though we were forerd to arquit hime "for want of evilence," vet on the principle of the jury whe hrought in the man charget with muriler, guilly, beromse thry knew he hat stenten a harar, we thmught, that as he un-
doulnedly was making a grot many holes in the lenves, nut utherwise mi-behuving himaneff, ull the sulphur, bremstome smoke, ashes,
 his purtion, way quite sood eunuath for him? The inseret thut is nuw seron on the putatoe Leaves in such humbures, has been compured to a then, in its $"$ halits and appaname e." It
is ahout as much lihe a flat as an apple is like a potature. And as fior its "hubtits" they

 antenne: it a Miיpurs to hop from leaf to lenf but it is furnished witha purr of wims nud woyg cases. We exammed at with the mhed ese only, mand from in hathe (a very tund ones) long to the Mendiandate or masticatume in-seets-(the flom belomes to the Maustellate or suctoral chass, and has mo wimss.) aund is that this inseret cansers or has caused the potatoe disense is sumply, nheurd. That they in. jure the phat mare or kess necorting io the extent of their deprechations umen the teaf, is tow more than what erperience mad common sruse will tell muy orr. We have already given our opinoms athout the disease.
but us many persons, the reaters of the Culticator espreinlly, may inagure thes hate "genteman in hach" to be the man, we would advose every one to have un eye to
the potatoe feid. If they should see him at work, und no disease should filloce, we thiuk a nocrative will be proned at hast, and justrece will demand thut we enter a nulle proscqui.

## THE HESSINX FLY. <br> (Cecadamynidestrutior.)

The importance of an acquantance woth every fuct connected with the hastory and character of thes unsect must be apparent to every farnier of intelliyronce. We greatly fear that from the appillyy and disincliamtion to adopt mensures of improvement, or indeed angthing out of the usul course, which characterize so many of the cultivators of the soil, no general or eficient steps will be taken to prevent the otherwise certain increase of this most destructive of the insect cuemics of man. We shall, notwithstandug, discharge our duty in the mater and heave no excuse on the score of i, nonnuce to those who may
read the Canada Fnrmer. It is now certain that the IIessian Fly in the chrysalis state, is at this moment to be found in the wheat felds of all the older townships of Canada Wear, aud in sufficintit numbers to stock every township in the Province before the cud of ' 48 , and to cut off all the common variecties of yeat. That such a result will not former ravages of the Hexsuan Fly can with any confidence expect. It can ouly be averted by a prompe and yeneral nation on the part of the wheat growers in every part where the Fly has nppeared, or by some remarkable changes of weather, or peculiny cond wiuter and spring which shall have the effect of destroying the eggs. The latter we may hope for, but camut calculate upon.The former is within our power ; but for want of unanimity aud inumediute action, will not be successful.
In addition to what we have already published, we insert the fullowing from a Rochester paper of standing, whinh strengthens the views we have urged uplot our readers in former numbers. It must be remeinbered tuat our American neighlours speak of the liessinn Fly from experience.
"The second gencration of this most this latitude during the two last wechs in Septemiver. The fly does not live more than
 youmg whent phats within rench of the per-
fiect insect at the perienl of its maturity; on
 he first week in Ueteluer, ull mast peristh without providnag fur the appararance of number generoutun in the spprug. As will
 may be sown !ute even butter thin whent, the Hessian hy cem bee whelly extermumted, by
 roweess simultunesously: fur the :30 nere firld
 her, may sustmin larrar enmush to come out Mang: heatly to injure or thensassad weres in hir suriomitime comatry. . Ill insects. mand

