

LONDON, ONT., MAY, 1872.


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Acrostic

We have received an anony:nous com munication from Sarnia descriptive of
stump extractor. It is evidently an ad vertisement. If the writer wishes to hav it inserted as such, our adrertising columns
2 en opan to him?

The Season, Crops, dec.
pase cs At the time of writiug, April this, year. still lying in front of our oftice window, where the sun has not shed his rays on it, and it will take another week of such wea-
ther as we have had for the past two weeks to melt it; but of course this is in the city and in the shade. The ploughs have lieen ruming for about ten days, and
consideral le seeding has been done. The consther has been dry and favorable, in fact, many think too dry for the water in
sprinus and wells, which, prolably, were sprines and wells, which, prolably, were
Hever lower at this seison of the year, as last year was so unusually dry; no rain to speak of laving fell during the summer, autumn, winter or spring. Many complain of lack of water, even for stock,
which is very unusual at this season of the year. 1 wheat, although it exhibited very little blade last fall, many looked with cear the resuts the will come througi the ordeal of spring and winter froxts much better than was ex-
pecterl, in fact, we do not remember ever pecter, in fact, we do not remember ever
sceing such a poor blade winter so well sceng such a poor blide winter so wave this spring. The danger of killing is passed,
and it now looks lavorable for a bountiful crop.
In so
and
In some parts of the country there has
hecil a rrate scarcity of food for stock many cattle dying, particularly in the north. There has been no loss from lack
of food in this section ; hay here has lien procurable at \$10 to \$12 per ton, hut to The noith $\$ 35$ has been paid. Some whir
could not purchase were ulisell to le their cattle die. 'Ihere has been muld suffering ammo the poor, strugglin,
Camilics of that section. We are too chnilics of that section. We
thankles for the blessings we cujoy Wool wint le the firot article brought
to market, and flock owners will reap a Wh harvest, as the price will be unprece hecu purchased ou the sheepis' backs. Som armers will not sell half so readily besulse the price is high, but will lay by
their stock for higher prices. If soine their stock for higher prices. If soint
were oiticed $\$ 5$ per 1 lb , they would nut sell, and expect to get 36 . We cannot exactly say what the erice will be farmer to purste is not to hurry their shearing
and sell before the proper time, but an s'mu as the market is fairly opened and the pricese established among dealers. The farmers' business an the specolators' husi-
uces a;e separate, and if farmere want to sipecuiats they need to understand something about Wall Street. Leave the speculating to the capitalist. If they think 10
por raty my ho made in year, or ! por
cent. in a month, they will pay the money; sometimes they loose, but they can store
and hold on to the wool at onequarter the cost that farmers can.
Wool in farmers' hands is sure to lose in weight. We have seen it badly damaged by dampness and mold, and sometimes pects of gain. Our advice is to sell wool and every other crop as soon as the market is open and your crops ready for sale. Grain of all kinds is selling at nrices thay
ought to satisfy our farmers. Cattle may not pay as well this season, as the immense tracts of land in the Western States out vie us in this product. They can raise
corn for fuel at a lower rate than we can corn for fuel at a ower rate than we can
supply cord wood, therefore we can not but see that our lands must be devoted to "ther purposes than the production o beef for the spring market. Our grass
may do for fall stock, but our spring and summer beef can be raised cheaper where corn is 15 cents a bushel. That is our ${ }^{0}$ opinion.
Our dairy productions will be a main stay to Canada; we can compete with the
Americans in this line. We have for many years advocated the extension o this business, which has been found very
remunerative, and will be. The dairymen will buy out the grain farmers, for they have a fast hold and will maintain it. It you have not turued your attention to we invite any other persous to express their opinious. Fruit has and will pay well. We can will keep. we have a mint of wealt in fruit, if rightly cultivated.
Timber has been and will be a source wealth to us; planting will soon com ld cleared lands are not worth half wha hey would the if we had a good growth of young timber. It fact, we believe that in nany places it would nnw pay better tha he cropping system
should be encouraged.
To Cleanse Fbit Trees from Moss.-
 effectually destroyed by dressing the trees in Niltion, of soft s,ap ant common zalt or brine. Hie truive ind arge branches ought to be fire scrape with a fraper made of old hoop or any
ot im im thent that mav be improvised for
the purpose and when all the ecaics of bark are the purpose, and when all the scaies of bark are
removed, apply 'he mixture with $\AA$ painters renush, wriring it well in oo the crevices. ' 1 hi
is much preferable to and not so unsi $h$, is much preftrable to, and not so unsi shtly ass,
wauhing with lime.-Gaidener's Year B. $B$.
[What is still retter as a scraper to
cleanse truit trees, is a beef rib haudled as you would a drawing knife, it oleans the bark, -Ass'T En,]

## Knitting Machines.

It behoves us to treat on machinery, as on everything else in our line We make it our duty to let the farmer
know the quality of the article he wishe to purchase. But our readers look to us for inform ving and, as a consequence, we int iving you our opinion in the very the law, which may be-as was previc threatened-puit in force against us;
editors are liable for heavy damaves telling the truth, if the truth will be in jurinus to any one.
We wish to
We wish to keep in the good graces of
the ladies, and to accomplish this we must He ladies, and to accomplish this we must do our utmost to represent articles, it pos-
sible, in their proper light. No doult we have often been in error.
We advertised and spoke well of We advertised and spoke well of the
Hinkley Knitting Machine. On our first Hinkley Knitting Machine. On our firs
examination we were well pleased with it creditable looking appearance, but on it has not proven itself efficient. A as our experience qoes, we had three ot
orders for the machine, but refused to
It may yet be got to work right, and eglad to let it be kuown.
The Hamilton Knitter, manufact in our own country, we regret to sa ot yet worked to our satisfaction entire satisfaction to every person we supplied with it. They will knit f stockings in 30 minutes, and them well. The worst of this machi that it costs a larger sum than the ot
We know young ladies who are ma Wouey faster by knitting than their fat huslands or brothers on their farms. arve heard of one who purchased a
from the evenings at her Knitting
chine. It really is astonishing to see how ni hey work. The old knitting needles wil he at a discount where a Knitter is in
duced

A very valuable number of Hearth and Home for April 20 is before us. Besides
e al tine ingravinge, and the usial good as ru-nt of excellent reading for all departh f the honsehold, a Supplenient in this n. broctultt against the Publishers for Judze Brady of the N. $\mathbf{Y}$. Suprent and the testiniony of leading physicions advanced ground in regaid to the respors nf manufacturers and dealers in ratunt
cines. This will be specially interes in only to Lawyers, Yhysicians, and Drus
but to all who buy ayd but to all who buy and use mediciner, a
those who have been swindled by those who have been swindled by hum
Get this number especially. either of
new-man, or k nd a a dime and get a no new-man, or Efnd adime and get a nosi
cany froni te Publishers, Orange Judd
ond

FARMER'S ADVOCATE.

Polites and Ampicuiture. In our last isgue we informed you of a
very long communication we received very long communication we received
signed - H. Andergon, Secretary E.M.A.
S. ${ }^{\text {E }}$ Up to the last moment of going to S. Up to the last moment of going to
press we awaited a reply from the Presi-
dent or Secretary to ascertain if the artident or Secretary to asceertain in the arti-
cle was from the Board or from Anderso cle was from the Board or from Anderson
alone, or from neither. We wrote one
communication to the President, and our communication to the President, and our munications to the Pravident an offer was made to publish the article if the Board requested it. The Secretary received his
letter and returned a written reply, that etter and returned a written reply, that
the communication wat not from the
Board, but from himsolf Board, but from himgele
Now for a fer hata, Meeting after
meeting has been held to derin the moat meeting has been held to darise the mo
speedy means for our destruction. W heard that one of thenese meetings was to
take place, and slipped inte the room, in
our editorial capscity, jugt hefore the business commenced. Of course our presence marred the proceedings somewnat
but the above subjeet was the business of the meeting. James Johnson appeared to be the main-spring of the meeting, and tairs.
Wehavenotattendod any of their private meetings since, not from rear, but because our what we peensiderad to be our duty They have held a meeting reoently, and it appears that, with their united wisdom, they have conctuded to run to the Scavenger newspaper, as no respectable journal
would insert their little articles, condensed into 2 columins of a common newspaper. The whole thing is a Political Rig, and
the Weatern Fair is mado to stand the the Western Fair is made to stand the brunt. Johnson is to appear as deserving of great honor, and your editor is vindictive.

