropps in Garrinon assiste. Tho Bath Rooms are lange, comfortable, and numerous, so that no delny need occur nt any time in procurnag one. The Tuble will at all times be supplied with every delicacy of the semson which can be procured. The Wines and Liquors, will uniformly tre of the best Brands, and every attention will be paid which call add to tho comfort, conve.sience, or enjoyment of those who may honour tho Houso with their patronage. N. B. Carriages are always in attendance to convey passengers to or from tho Stcamboats and Jatilroad Cars, free of charge.

GEORGE F. POPE.
The "Oaxabian Fabyer" is published on tho first of each month, at one dollar a.yenr, by Jour Saith, entmnce St. Joseph Streel, to
whom all communication whom all communications are to be addressed,
poat paid.
Joun Lovell, Printer, St. Neholas Sitreet,


[^0]:    * One of the most intelligent farmers in Norfulk, accustomed to a dry and sandy soil, was naked, very he would do with a wet or clayey one 1 II very candidly answered, "That he knew no moro how to manage such a soil, than if he had never seen a plough." Farmers, when they change their situations, are too apt to carry along with them, that plan of management to which they have been accustomed, withoutconsidering that it nay not suit their
    new situations.

[^1]:    * See onr remarks upon fall plougbing in another columa.

[^2]:    " Sow it with wheat," was my reply.