 wolves und let the in nut to destroy the sherp y da mere minery to the pribicic than to solv 0 neres in whent carly. in a town where the
 corvantess milliens of these destroyers of Wie are well aware that on many suils. Inte sown whent sulires preatly by the heaviags
of firest, which sepmintes the rount of $n$ sumpl haut tiounch sepmentes the reunt of a sumin
 s will obviute this difficulty. Admitting the till foree uf danger from winter-hillag, still
the lose from that comse is nothing when the hoss from that canse is nothing when
compared will that which ressults from mul arlying Hessime thies in a what growing cuantry il humired fold. The frost ustully injures only portimns of a feld: and even when
the damati ertends over its wulule surfies the damage extends over its whole surfiese. it anever spreald lhke wiaged misects within
The sulyject is olvioukly one of great itnonavoid injury frum frost, and to give their What a gendi sturt with muneroms rouss, befure winter sets in,should remember that they ured only noursh till spring, a few minute
corms, to have ther prain nearly destroyed
and in Muy and June, by the vast numbers of the next genention.
Rolline with a heavy roller wns tried by a kurge wheat grower, in Whenthand hat
fall. fil hill the lurve, by crushing them gainst the stem where ihey lie, but with hinle ir rog gond result. This field was on
the firneset bottoms, and sown the first weak in September, contrary to our ndvice. Its crup is now nearly destrayed by insects. and will give to Monme county far mare
llessian fics the comang autumn, than is desirale.
It is mot $a$ lind practice to sow a land carly hrough a fillow that all the insects in the urighbourhood may come and deposit their nits, which should lie ploughed deep into the maturity in the usual way. No applicatiou to the see sown will have she lenst effect to keep off the fly. In the spring, it will deposit its ova on the leaves of the onts. hardey, and apring whent, as well ns on the winter varietics of the latter plant. Heace it is much more difficult o prevent propugatiou in spring than in au.
Burning the stubble nfter hinrvest, has ent. This can selloma be dune without destroying the young clover which the frrmer has on the ground. No skilful winent grower thinks of omiting to seed often with this ren coant of Eypsum, lime. ashies, and sult. Where the hand is not seceded, or the clover has come badly, buraing the stubble will
Thatageous in more wnys than une. cstructor, for it is indced a destroyer with out a pradlel amoug the insect depredators upon the fruits of rural indusiry. we urge York, ti, urop growers of delaying to seed $u l$ after the 20th Septeniber.
how to lessex the gefect of the flyaso mкucant.
We clip the following from a report of proceedings at a late meeting of the Farmers' Club, New York. The mode of lessening the depredations of the Hessian Fly doee not tallis exactly with the doctrine of a sapp-
ient cotemporary, that manure produces this insect:-
-Mr. Mcigs then rend the following:Previous to the revolutionary war, Sutiol
councy, on Long Island, was so reduced in fertility as to yietd, on an avernge, not more


Fionn the proceedings of the ": AgrieultuTal Suciety of E:ughand" Mr. Meige rend that Mr: Bremays suid that if the linel on whele the neritiviat manares were applied, were, it dry wepathers strawa with a sop-idressing of
 can atiect the crop, which is, thus increased to a murvellous extent.

## To the Liditors of lic Canadin Farmer.

Preterhoro, July sith, 1847.
Gestrames:-When I mblressend you
hetly ont the culture of Linsered 1 folluived

 In daine so of cuarse I beit all the mingut tant detaiks in the proverse from the liret prepmat
 may he motheed to stp forward nud tivenu
 the hope that Agricultural suciaties at thent neetimes will tuhe it up as a leadn! subliject fur disemsion, I fear not but they will urrive at a satshatarary conclas:an. And that hase
 of a crushing machune io a central paite of cach society's bomeds, to lee aferwards ex emben as the culture inarenses, to each
Township. Another protitale crop whel Township Another profitable crep wher:h
would br buand to nunwer wall in Canada, is :le common hurse beane whech is so entensively culthited in the mother conntry. It covers in fact a portion of every well mam-
qed farm: willout it there would he thaticiecd farm: Wihbout it there womal he thitich-
ency in the proper rotation of erops, nud a ency in the proper rotation of crops, and at ior"paratory step onst min the proftathe cullarasenerally follow, mad the huad is then an fine condition for seeding down at the same hame with grass. The hean is suwn in drills sulliciently Wide aphrt to mame of a one horse plough beng unce or twite used bufare the
bean is in boom, and a very late extra trouema is in bluma, and a very hutle extra trouWre and expeetse would thoroughly clean the
ground of every weed, thus sugerceding a ground of every wect, thus superceding a summer fullow, and ndding mimeth to the an-
nual proxuce of the farm. The deep ploushwal produce of the farm. The deep plonghsubsoil plomathag, and wall also be fell as a nems of drainage to the lams. In many disricts of the old country the cultivation of the bean has been of late extended as a sulstitute For the putatoe, and an excellent substitute it is: mure especially the broad white bean Which with bucon forms a disla so justly fa-
mous; ind moreover, both will pay well as mous: and moreo
articles of export.
Another cousideration not generally known. s, that the field bean may be sown in this country 13 the full just betore the frost sets in. I have authorty for stuntrg that the crop will in that case be more abumaut. The Ayricultural societies will surely bestow naion. They would thereby benefit uhe country far more than by showing up the same bull or ram year after year at an expense to the socicty, and discouragement to competitors for the tirst prize. But we must look forward to much grod from these societies. It is in fact a daty incumlent on deen seeing the Legisinture attends to so litte of vital importance in forming the ground uork of the country's future prosperity. The first step they should tahe in my opmion, is, unitr, that ar genernle elech suclety send one nember at least to Parhament, and of their President so much the better. A buxly of sound headed practienl mur would be fortned joined to the commercial and other leading interests whach woukd command the respect and cordal support of the country, nuil stlence of those more cloquent and practiced
congues who waste the time of the louse glorying in theirstrcugth and drawing foolish compmirisons between the linperial and the
Culonial parliaments. They may be men of Colonian Parliaments. They may be men of metal, nud many of them worthy of high reif for the thation's good, as much so ats would
in the ve suunding brass it apphed to every purpose. Our IIousc ought to :dve materinl capalle of constructing a boarl of Agriculture, Combprovement, with just opposition enouph, to be when combined a 3 joard of Controul. From such a house would emenate very different bills from thuse lately, propounded. Some seem nt varience even with common sense, and little or wothing is to be found indicating the collective wisdom of a country
ike this-the issuc of a long debnte hangs
俍 uppon $n$ ihrend; is just as uncertuin as a lase suil and the actors secm quite as much at
home. A toss up would answer quite ns well,
ruking care the coin bore the inpres of the
Queco's head to give the whole affair a smack
rather a wide digression in ndatressing the editurs of nin Agriculturul dournal, but it only replures a inttle consideration and the less, ay much this comptry ress lyy the people tuhing their Representaives atmost con mess from one class, and that oute by mis means the mase lihely to supply
the best sutesimen to suide the countrys onwand prugress.
A pologizing for the length of this letter, 1 ann, centernon.