## City Progress.

This city is progressing at a rapid rate; buildings are springing up like mush
rooms. The oil refining establishment here employ a vast amount of capital and considerable labor, and the Great Western
car shops have been recently established car shops have been recently established
here ; the Pullman Company are also here; the Pullman Company are als mediately, The Oil Refinuries are doing a great business, and the Chemical Works are also prospering. The Superphosphat Manufactory is doing a large remunerative business, and, indeed, on every side ar the signs of enterprise and prosperity.
We have seen many Englishmen com here and commence farming, but whateve may have been the cause, they have failed in realizng their expectations. They money by farming. But it was a great pleasure to us yesterulay to visit one who is prospering-Mr. Misydges-who ha leased the Carling Fara, beside the city, though he only commenced last January his stock of plants, flowers and vegetable would do credit to those favored by year
of prosperity. We have seen many Con of prosperity. We have seen nothing Canada equal to the Conservatory of Mr Brydges, except that of Mr. Leslic. W may congratulate the people of London o having such a requisition as this Conser
vatory, and we must ald, that the pro vatory, and we must, and, that the pro-
prietor is a gentleman, and well doserving of the success which, we have no houbt,
will reward his labors. Would that we haw many such men, for there is the city progresses there is an increasing demand for flowers, shrubs and trees, and the facility of obtuining tham will tend
greater improvement and, consequently, a greater demand.
 gives roni fort the exerercie of tast

## To 

Mr. Henry Anderoon. S. Secretary of Oximer Respecrso Sien-At one time our opinion of you was so himh that we requested
You to be our representative at the Provincial Board of Agriculure and Arts, as wo con
 states that the
 ila,decitul ahd actssonor the agricultural lands were sold, we met with yoa. and you then
told us they (implying the Beard), were trying 10 use the moneg for Western Fair purposes.
The first time we met you after having

 swer our guestion, and you consented. We
then asked it vou had not given un the abve
 loorked rioht yond lent foa
replied that you had.
Numbers heard this converration. Dons not this look like a trap; first, to pive niv this
intormation, and then to call usa liar for pub lishing it ?
Again, yo
Again, you have often told us that we were
about ir hht in in our remarks conerning John son \& Co At one time $\begin{aligned} & \text { Cou stated that } \\ & \text { the affairs were not manayed for the interest }\end{aligned}$
 nind to expose the whole affair, which yo Again you are the very person tha
intorued us of one of Johnsons remark abont us, viz,
good pper !
A gain, it we remember right, wo believe you Were one of the persons who informed us that
Jolinson was the person who decried Sohnson was the person who decried our
samples of seed whwe werlivite the lary-
est number of samples of whieat that had ever
 been exhi
Canalal.
Again, youn, as an individual, make a reaz
(uss, puthish an articie and desire to injure a person who had throuph
isinioruation obtained fron yourrelf pub
 plement correcting
Come, cone, Anderson, no more hunkerway your brimstone coat, and do not attempt oclaak your
atical purposes
Finally, re have reason to blieve that you
have, for sume unknown cause, allowed your evit, perhaps blindly, to be led to such a course
Ve eve and weare quite sure that the time will comie
if it has not already arived, whien you will see that this very stop you have taken is not mers' interesto. or of those of the Western
Eair, but really for polititial ends, to strike a vindicate your late co-operation with a set of
 political powens, iness, end to have their inter eits better looked after.

 and the bors be less likely to get the mitten



The Desting of Canada. : This is a subject that we farmers of the Dominion oupht to consider It it in not our de-
gire
to o enter int
 our onaly hope, the only foundation, physi-
cully speakiag, must be be aricilture. Ve leave on individuals to forim for them-
selves. ${ }^{\text {apinions }}$ in revard to religion or poli-
 bnilt onagriculture ellended either sect, yet some
our bunowled
of both pooitical parties tiave taken off noe.of both oplitici
Our biect ha
some of those some of tho esem
been our onem
majarity of t
 reasons for their opposition, but strike in the
dark. We have ent spared our means or our
dat


## us?

 Let our farmers know the position they




 donhle tax is imp seed on an aricult rial papers.
We wuld ask, what has ever heel

 to poititical purposes. Pir whint ther purpose
has this Mimice (xirenjiture been incurred The work had been undertaken ty ind country, Why, then, this expenditure?
coner a arumer ask for it d did any arpiculturs
 limprovencent; as as arong to private enter
prize as an unnecessary squinler ing of put
 reward,
ment,
isin.

Gleanings from our Exchanges.

 A greater breadth was sum lat trall than il
other years. The lie lakes can hardy be pee

 Iron the north. Hirl
ton. Tororto Mail.
Soara Bersu-The culturo of sugar beets
is rapidy sprawing in the Unitid States. Not oily is a prm nent market for them ahout th. ypringing into ex.stence but they are found
tobe bexcelently adapted as fond for stock.Milick couss.fattening oxen, slieep and hays a
devour then readily and hlive on theul satis
 other than thinse needed fir the ordiury cull
ture of turuits, are required.- IIecuth and
and

## The Breseces Potato.

## From my experience, I arrive at the

 The King of the Earles is the carliestnud best in quality as an carly potato lout and best in quality as an canly potato, but
to makt a good crop, it unst be 1nated
canty, close. and on very rich ground. The Early Rose requires little seed, two to It I Iroduces more small ones thau some
 is betteras a. ato potato than any early
variety I know. Phe Prolific cooks about
five minutes, moner than any of the other varicties, and is by some preferred as a baking potato. Peerles and No. 7 are
similer in yield, quality and habits; both similar in ylield, quality and habits, tubers (have secn a Peerless weigh 64 lhes,) and both as
winter and late table varieties, are of the winter and late table varieties, are of the
best quality. They do well nn most soils, and may be planted quite late with suc cess. A year ago we turned over the soil The planter Peerless the last day of June they yirh the ground was not in very good though the ground was not in
condition.-Hearth and Home.

## A Good Chesp Paint.

 Take elpoven pounds of unslacked lime and one gallon of boiling water, and stir allons of boiled lingeed oil and one quar-er of a pound of white potash dissolved ir on a pound of hoiling water. Mix thornughly, and if the oil and potash do not nughly, and if the ol and potash do not nough to cut the oil perfectly, but no paint, but will spread easily with a common paint brush, and will wear excellently well; it has all the appearance of a
suncrior paint, while its cost is less than ancrior paint, while its cost is less than half as much. As a paint for harns,
houses, fences, \&c., it is unequalled.

Public Agricultural Matters
ACROSS TMR LiNEs.
A large meeting has heen held in regaid to
he State Agricultural Colleges. the desire behe State Agricultural Colleges. the desire be-
n r to obtan more aid, more land, and more wiwer. There are some decrying the under-
osking. We clip the following frem Moores Tural. which shnuld have consideration at the
reesent time. when so much pnblic money is eing expended, or ahout to be :
"Buying and distributing home-grown seed
(ree, en the part of the Department of Agri

 yents abroad, the Department can secure new
iends or plantm, not herretofor introvuced in this
ieuntry, and which have, or are supposed to ountry, and which have, or are supposed to
live a distinctive cr eppecial econ mic value
here, their iniroduction and dissemination is ex. live, their iniroduction and dissemination is ex-
nusable. But thire is no ex use for the policy
not nusable. But thre is no ex cuse for the policy
which buys new eedd anm. whent, or potanoen of
Tomestic growera, and distributes it free to the Which buys new feed chrn. whent, it free to the the
lemestic growere, and distribute in
few who may be favored by the Department."

## Inquirien.

How is Huncarian Grass to be treated? how
mich seed ix sown to an acre? witld plaxter enf service to it? what is the time for sowng, nh when
n. Canlon. Answre.-We would not recommend ut to sow Hungarian Grass. It must
ot be sown till June, when there is no anger of the spring frost. The conseuence is that it is late in the season henre it can he cut, and then it is saved a dirty state. We recommend W estern Corn in prefercnce, as we have tried
hoth. The corn can be better saved, it is hoth. The corn can beduce more abunlantly. Isach Colburn, Corresponding Secro-
ary of the Loami Farmers' Club, San-
 hanks for his kiud letter, informing us of mur election as an houorary member of the
Club. We forward our paper as instructed.
 naply er you undertake. Consider yoursel
fult

## FARMER'S ADVOCATE.

Farmers' Clubs. We give the following a wolcome space in our columns. It has been kindly for-
warded to us by the Secretary of the warded to us by the Secretary of the not belong to the city of Hamilton, but to a township in the County of Northumberland, over a hundred miles from the city.
We think some of our cities or farmer We think some of our cities, or farmers
near the cities, might be taught a lesson by their distsut friends. These Clubs are the very foundation of agricultural pros-
perity. It is our impression that some perity. It is our impression that some
leading men in Canada will be impressed with this idea, and Farmers' Clubs will be establisher in each township. We are
well aware there are great difficulties in the way: it requires time, patience and mow tardy and penurious are some of our them. Moner has been heaped upon them more from luck than from management;
but many would never expend one cent for any public purpose unless compelled to do so by the strict arm of the law. Those willing, laborious gentlemen who devote lishment or maintaining a Farmers' Club should be substantially encourayed. Their work increases the value of the poor-
spirited miser's property, aud he should be sompelled to dole out an unwilling dolla most profitably encourage such. There is not at this present time one farmer in one or adaptability of one quarter of the comor adaptability of one quarter of the com-
monest cereals or roots that are even raised in Canada, no, not eitlier of wheat peas, barley, oats, or potatoes.
These Societies teach us ; they cause us
to seek for knowledge ; it is only the best to seek for knowledge ; it is only the besture to impart knowledge many a stingy old cadger will even have
the barefaced audacity to desire to ridicule the attempt of some poor, vounger, more
enterprising man than himself tor doing his best to give informatiou. We hope
this will hit some ; but they do not belong to the subscribers of the Advocate, as that class do not take agricultural pajers,
Some of you may profit by these remarks some or yound persons for whom we writenamely, the Public. The class we speak of have never had spirit or enterprise
enough to take au agricultural paper of enough to take au agricultural paper of
any kind; they know nore thau the united
knowledge of the e of the country.
The Secretary will accept our thanks
for his kindness. There are two other
Societies in Caid Societies in Cauada-prolably more
perlaps they will keep us posted. W wish you every success, and shall be pieased to hear of your pros