Respectially yours, A. Stotcusas.

Newne pleconeman Use of the Sus-Poowan--Those most experienced in the
cultivation of this phatare sauguine that, with proper snil and proper cultisation, is is more prafitable than wheat or corn. The geeds are mote oleagnious then those of the flas phant, and combine thequalities for table use of the hest olive vil ; for buranes. of the best sperm, without its smuke; amd for puntiner, it is said by panters "ho have used it, to be superior to linseed, and it is more rapid in dryingo egmally masy in spreading, nad without furming a much denser coat. Prepared and eaten as articholices, the young cups of this plant are very esculent and pleasnur to the palate; the stalks are on excellent sulstitute for hemp or flas, and for the hee pasturage it is cqual to any plant, vielding from its luscions and mamerons nectatices, an abmbiance of the best and most palatable honcy. A writer in one of our agricultural ciehamges, says that, on suitable soil, with proper cultivation, it will yiche on an avenge from cighty ${ }^{\prime \prime}$ one hindred bushels of secel to the acre. From five to serea guants of wil are calcolated on, per bushel. If this is nut over-estimating itsproductiveness, if it can he raised us cileapiy as wheat or Indian corn, ordimaly comsidered the most expensive crops cultivated, the Sunflower inust be a very profitalle production. We, have, herctofore, cultivated it on a small scale, usually in vacant spots, hy vation of other vegetables was inelligible, and so far as our experience goes, it corroborates the above ussertions. We find that the green leaves are very excellent fodder for cows, especially when the feed in our pastures gets low in seasons of scarcity and dromth. We generally commence phucking them in July, taking the the lower leaves first, and feeding them out at night, or, if the scarcity of feed is great, in the morning before turning them from their yards. We have smmetimes given them corn-toppings and the leaves
of the sunfower at the same time, and have found that the latter are invariably preferred. The seed of the Sunflower is a most desirable food for poultiy, its highly oleaginous nature wholly supercedes the necessity of auimal food.-[Ex.

Nuw we of fithes.-A friend at Concord ends whe following iccount of a new and sucFriend R.-I admulistered the "Edher", 20 a fiumpresible by it that any operation was made been perfocined uron her without auy apparent aelistblinty.
ame ago inat one of the stays liones, which he was obliged to shoe, froun sonie canse. wiuld keep up such an incessunt volent kiching. intugg and Inealing, that it was not onty rrsitiblesome but know whent he shem her agam. and I would give the ether to leer I dud so to doy, and two zino. utes after 1 applied whe ether to hier nossrils, sho was ay quet and hrumless as a sheep. and was
hind with perfect ease imd sifcty. The hory was as brighlt as ever afterwards.-L Lovell Cour. To Revone Dust or Mutes mox tme Fite. -Fillwicup or goblet with clear cold. water, quita athe bran, and place the eye mulaters in mach. the cup; then rapidly open a shut the eye $a$ few tines, amid the duat ir monte will be inmediasely mashicd away. If a cup or other vescel he not at hamid the eye may be placed in a apring or bucket

To Fix Ammoxrent, Gisks in. Vavita, -The noozs eftectuat dultatances luat can be e employedt
for the purnome of atracting amunonical ganes, are areen vitrol or common copperna (sulplinie of
 thrown intw a vault, will inmuediately relder thrown int
inodorous.