## 

Canada (especially in the Province of Ontario)
has ssi increa ed that it has beconie one of our staple crops; the six-rowed being the prin
oipal variest cultivat regard to the different varieties of borley,
Professor Law divides the cultivated barley into two distinctions-the two-rowed and sixrowed. Lawson describes twenty varieties
while the museum of the Hi hhand Agricul. tural Society contains specimens of thirty of more. The classification of baliey by the ear
is of three kinds-the four-rowed. termed in Britain Bere or Bigg, the six-rowed, and tiorowed. Of these, , the Bere or Rigg was that
which was mostly cultivated about a century which was mostly cultivated about a century
ayo, but more recently the two-rowed has ayo, but more recently the two-rowed has
aimost entirely supplanted it, and is now the
most cominouly cultivated barley in Britain Most commonly cuitivated barley in Britain,
the six-rowed being rather an object of curiosit than culture. In cleasisfing batrey by the
grain, there are only twi) grain, there are conly twi, knds, Bere or Bigg,
and barley: In the bere, the medium line and barley. is the bere, the medium line o
the bosma is so tracel an to give the grain a The bosus is so racer as to give the grain a than the other. In the lariey the line passe.
straight, amd divides the srain into tuo equal s des, whose shortness and rluumpuess give it character of supeiiority. The thigg has lon been recagnised in Scotland, and ia two-rcwe
variety under the name of commion or Scotcl barley was for a long time cultivarad, but
vereral of the English varieties have bee veveral of the English varieties have' bee color, plumper and shorter grain, malts mict quicker, but is less hardy and proificic tha in common barley. The great bulk of barter used for maiting purposes, and is excelen
food (when choped) for fattening catte and
pigs, and also for horses when boiled, and mor pirs, and also for horses when boiled, and mort
ecunomical (considering the present prices of
and
 per cent. more than tlat of peas, equal weight In speaking of the cultivation of barley,
would say, in the first place, that a loam so is the most suitable for its production.
Although barley is not so hard on the soil Although barley is not so hard on the soil
sone of the cereals' yet it requires a clean
rich soil, and land that has been made fit fo rich s oil, and land that has been made fit for
turnip or other boe crop will give a greater turnip or other hoe crop will give a greater
yield than when sown after any other cereal. th does not require a deep seed bed, but ont expect a large rituru. In, preparing th soln whi sh uid be pll.ughed once in the fall,
as to lave the benctio of the winter's frost ; as to liave the benctit of the winters frost ;
biould be ploughed in ridges the pri per widt r sawing ; if sown on wheat or oat stubble
plough as soon after harvest as possibie, an
airuw after to kill ail wid arruw after to kill ail weeds. If nit iic
 In. In sping, when the land is in a fit state
for working, and just bef res, wing the ground
hruid be gone over with the cultivat , r, crossing the furrows, and sugle tine with the har-
ind Whws after, in order to give a loose and even be better than the cuitivatur. As to the proper time for sowing, much will depend or the ceaon; if spring opells earily, and con in the
fine, without frost, it wight be sown
last weetk last week of April, but generally I would not
8ow until the 5 th or loth of Muy, or even later, as the young braspary to get nipped with firost, and be the cause of reducing the iucrease
of tioe crup. There is much difference of npi-
 wl.own cownly, less seed mite, two bushels per acre being
ufficient



 laro owed in with light larrous, and the rolling
lieft itl the braird is well thrond the ground
I night say that I have f.und. frem three t I might say that have thund. fremthree
fuor years exprience, that from 100 lbs. to
150 lha. of salt sown to tite acre will have the effict of stiflening the straw, and is of great
beneffit where barley is sown on rich clay oiil
Gentlemen liaving given youn ny knuwledge
atout barls, and ny smail experience in
and regard to its
your discussion.
Mr. A. Mc. Donald said that he thenght he
conld not add much to Mr. Sidey's addreess
as that gentleman had truched on most of tl
subjects conected with barley that he coul
think of. He thought tilie six-ruwed variet think of. He thought tilie esix-rewed variet
was most suitable for us, chiefly on account
 thought the two-rowed bartley yielded best specialy on clay soils, but that the six-rowe
ripened earlier, and was not so easily discollred if we happened to have showery weather dhr
 he thought it did beit either after a summe Calluw or a root crop that had been well ma fall. in ridges say frum 15 to 18 feet wide, the in the spring cutivating across the ridges. twi
ir three days before sowing. He would n n sow too early, as harley was as tender p'ant, on was apt to he hurt with frost if sown early.--
He had found a great advantage in dressin the ground for barley, by drawing cat shorl
welll rotted manure even during winter or earl pring, and spreadivg it over the ground, th
ultivator mixing it with the tep suil ; he ha und it beneficial to apply plaster to barly
came up (especially if the season was dry came up (especialy if 150 seasto was he the the ae thought salt would be aul advantave ; out or five fundred weight of salt to the ac
Bis barley this year. Barley was sown $t$ ha his barley this year. Barley was sown thin
early on a clay soil ; the thound was lump was apt never to come up throng the
ground at anl. One year he sowed his barley, he next day a heavy rain eame on, and one
half of the barley never got through the the ground onght to be well prepared befon hwing barley, made mettow on the top, no
tho deep, as harley drew its nourishment fron near the surface; he thourht that to appht sbout 150 lbs . of superphosphate of lime atome
*ith the barley, harrowing all in together with the barley, harrowing all in togethe
would be ar great advantage. He had seen
one dust applied at the rate of six bushel one dust applied at the rate of six bushe!, part yiflded ten bushels an acre more that Mr. Bourn said he had no experience wit tarley: he had only grown one crop, and
found it dil not answer on lis light soil ; he thought it did best either after fallow or elsi
fier 2 . root crop; lie would prefer it after oot crop on a fertile soil ; he thonght the
and requirt to be made very fine for barley, more so than for wheat ; lie thonght spriug wheat would do well on ground that wax to do well on light, sandy land ; it would dry up and cone to nothing.
Mr. Francis Aitchison said that of all the cultivated grains there is, perhaps. note which
comes to perfection in sucl a variety of clitomes oo periectin It is fund in most parts on
thates habitable globe, and maint.ined itself in spite alike of tropical heant and drauglit, ani
the cold of regions bordering on the frivid zone. Linnæus found it growing in Luleal Lapland, in latitude $67^{\circ}$; in genial Crimatein
snch as Egypt, Barbary anil the soith of Spain,
sit twe crops of barley may be reaped the same
year, one in spring frome seed sown the pre-
vious autumb, and one in autumn from vious autumL, and one in antumn from a
spring sowing. Tlis explains a passare in the
Bithe (Exod. ix. 31), where the effict of the hail which desplated Egypt in consequence of
Pharaoh's refusal to let the clildren of Israe Pharaohs refusal to et the ellidren of Israe barley were sminten, for the barley was in the
ear and the flax was bolled. but the wheat and the rye were not smitten, for they were
not troun up." It is agreed anong coummen-
tators that the event this narrated to place in the month of March; the first crov of barley was therefore nearly ripe and the
flax ready to pull, , ht the wheat and yre sown
in spring were not yet suttieiently advanced
in prowth to be hurt hy the hail Rarle grows best on light, fertile soil, well cultivated to it than to any other grain; it should
therefore, foltow a hoe crop. if possible. Roo crops require a well-1, ulverized \&oil, and so
does barley. In Scolland it is almonst always
sown after turnips, which have beeu either tod sow anter turnips, wich have beell either fed
off hy sleep or drawn to winter quarters for
cattle fosd. This rrain does well

 pidity; nevertheless. it should be giot in as
early as the state of the qround will admit, arly as the state of the grofore it is quinte
and $h$ hounted ripe, as it quickly rajures if allowed to stand and swine.:
too long. When harvested early, the grain ont and be wasted quality and lessan of barley very nuch resembles tiat les gluten and more starch and sitgar, as the resnit of which it
is less nutritions. thinugh equally wholesome. Barley is quite as exhaustive a crop as wheat, not; indeed, more so ; it is, therefore, a misond a condition for it as for wheat. Barley will do well in a shatlower soil than wheat,
 Mr. Pentt eaid he thought I'tle to what had heen alreadr said, as thrso hn had spmen had rrety well exausted the
inlject. He would prefer the $t$ wo rewed $t$ o he six-rowert harley. if it were not for nur
he ser marknt: the Americans were nur chinf binyers,
und they preforred the six-mwed barley. and ee hust grow what suited them. tholuh in the ix hashels on acre mire of the two-rawed
han of the six-mwed dilfficult to disposse of it: With him, if harley vas enwn ntter rmits, it grew ton strnng and He alwavs manured his root ground very hizhlv. and had sometimes sown an acren or so gont crnp and a fine shmple. but was dissapminted; ith niways grew too strong. He zenplany sowid hive mot land with whent then cultivated. and sowed with barley in the
sprithe charley, and a quind kample. If he was going
tro manure land for harley, he would do it in the fall hefore nnoughing; it would then get vell mixen with the soil whan it har the neWhen sowing twe-rowed briley he nied from a hutshel and a peck to 14 bushels af seed to hishels if seed to the acre. $H \theta$ had never trind ealt on his herlever hut thnught he would
thid verr. as he heard that salt helped to stit Mr. Yomng said in his experience with harlovy. he greatlv preferred the two-rowed va rietr, as it did $f$ ir the hrst with him and he
had fond dind difficnlty in selling it and getting the Hselinst price epning for barley. On nne nechicin in the same fipld. he anwed hoth the kinds of harlev, and he gnt fimm 8 to 10 huchfrom the nere miner kind. Thought the twe
from
nomed dit rowed dir beest on cloy snil. With him if
enown after roots. it lay down and lodged hadly. He thnught that about the $24^{\prime} h$ nf
dpril was the hest. time to sow harlev. If ho dpril was the hest time to sow harlev.
mannured land for harley he wnuld either man"re it in the fall before plonthing or else n" he ton aitoceether. He plaughen hia
hrilov in the fall, and then cultivated it in the epring. said that as far as he was conncerned he woull he hrief in stating hie exnerience in the crlttivation of barley. His inea was to pond conat
land well in the fall, and give it a gon ing of manure if he had it and the land re say t'ree inches deep or so the spring plonghne into broad lands across the fall plowahing:
ee then cultivated it. especially if there had告en rain after the crnsa ploughing, this makfine the weathor and level. No matter hov so harley hefore the oth of Mav, and
to mow the weather was not faverable ba was enmetimes as late as the 15th to the 20 th no
 pring frosts; if barley gets anv check it is
ery detrimental to the cron. It very coldonin A hr the very ahle practical manner in which ho The next meeting nf the Cluh was an-
minted to he held at Mr. Revan's Hotel. Cohnurz on Saturday, the 13th of April. at 2 ne the cultivation of Turnips, Carrots, and Mangor Wirtzels.
Mr. John Pratt to introduce the subject. Ifalian Bees in Utaf.-A Utah correa. Italian bees imported into that Territory last suring, and that they have thus far proved a
decided success in many instancees, ne live producing four to six sworms, and ion pounis interest nnted in relation to the importation
of impreved breeds of , borses, cattle, slecep
and owine.:

## FARMER'S ADVOCATE.'

 our illustration in the above cut, the
utility of which any one will see who has ever raised corn.
a poser.
In the above information there is much of value to the farmer and wealt
to the nation. Let us ask a question o two:-Is there a president, director, sec retary or member of the Eist Middlesex
Agricultural S siety who has ever volunAgricultural S siety wio has ever volun-
tarily given such useful information t
 such, bat in vain. We shoul he hapyy
to be informed if either East Mi didese? (which means the city of London), Hamil ton, Toronto, Kingston, Montreal, Quebec or St. John's have given us such valuable information as the above cut repressue of Wr journal, fr m ruralists, such as "The

$\left\lvert\, \begin{aligned} & \text { and nolitical nnwer has heen. is, and will } \\ & \text { hee the ruler of the citips. Therofnre. we }\end{aligned}\right.$ he the ruler of the citios. Threnfree. we
shy that we. as arriculturists of the Do-
 rimhts an agricul thral ground at anne
We well know that in this cite nolitics rnle the acricultural affairs. $t n$ their oreat imiurr. Look at the Tnrnntn Agricultural
Pxhihition-a failure and that at Mon Wxhinition-a failure, and that at Mon-
treal, the hest in Canada for the arte, scipaces and floriculture, hut the seed and imnlement denartment is far worse than that in the emallect tnwnshin shnw that
ever we visited in Western Canada. Draw vour inferences: are the cities ton rule th tarmers, or are farmers to be independent Decide !

Western Fair or Pollitical Matters.
Being desirnus to ascertain hnw much ononsihar for the allegations against, us in Mr. Andersnn's letter. we, have addressen the following letters th the Vire.-Presiden reply to either:-

Lond
Nros, President- Ma

 with the wish, desire and consent of your
Board. If yoinr he hoard are not aware of
it. I would most sincerelv advise yout. for the


 - Apron. April 13th, 1872 Lindon. Ap
To the President of E. M. A. S.
Drar Sir, - T have heen imnressed that anmen DEAR SIR, -T have heen impressed that sonne
of the ontrollers nf the Western Fanir, wity,
which vour Asenciasion is connected, havy which vour A Ansciation is connected. hav,
acted in a most ininirins mannor towar
ans th, acted in a mast ingricin'turists of this Domininn
interest of the
and more narticularlv the interests of thiand more narticularly the inferpests of thi-
ocinty. and that the Western Fair as it hau
heen onducted, will result in mare injury that

 mitted at any time. I am willing to be con
vinced if I am in error. It it nnt my desire t $\begin{aligned} & \text { cheok any prorress in agricultire, hut to ai } \\ & \text { it in every proper manner. } \\ & \text { Yors, \&o., } \\ & \text { W.'WeLD. }\end{aligned}$
Having had, as above stated, no reply,
we again address the President in the Having had, as the President
we arain address the Pallow, through this paper:-
To Ma. G. Nixon, President of the E. M.
Sir,-
Should your Board desire the publication of
Mr. Andersm, your vecretarys
surticle and Mend Anderssh, your eecretary's articlee that that effot we will publish it
in our first issue succeeding.

Supplement to Farmers' Advo r Apr
In the fir
volume:
ithe voic
occess. and ar.


 thic civ. Whane were beinflninted.
Sne time the nere atompting to moke a sre andle of $t$ 'is olser. We are alwavs rendr ${ }^{\prime}$ We do nnt acknnwledge that this nnposin mwer is right, or that we lave been in orm
in nur noining. We gave nur information
 niv such na wa holies
time of publcution.

Sceds, Sceda, Seeds:
We hasten the publication of this issur to prevent nur suhgeriliers sending us any more orders for some kinds of seefss thic alroadv oxhausterl: in No. 1 McCarlino Wheat, 24 bushels more than we can sun
n'v are nrilerel from one soction alnneThere is as similar varety offered inder anther name. but we refine it, a
we are not crre alout it althoursh it courd
 ame other varieties of matatnes are ex hansted: Farly Providence Pea also.
Orders for innre than our original stoct are lying unfultilled: oriders far in ald are ying unfulthed nerine Thatian rye erase s run out and th
lonhly exhansted.
We have several varieties of potatn-
Geld and carden soeds, and a choice celle timu of flnwrr seeds-we think sufficien in supplv all the demands we shall hav in this line.

To the Ladies.
Hot-houses, conservatories an $\rho$ ven ho
ands heds on the farm are like angels' visitsvell that even if they were there farmers Vives and danghters have other work ${ }^{1}$ ant than attendiny to the horticultaral de
Still manv of our laly friend re extremely fond of flowers, and beito good deal of time and tronble on thoit
ber garden, and frenuu:tly meet wit treat disappointment in having all thei,
hoice phants killed by $f$ ost. We nur elves have suffered many times from thin me frost, and consider that the safess ind hest tine for sowing seed of all rious delicate plants is about the We have now received our importe and to give you an opportunity of tryin them yourselves, we have determinerbs on the receipt of 5 c . to pay pastage, to presen
to the wife or daughter of every paid ul sulsscriber of $\$ 1$, who has not previous? received a prize, three lackages of choice Hower seed, you to select one varie y
seed or one hulb from the following list, ol from the flower list in our April number. Choicest impo trd Germ:n Flower Seeds. isters, 18 varicties, 1 seed costs

## Asters, 18 Stocks 15 Zeriis, 12

The voice of the meeting was not taken by a ombers and Pre-ident we were led to mak those statements. We thave ince been informed
that the price of the hand sold was $\$$ soco $w$,
and 'so received infornation from the Secretary of he Ass, ciation two the effect, that som
so use the money for the Wrstern Fair.
From a communication since received we un
derstand the Western Fair was not originytel lerstand ure Wester which it may havesince been
for the purposes to
pplied. We have seen an explanatory ducu applied We have seen an explanat.
ment which shows that power hat bee
to the Board to dis; ${ }^{\text {; }}$, ofe of the land.
We return our sincers thank to towo gentle.
nen, Mr. W. Siannuiers, now Prowident of the
Men, Mr. W. Saunders, now President of the
Western Fair, and Mr. M. Walker, who ver
indly


## 

Mr. Saruuders has already convinced us that
Mr. Sanuders has already oonvinced wa that
his desire is to conduct the vicstern Fair fo the

Sun Flowers.
These filwere are prothatly the mast useful
in:d wou can mant at this season : diseace is Marching nnward. There is no absorbent of He dinverows. sickening gasscs equal to the
:un flower. We wonld reennmend all of you
 eag thile or animal antter is to he found. If non reard your health and have impure nir
hout your dwollings. from whatever source rising. we wanld strongly recommend you to
'ant sun flowers.

ETs Designing and deceitful pers ave been speaking nf us as if we had acsert that such an accusation is without issert foundatinn. We have not nppozed the Fair, but we have onposed and will ron-
 $\mathrm{n} \underline{\text { a }}$ an acricultural institution for
aervice of nersons or narties who are not service of nersong or narties who are not
avnrable to the agricultural interest Cur avname to that onre agricul ural affairs :honld he conducted for the henefit of ag
:onltural purposes and not for party pur-

## poses.

## SOW CARKOTS.

Farmers, sow carrots pilentifully for reding vour stnck. They are a cheap and excellent foor. They are said by he good health and thriving condition of arm stock than any other food. Th Peplgian carrot is, above others, a very arge cropper.
Hivts to Opcharnists.- Be very cureful to
cen vour trees clean and free frum worms, - pen your tres clean and free frum wormas,
oers and rough hat. if yor expect to
 -erv sprins or fall with strong soapsuds scra ne off he rough bark with an old scythe or
tier instrum :nt.



 vrigh not, less thin one thmus ond the same style
ho wnill huy a single hr ree of the nd deghrintion as the pair wanted. He mulst
esmsonly huit ant an eacy rider. Any of
 whing tie abre drsernhims
mough to communiste with us--A
To-day the APRI, 8vow-sonth of April To-day, the 15 th, the month of April
onds the first half of her course, and we nave a glorious, old fashioned snow storm. "What a horrid climate." Grumbier exlaimed, as he crouched in a door- way for only reply, as the thick covering of snow gathered fast on our cap and crat, and we lonked forward to the abundant crops of The suow is not only a thing of beauty and jov to the hearty boys and girls of nur healthy and happy country; it is also a source of weal lif. it aresue protectin rer wheat: it adds larcely to the productiveness of our soil; it is a mantle kiudly thrown over the eurth in this norther climate to keep within it somewhat the
heat it imbihes in summer and fall. Cov ered hy it, the roots of our grasses and other plants in the ground are uninjured and are ready to start into luxurialt
srowth as sonn as the earliest rays of the spring sunshine and the first gentle drops of raill tell that the winter has departed. The snow is a manure fopthe soil; it brings with it from the atmosphere elements that enrich the grouml. Evat cer-
old-country farmer knows with what tainty the winter of hard frost and heavy snow is followed by a very heavy harvest blessing the husbandman win holds good
dant increase. The same rule dant increase.
here. We have no wish for a warmer climate. Our cold, hard, bracing weather,
fills the farmers' purses and the merchauts' fills the farmers' purses and the mercbauts
grain stores. It makes our trees inow grain stores. It makes our trees inwy
down to the ground, loaded with pich

durance to our brave, hardy sons of the north, and richer bloom and greater freshhope that this hard, cold winter will be followed by au ab in 'ant harvest.
"woodman, spake that tree!" advi.e $n$ n the subject of trees. Similan advice has been given you before, but wt are so apt to forget auvices that repetition
becomes necessar. Always in the bus: spare some trees for shade and ornament, asy way of enhancing the value of you farins, and that, too, without expense.-
We do not m an merely allowny somt acres of bush tos stand lor use in the year: that are yet $t$, come. This all farmers do when cleariug their tarms; but we advis. you, in aduthor in various parts of the farm where they will be of most service for shelter-clumpe and belts of trees. If ever your farim be to be sold, it will bring the higlue: sale, it will be the more valuable for yoursulf and family. A belt or clump of trees,
shading your cattie from the heat or the storm, or, it may be, sheltering your crop:
from the north wind, will pay you bette from the north wind, will pay you bettee occupy. We must also take into arcount increasing in value, as the country become stripped of its forests. In the ollier settle ments it is now getciug scarcer and deare
and this scarcity and increased value mus increase withit the increasing population.As an instance of the rapidity with whic
forests are disappen following extract from a P'emusylvania naper:-"The forests and ensylvania ar, numerous sawimills of Williansport alou has been immense. The amount of leg ra'ted out of the boom for the preseu boards. It is safe to assinme that 300 , o(0), (ovo are annually maunfactured a
Williamsport. It we go back for tel Williamsport. It we go back for tel sumptiou of the raw ma erial can continu for many years is impossible. Our moun tains in ten or fifteeu years will be denuded
of every pine tree."
aeding girdled trees.
Take strips of yood thinfy grown wood
the lazt year's erowth. cut in suitatele lengtl and fit thenn nice and snus into suitable place
cut nuto the live bark, somedling like griat ing ouly ny slips are cut square, and are eve
so sumg thit the ends crived a very little tit so sing thit the ellds crivd a vely little at thy
top ani buttom of the notches cyit to receiv.
them in the girdled tree. I then tike strip them in the girdled tree. I then tiake strip
of ofld c : ttun cloth well spread wich hood graiting "ax, and bind it around the tree where th
grafis are set in, and the work is done. Th




 inc es in two yrars, and con equently the trees
were antuo $t$ ha add wer.


The seeds if peas anill spinach germinate The seds "f peas and spinach germinate in
the earth an quite a low temperature, and th
plants will endure considerable frost withou plants will endure considerabl- frost withou crops 8 Wn in the open air.
As bunt ittie ksill is required to grow peas,
our city markets are liaule to become wver. our city markets are liatle to become over.
strocked with thum, and the pices to decllne
below painy rates. But the marketg g an rally
 rayo of the mid.C.ay sun fall aimost verticall
upon it can make the growing of early poan
profitabte
them very early, on peas, we musm molt not only sot sow must
oww the rariest variet ies. There is a difference
owtime latest varieties of t.arie or four weeks

 | ater tha |
| :--- |
| in or 10 inches hysh, it can be sown Iut drills | to lis iuches apait, and the yield is smmense.

McLean's little G.mm is mure McLean's little Gein is more excellent than
cither tht the hers, and is specilly to be m .
wended for fanily use. collor, wrinkled and fairly productuve.
These three sorts make a very good list of
carly peasay for faunily use ; for market, I would

the swert pra.
A \&kilfulcultivator of this flowering plant says
chat if properiy grown, it will coutinue in bioum

 Hast, or in a continuuus r.w. 'Io keep u u he he
Houm, he same course must be adoptec as wit

 dhe pla ots the huccing oin occasiounally is useful. Mit of the Euglisn gardeners, by a proces.
similar to the preceding, keep up fiowers from Nay to Novemiber.
raising poclitry,
See that the roost 18 clean, and have no open-
ings exceptung where hee hens go in aud out and

 cemn to lay in, be numervuly ellough for a
cast fort t.mese t.e en number you t ave, whicl
vilit give roum fur them to est at night unmu ested by the many quar relsome dames to $b$ b
vund 11 a ace re or more heus, and it will
 mee made, above luv yards away, a d deave two
 aens. And uo not have nuet that this s.umber
it one place in you have o concrive ever soo many









 sil , uld be seen to diaily -13 to 15 etgs, accordinb
co size of hens, will be sutficient for any hen $k$
When the hens hatch their young hrood, put
them in warm litule movable coovs, so that the them in warm litule movable cuops, go that the
nen canot drag them about inthucoud and wet.
Piace hese coops un some nice suuuly bank, fal
 as in cool weather and so eariy in the the
season they require feeding often, and when tuire cossng up so that it will be da $k$ insiite,
a.d the hen will nurge them a.il the while. can be allowed cheir tiberty during the day, and
whe and
whe
 rinosine phape, which should not bo watn the uli
fowis. at the from their rousing together-beslides which, a
the weather becont wiur, it is unhealthy

 there, arre no limints to the numbersanny on
wishes to have, but a a y poultry fancier ha wishes thave, but any pointry fancier hat
nuch bette expend. $\$$ ove in the coustruc.
tion of fifty rounts placed at a distance from each , ther, to preve t intermix ture, than to lo la
out $\$ 1$, vuv in a tine pa atial edtica to accomo
 ture irkey and Guinea birds should never be per.
medtede to matot the rooting or haying depart
ments of the common fowls, for they are quite
as rauel in worryyng and disturbing gencrall
as l'ea Fowls, which also should be gexlude


 ground, they will hatch out and raise thei,
young beterer than by botherin, hens, poon
things, bo sit extra time and danc ate
alung ditches or around pands Any youth who has premises of his fathe,
to commerice raising poultry on and around Rhoult look to the evg. as an sonrece of profil
equal to the chickeng raised, and if he hat seve. ra separate roosts it would be good policy ti
have the prptual laying varieties of hems at al,
but one, keepina have the perpetual laying varieties of hens at al,
but one, keeping one lot to use for s.ting ant
risising, and the others for laying. -Countr, raising, and
Gentieman.



 waicr. Wasl the patts where the hair is thn
with warm water and soap, then rub dry wit1 a limen couth and immediately after rub in oine
of the above, iniment. If the lair has bee
of the of the above liniment, 1f the hair has beet
rubbed oft by the animal's own endeavours to
ailay culaneous irrita
 rolowning ointment: Une ounce of fine flour
oulphat, one ounce of pulverized saltherte,
mane into a soft vintment made into a soft vintment with fresh butter on
fresir radee. hog's lard ; rub in at night and
wast out in the murumy with warm water and




Never IProve litise to a Friend
Never prove fa se to a fiend,
In love and in friendslip be tru

He may be dishonest ; a knave
1n otaer's opminist ; Wit the
To you his is zenerorous ant in ind
ind one ut che noblest of men.
Is any man free from each fault,
Aht ribhteus and booci 11 h hs way
Live, there a wonun so

Never speak ill of a friend,
To gossippers ket

Stand by a friend in distress,
Wha y you knuw he 1s really in need
Heed no if he tails; ; onit the less,
Inere is honor for you in the deed.
That one may deceive you tis so-
Thon his, not yours hie disbrace,
Because we find one mann untrue,
Suall we wronk or as sirust a whole race
Censure a man for his fualta,
But never prover, walke to a h irion isu,
As loug at he's fathful to you.
cultivating what fields in the
Many farmers have harrowed their winter
wheat in the syring, when the soil was in prope
 Euturand a machine is in use adapted to th
workng of the roil betncen the urill rows aun sweepius the same hreadth as t e grain dril
Horse-hueing is the uame applied to this kind
 ireaks the winter crutt, a d if it does not in
reculy beuefit tt.e crop it it helys that following inasmuch as it cleans she s,ini. Drilied wheat 14
in much better shape to be benefited hy the ue
of a
 loose betwen en te rows. The ro ler ris deenaed
better iumpitenent by many of our farmers, an is more fireque tly used on the ir wheat tields in
the sprigk than the harrow. It is certainly
safe tool to ube on the wheat field ;it breaks th


 beeu badly kilied.
J. R. Conklinh had a field of wintor wheat much
injurad by boaving. In the wefrot apote whos

Tre plants well up mellow
zfter harr
and Atl this was early in spring. The red result was
yood crop all the feld good crup of siry ng what, and nearly as earl
ls the winter wheat, and where drayzing had
lapi d on the latter it was evidently benefited lapp d on the latter it was evidentryy benentedted.
Hlave since dragzed and rolled separate parts of

ways followed.
 no the roller presses into that soft ground th
Lo. sened roots.
Mr. Samuel Chapman. solved to mamuel Chapman.- Last spring I re
part and leaving part. in my wheat by dragging part and hea,
teeth hamp dra, and. started it myself to not
remults. The first two round I results. The first two round I kept watch
bhe teeth as they tore through the roots.
looked the teeth as they tore through the roots,
lockeda as though all were torncut. At the en
of those tounds I raied the

 crust my man for the rest of the job, but I in
structed him to leave certain strips which wer draked out, in order to make a comparative test.
Now for the results. Those parts which wer harrowed took on a darker green and gave ev
dence olherwise of increased vigor. They r
daiued all their ady yanta calued all their advantage over the undragred
parts uutil harvest. 1 could not separate the
narvest darvest, and cannot therefore tell how much
west benetitud by the work, but the advantage
was very plainly iu favor of the ta Was very plainly in favor of the harrowed por.
tion. The eidel the previouy year. had borne
barley, the year before corn, and before that Lions. The theld the previous, year had borna
barliy, the year before corn, and before that
was atimothy sod. Some foar to undertuke an
weeration which looks so hard operation which looks so hazardous to the crop,
but I can assure you than if you will put your
Larrow on the wheat and drive it a whie, and harrow on the wheat and drive it a whiile, and
thin examine the extent of the mis. hivef oyou
will be surprised there is so little. I would re commend uragging as a gort of spring culdtive
tion of winter wheat, on all pieces not truble with many flat stones, Oa such the injury
mig.t uutwigh the advantages. Uur own experionce in harrowing wheat for
two or three seasons has aat istied us ot its utility. Sur p actice has been to harrow soon after the
round was well setuled and dry after the wheat Inad commenced grywing. Indeed we have har-
rowed, as an experiusent, the second time after the wheat was six or eight inches in height. It Makses the Biil in tine tulth, seems to give a clean
appearanco to the hied ans a thrifty look to the
wieat. Of courso this cannot be done whero



## recondity or ducks and hens.

Some interesting experiments have been made
upon the comparative $f$ cuudity of hens, so as to cetermine from which of hue two
the larger number of efgs can be obtained in the larger number of eggs can be obtained in
the same time. For this purpose three hens and tirse ducks were se, ected, all hatched in
Feveruary, and douribhede with suitable food. In
the following autum the ducks had anid $t$ wo hundred and twenty the the eetgecss whad e the hene
in th c case laid none. In the following Febru ary the laying geason began apain with thin ducke
and continuel uninterruptedly till August and continued uninterruptedly . till Auguas.
They showed no inclination to thit and became
very thiv, but sulsequently fattening up some very thin, but subsequently fattening up soune
what. In the meantime tene hens hai not been
idle. The total number of e, ga laid by the
the

 diel and thirty- one each. Although the eggs
of the ducks were rather maller than those
of the hens, yet they pr.ved to be decidedly of the hens, yet they priwed to be decidedly
superion in nutritive material, go the guperior ty in productivene-: appears to be ralugetiler

$$
\text { GAME HENA } \triangle \text { ND doces. }
$$

A writer in the Canalian Poultry Chronicle
ives the following as lias experience with the hi, gere are few fowls mure hrolific than ans :and where there is a good wide range of any
kind no fowls will prove more protiable, the lack-breasted red prove more protiabie, the
being the best. ney eat itle in proportion to larger fowls, and
 have a few duckg. Their appetite is such that




## FARMER'S ADVOCATE

cooling mile por butter making. During summer the milk as soon as it is rawn frum the cows should be cooled down to a temperature of $60^{\circ}$ to $62^{\circ}$, and hiss telmhisug. Tuaccomplush this there should be a spring of pure cold rummeg water at haud, ahid tanks shouid be made to noid the mulk white
 to be skimmed, unless it canu chberwise be kep Ocauge Cuunty, New York State, which is tamous for butcer, tue plan adupted is to have menes deep. 'Tuese tauks are constanuy sup. phied with cold rumung water, which can be conducted by pipes so as to ruin tirrough sereral tauks, each elevated enougin abuve the ofiner in gradation to give a very gentie flow Irull the haghest one down to the lowent. The muk as soon as drawn from the cows bo placed in lovg tum pans, whuch are at once praced in the tanks and remann there thll the creams nises, wimch usualy takes fiviu 12 to 2 A upou the state of tue weather and richness of the mulk given by the cows.
The butter makers of that portion of Pennsylvania where the celebrated Phuladelplitia butter is made, construct sprug-huses with cement Hlours, over which water sis Howed, any
the wilk paus are set on the floor. Narrow elevated plauk walks are arrauged so that the attendants can pass among the pansis to haudhe and remove them for skamm, or sethug. The plan adopted there is to take oft the firs: cream that rises within twelve hours, and set that aide for the manufactur of the very choicest butter. The crealu that rises atterwards is not equal in quality to the first, and is kept separate, to be made int ter made from the first cream brings $\$ 1$ pes ter made the ther a less price.
It cream is left too long on the milk, or becones in any way tainted or soured, a first-class article of butter cannot be made, as decomposition has then auready set in. Really first-class, well-wade butter should retain its sweetness and tlavor for months, while, as ordinarily ?uade, it loses Havor and begius to turn ranclu in a very short time durng warm weather. The crean is churnen at the same temperature it is kept at $60^{\circ}$ en $64^{\circ}$. In churning, the iulter should not come in less than half an hour after commencing to chum, aud the muHon of the churnmg 盆ust be kept steady and umifurm. It it comes too quickly there is a less quantity, and generally miferior in quality. Whe best Orange Combly butter-makerib have fumd from long experience that the process of charming should occupy 40 to 45 min utes to eusure the best quaily and largest yould of butter, and that it is better to take ahl hour 14 the process than to have it come in half au hour. They are very particular to use flly cenld, pure spring-water in washing the coutact with it during the process of making
up. hearing chiciens.
The following rules to eusure success in raisug choice fowls are given hatched keep the hen and chicks in a clean, warm, dry coop. 2ud Du not let the chicks get out of the conp in the from the grass. 3id. Do not let them out at all in wet weather. 4th. Give them clean food and pure fresh water, which must be re-
newed at least twice a day. 5th. Do not let theul have access to slops, garbage, or dirty water. 6 ja. Let them remain quiet and undisturbedas much as possible, and make the coop so that they will be rat proof at
Lighlit.
orib-biting anong horses. This ugiv habit is most common among
horses that are kept constantly stabled. At horses that are kept constantly stabled. At
first it is merely a habit provoked by idleness, first it is merely a habit provoked by ideness, and hence is most frequenty found in horse exercise. In turn it becomes eventually a disease that is almost incurable, and very provokingly destructive to all the surroundings of the horse affected. It is also very apt to become catching from one liorse to another where they are stalled tygether, or if a horse is in close enough proximity to a crib-biter th hear him tearing away with his teeth at every Ching within his reach. It may be cured taken in its exrly stayes. Bused us high feeding comitan of suticient exercise, any substance und want of sufficienulaxercise, horse's stomach will be beneficial. A lump of hard rock salt kept within reach of the horse at all times while in the stable is very effacious in stopping the practice of cribbing if it has not become habitual.
If this does not suffice, add a large piece of chalk, and wet the hay and oats fed to the horse. Give such medicine as will keep the digestion in order; good ventilation in the stable and regular daily exercise.

## From the Prairie Farmor.

## Patrons of Husbandry.

## re-organization of the

According to notice the Masters of the sub. riuarate Granges of llinois, to the number of went, assembed at Dixon on the supse of re-organizing the State Grange.
In the held, at whicin a general interchange of views was lad, and the members posted themselves
in the workings of the order as explained by in the workings of the order as exple
the Secretary of the National Grange. At the opening of the mornng session, the conmittee un by-laws being ready to report
uresented a code of by-laws, which were first uresented a code of by-laws, which were hirs
cead entice, and thin discussed and voted upun by section. As finally adopted
Grange the by-laws are as follows:
titule.
Article I. This Grange shall be known and
distinguibhed as the Illinois State Grange, and in all its acts shall be subbect to Che Constitu
in
ion of the National Grauge. ion of the National Grange,
Arr. II. The members of the State Grange
shall be the Mastere and Past Masters of the
Suburdinate Giranges of the State. ARr. III. This Gringage shall hold regular
Arat vecentiber, at such place as the Grange may
by vute decide at last aunual meteting.
speneial

 Art. IV.
Arrum for tue trausaction of buainess.
Duries ur
Arr. V.--Sec. 1 . It shall be the duty of the
Master to open and pre ide at all moetings of he Graige, and, in conjunct.

## sec. 2. The duties of the Lecturer shall be such as usually devolve upon that officer in a

 Grange.Sec. 3. It shall be the duty of the Overseer to
assist the Master in reserving order, and he
shail shall reside over the ir .nge in the a absence of
the Master. In case of a vacancy in oftice of
ho Ma, ter, he shall fill the same until the next nunal metil y .
Sec. 4. It shall be the duty of the Steward to
have charre o ot tue inner gate, and to preside
ver the tirane in have charge of the iuner gate, and to preside
jver the (irange in absince of the Master and
Uverseer.
Sec. 5. The Assistant Ste ward shall assist
the Steward in the performance of his duties. SEc. 6. The Secretary sh.1l keep an accurate
record of all the prucedings of the Grange; Grange; kiep the accounts of the Subordiuate Grinnes with the state Graige, receive and
pay over to the 'lreasurer all moues, and take areqeipt for the same.
SEc. 7. It shall be the duty of the Treasurer
to receive all moneys from the hands of the

Secretary, giving his receipt for the same ; to
keep an accurate account thereof and pay them Leep an accurate account thereo, and patine the
out on the order of the Master, frrst gettig the
onsent of the Executive Committee; he shall onsent of the Executive Committe; , he shall
 monesy, books and lapers pert aining to his
office, and he ohal give bonds in a sufficient
am unt to secure the money that may be placed m. 'unt to sec
m his hands,
he Master.

Skc. 8. It shall be the duty of the Gate
eeper to see that the gates are"properly guarded ellections.
Arr. VI. All elections shall be separately, by
ballot, and a majjrity of the votes cast shall be nallot, and a majority
necessary to a chice.
Art. Vit. In cabancies.
Arr. VII. In ease of vacancise caused by
death. , Vemoval or resignation of any officer elect,
he Master death. Yemoval or resignation of any officer elect,
he Master may fill such office by appointment,
or the unex yired term. or the unex pired term.
Art. VIII.-SEC. 1. All Committes, unless
therwise ordered, shall cunsist of three mem. otherwise orderect, shaul cunsist of three mem
bers, and thall be appointed as follow swo
members by the Master and one by the Overseer.
Scc. 2.
mi.te on 2. At the regular annual meeting a Com
shall be Finance shall be appointed, whose duty eing paid. To them shall be referred the reponts the Secretary and Treasurer for examination.
SEO. 3. At the first annual meeting an Execul ive Committee of six members shall be elected
(y ballot, (of which the Master elect shall be pn
ex-ofticio" member,) three of whom hhall hold "ex-öticio member, three of whom shal hot
heir oftice for two yeara and three for oule year
heir several terms of service being determine their several terms of service being determine
hy lot. and at each annual session thereatite
there shall be chosen threemembers of maid com there shall be chnsen threemembers of said com-
mittee, who sh ll take the place of the retirin.
meirbers. The duties of his committee shall be confined to businesss, and during the recess of
the Grange they may suggest or adopt buch regulations as may seem necessary
for the welfare of the Order.
The Master and Secretery shall call a meoting
of the State Grange, as provided in Artic e III of these By-Luws, upon written request signed
one
annoal yb
Art. IX. The Annual Year. of this and Sub ordinate Granges shall commenco on the fingt
day of January, and end on the last day of
December in each year. December in each year.
Arr. X, The SUAREREtary hall see that the
uarterly dues of Subordinate Granges are promptly paid; and in case the dues remain
delinquent two quartors, the deliuquant
thang shall be revorted to the Master of the Stane $G$ ange On receiving such notice it sha 1
Ot ane e the duty of the Master to warn the delin.
uent Grange,and if tho dues are not forwariled
 grange.
Art. XI. Anyy Grange. whose chartor has
Grase bean revoked may appeal to the state
 reinstatement, and the
power to reinstate such Gra
penalty as may eeem just.
withdrawal and tranafer of membrrs. Arr. XII. Any member of this Order may
filitute with a Subordinate Grange by presentHing a demit, showing that he is a member in
ingod sianding, upon a vote of the Girange cceiviug such petition.

Arr. XIII. There ehall be appointed by the
Master of the State Grauge a sulficient number f Depulies, whose duty it shall be to orgauiz
sew Grangea, on ayplication laving been made Lew Granyes on alphication having been made
to them by thise desiriay such an organization,
to instal ofticera of Grances when the same have o instal officers of Granges when the same hav
eeen elected, aud they shall be vigilant that been elected, and they shall be vigiant that "in
lisorder shall obtain in the Granges under their
 reetive, for organizing new Grasges, the
travelling expenses and five dollars additiona for each day's serviec actually necessary fo
the work. No other Granges shal hereafte
be recosnised except those orgnized by be recoynised except those orgnized by
Deputies appointed as herein specified, and
Masters. AúEndignts.
Art. XIV. These By-Laws may be amonded
or revised at any regular meeting of the Grange an vote of two-third oi the members present.
The cen The cons.derat.on of these by-laws occu
pied the attention of the Grange during the entire morving session.
The atterno on of the second day was em-
ployed in general discussion of the aims of the ployed in general discussion of the ailus, of the
noder, a : id in perfecing $m$ mbers in working
the ritual, aud other secret wor kings of the order.
On
On

On motion it was Resolved-That we desire the National Grage , at itt next meeting, to
change the Constitution of the National Grange
that officers of the State Grange shall be ected anumully: and that until such chanye is ade, we, as a State Granye, request a dis It was also Reverved-That each and every member of the State Gianse be hereby instruc
ted towa certain, at the next meeting of thei ed to arcertain, at the hiext meeting of their
respective suburdinate Grauges, how miny and respective suburdinate Grauges, how simy and
what kiuds of ayriculcural implements ar
wanted soon by tuer menbels, the manne wanted soon by tuels menbers, the manner
n which they ean pay for theur, and that they n which they cat pay fur them, and that they
report he same to the Master of the State report the same to
Grange, that he may order them if they so desire, otsh or approved notes to accompany In explanation of this resolution, it may be
said that masters of some of the suburdisate said that masters of some of the suburdinate
Granges bad been offered for their nemb.r. Granges bad been offered for the ir members
unplements at as good a dicount as masuliacmplements at as good a dicount is
turers allow to their regular agents. It is a
and movement to favor menbers of the order who
desire to do away, as much as pussible, with desire to do away, as much as pussible, with
middle-wen, and to reap the benefits of direct middle-ulen, and
dealing with maiufacuurers.
dealing with manuacturers.
Trathe meod feeling was oue of harmony and gen-
enthusiasin was eral good feeling, and much enthusiasm was
exhbited in furtheing the sprad of the order, and iu securing the ubjeets for which it was estabiisherd. As will ce noticed, the Granges
as yet are confined a most exclusively to a few as yet are confined a most exclusively to a cew
countilise of the State, (several Granyes at ab counties of the state, several Granes at an
distance were not re resentel), but interest in
the watter is very rati the watter is very rapiuly sprea ling, and there
seems no doubt but, with a continuance of the eress no dout ont the part of those councted wilh the oder, and wise counsel in its manasement oth here and in the uther States, that the
wurk of unitiue the producing classes will proWurk of unitiuy the pruducing ciasses wit pro-
bress with a rapidtyc. cmunusurate $w_{1}$ th the
mportance of the movement. mportance of the movement.
In this connection we publish the following piea for organization among farmerb. One of the distincuishing features of the
present, as cunpared with former times, is the present, as compared with former limes, is the hess to a.sociated effurt.
Organization is the watchword of every en-
orprise. Organized effort builds railroads, terprise. Organized efles en entrols Legisla-
cstablishes steamship
lines, cont
 the "powers that be"-d ses every thing. Indeed,
short of an actual usurpation of Sapreme
 sperulator, and indeed every class of nen with
whom intelligence is the meving force, have whom intelligence is the meving force, havy
not been slow to avail themselves of a power which, collewted even frum feetle sources, is,
when agitated, well nigh irresistible. when agitated, well nigh irresistible.
The arriculural interesta alone,
furnish au except:on. Tue lusuandmen alone
have not mantested.
haver have not manifested the diapositim, if they
have possessed the p,wer, to urganize. Tiicy
have boen have been the betars who have received the
crumbs that have fallen from the tables crumbe that have fallen from the tanles of
others. The source of all wealth-ihe only pr ducing power in the whole category of in
teilligent torces, they have with wurprising
hamility and unpar. llleled meekne ss, accepted humility and uppr.illeled meekne ses, accepted ciousurps of those whim their industry has
supp rted, have deig.itd to bestow. ${ }_{\text {in }}$ Like supp sted, have deigud to bestow. ithe
the dairman's cuws, taeir diet has heen scant or geutrous, acc rings as the intelest or
necessities of the masier require. The chief eye has been to the prouluct, and it has not
answerel quite to kill the ose thitt lays the golden egry. What wonder, hene, that thie
caties and reponibilities of tie farumer have
chate chies and respon ibilities of tive farmer have
been accounted servie arther than tnothin?
What wouder that the inteligat What wouder that the inteligent and enter-
prising youth has fled trom Hellin f om a wondaye The refisement and respectatianty
of the class liave been brought to it, at least o a great extent, by those who have come
roon other cuilugs, and who have allopted agriculture, not so mucch as a nenns of pr fit
and a res urce, as a node of spending an elogant lisisure and enjoying the wealth acquired The superior intellis once which any of the blought up in it, have shown, has been de-
veloped in spite of its disadv intages, ruther veloped in spite of its disadv natages, rather nin under its stimulating in fluenees. Mow
ever much the agr cutural casses may be vide the subjects of comp imentary phrases
mod fattering designations, this is too palpaand fattering designations, this is too palpably true to be gaiusaid by any intelligent and
observing farner. The farmer has iltele to
do but to grub and to plow. He seldumater exaes his work except to go to market or to
niill. His grain is roceived at the elevator,
 His suppheses are epasised ver to hium for cash
or on credit, with the invariable per cent. of or on credit, with merchant's hieruglyphics do
profit which the meveal. His implements of husbandry
not quest adis

##  







 Hhose capasilitis are acaudated as men colleuh


 Dositionsot eminantut sefaluess and wice in
 ing sume other busiluess in in prosessilional life.,-
The thorough divintegrati in of the ciass a: the difticulty of brinning any enlightering and apely illustrated at the recent convention of
represenatives of agric - sayo, where it was seriously disconssed how
wais possible to bring the resulto of the wort was possuble to bring the resultw of the work
of these institutious, esp cialy in the exper
mental field, to the knowledgy of the agr.cul tural masses, whom they were designed
benefit. And this is a real difticuity. and present is not possible, except to a ve y im-
peffect degree. We ask. where is the reunely
 in embrace and touch the masses ; an Oreaniza tion on a plan so c, mplete and comprehensive
th it its ramifications slatil extend to renuru nelphborh ods, and include in its nembershij,
the honeat and moral husbandanen, of every degree of intelligence.
The order of "Patrons of IInsbandry" is a this kind. Tuese plans and purposes are unt covert, but are open, to be "read and known
of all men." Thoy can be easily examineil and understood. What of good there is in them is las open to
evil is not concraled.
Are the requisite eleraents for such an
organiza ion to be found iu the aricuitural clase? Many farmers of the best intelligence hopefully atfirin thyy are. O hers, most pissThis novement undoubtedy partakes of the outerprise has not? Yet even as an exper Ment, it offers possibilibies as large and in
viting that we may woll take coussel of ou hopes rather than our foars. It is only jua so ad that those who have examined the
workings of the ordor moit tlorsughly, and have had the best opportunities of noting it moest hopeful of its success and expectant
its benefits. The se ret of its power for go lies in the single werd organization: whether its efforts are to be directed to the collection
of facts, diffision of i , fromation, mental improvement, resisting combinations, cheapening
of farin supplies, intr diction into neyhbor hoods of inproved at tock, or to whatever ol-
ject, organization is th antec."dent of suceess.
how the sotity americans make fruit $\underset{\text { (1871), says:-" In }}{\text { Darin, in his "Chiloe, thate int inhabitan tit }}$ possess a marvellousy yhort method of making
an crchard. At the lower part of alnost every branch, small, conical, brown, wrinkled points project:- -these are always ready to chauge in-
to roots as may sometines be seen, where any mud has been accidentally splashed against a ree. $A$ bransli as thick as a manis toff jut beneath a group of these points; all the sunaller bred about two feet deep in the ground
placed aring the ensuing summer the stump throws During the ensuing summer the stump throws out long shoots, an one which had produced as many as twenty-three apples, but this was hought very un ded (as I have myself set $n$ ) the stump is cha ged (as I have myself ge, n)
into a well-wo ded tree, loaded with fruit.". LLearn that happiness is not outside, bat clear conscience bring happiness, which do.

## Comrcsponicerce.

## Fabmer's poittion. Sir,-In wy lebler on * ' Faimers' Clubs

## Sir,- In my leter on "Farmers' Clubs.e. priuted in this muith's paper, you make nie

 say that tixe general quatuyy of seeds sowed uave veen iwo bushels of mused seeds per ten have been two bushels of wixed seeds per tenaures. 1 have beea quizzed awout the quan-
ity I

We have examined the communication
you refer to $;$ you have written two butbhels you refer to; you have written two bindels
to ten acres: the mistake was made by the
printer. We have been so overwhelmed printer. We have been so overwheimed hings, that we did not read the proofshould have are highty the pleased that you handled the question so ably. It is our
hmpression the publication of your articles under your own signature would be rath

$$
{ }^{2}
$$

machine on the brain.


 vportuisities, of social enjoyment than any
viser class." Nuw, if ues gentlewau wh


 I iversou may live for years hext door th1
Hilutier anu never see then or visit themu. 1
Kauw tiis frum experience ; I lived once next
 y migit even. This I would not call mueth
cial metercuirse. What would we say of a aimer wino ived en an adjoining lot to another
oi seven montias and or seven montiss and never saw hillu or has
anniy? Why, we would cail bilu a very
 uning harder ; but this case is not the excep-
ton, but the rule in large piaces. Agann, it a 1on, but the rule in arge places. Agann, 112
arrmer or any of his fumily are sick, he gete armire attentun pald to him than any othen
ind
uids of wen eitlier in city or counury. Again, cias of wen euther inctity or country. Again,
it the fall mid winter montis there are a
fret reat maiy pleasait parties, \&cc., \&cc., which
freat will tarely tind cqualled in towns, yuu will Larety find cqualled in towns. I I also
wake txeption to the causes he aileges for wake teception to the causes he aileges for
r hat he brings furward. What difterence vald it make to a farmer with a good tean
souid
ond d a and a good read before hum, whether the place io was ging io was one nine five distant
lin fact, tiere are many winter evenings ferson would rather urive the latter distanc
inson Chan the furuer, if for nuthing else but to
uxercise his horses, which generuily stand to axarcise his horses, whing the winter. Again, ae says: : While they work halder than any
wher class, thiy erivy less of tue comforts and plean absent the farmers, wurking harder than
inim abour class. 1 know we liave to work
sny other shy other class. 1 knuw we have to work
hatd durng the busy season of he year, anu
make loug hours in hayiug and harvestina. suke loug hours in haying and harvesting,
vut, winh the exception of about two nonths, I hardly think the tarmers work ou an average
ten hours a day thrugur the whole year; and if faruer is pretty weil off, he need do but
iittle manual labor, if he nouks after his busiuess and uses lis head a little. If this gentle
nan, who writes abuit the bard work of faraisn, who woes of the work in mines ami
mers, sam some of
ubier places, he would be apt to change his vhier places, he would be apt to change his
opiuiun. I saw the nurk in a large roanvork onee, and could hardiy thiuk it pusible that
wen could stand the heat and labor I saw tere. Indead, if you take all, or nearly all, of
the classes who make their liviog by manual the classes who make their hiviug by manual
labir, you will hardy find another class that

 not refer to them again. Now, what dues
comfort consist int 1 siould think in having
plenty to eat, druk and wear, and having a plenty to eat, drumk and wear, and having
kood house to live in, warm in winter and cool in summer, and nut being troubied about the
inangei and fluctuations of trade, I think changes and fuctuare with me that the farmers, as a class, elroy more of the abuve com-
mort forts than any other people in Canad.
tradesman is nut sure uf wurk from cne day to another, and when out of work his means
living cease if he pets sick, his wages ar stopped, and everythir H is ooing out an
nothing coming in. How different with
farmer! If farmer! If he is unwel a day or two, or
wishes to take a holid 1 y, his wheat does not
 N., Mr. Editor, I the the some one better
qualitied thau thyself had better take then qualitied than mysielf had better take thit
question up, and give thirir ideaa upan it. questiou up, and give their ideaa upon it.
hope to see a gocd article on this in your next
number. - remain, yours truly, number.- 1 remain, yours truly,
Brantford, A pril 1 kt, , 1872 .


#### Abstract

Sir,-All must admit that we live in an age of pregress, ind that the last half century reat progressive age. It is but natural to  you will agree with me that wor which is the noun of steam as a motive pow princupal cause. carrying thade all over the world, by land and sea, and the various Tanu facturng establishments producing articles of racturing estamfort at a rapid and cheap rate, uility and come und the prinung press, tine great civilizer of the world- -alithese delive their great inpetus tronı luqure of the application of steand power can- nut be nut be applied mure directiy to aid the agricul- turist ? if it is used as an economical power ior the purposes before nanued, why not for agricuitural purposes generatly, teaming our wayyon rcads, ploughing and cultivating our lands mowing No:n, sir, ny opinion 18, some simple appli- cation is needed, and we will do our tarn caton, is needed, and we will do our farm labour much cheaper with steam than with labour much cheaper with steam than with aanual force. If the various agricultural sucieties of our country would offer premiums sucieties of our country woutd offer premiums sulticient o iuduco genius and talent in that directien, 1 have no doubt in a short time it would be accomplished. Our Provincial Agriciutural S ciety for some years past oftered $\$ 100$ premium for the best steam plough on $\$ 100$ premium for the best steam plough on extribition. As yet none have beenr produced, and ne great wonder, for thent and gentius and not be expected to pmduce such an article as would be atapted to this country experimentimg. that men of gen  experimenting win early remuneration


I woul suggest that the various Agricul-


 ing,
agriculturints will be the gainers, though they agniculd offer atheavy premium ; if not, they
shouvd nothing to pay towardur it. -Yours for
have
"Old Subscriber" may have some good
object in view (and perhapss may have
pathe on the brain) that he would like to see perfected. Having heard more than is contained in his communication, we will
tell you his hobby. He wishes to get up a stealu engine to propel itself when neces
sary, to plungh, drive the reaper, and do all that labor now does with a syan of
horses; and also to be used us a stationary engine when required. His engine is to turn round on the ground it
stands on, if required; it is to ascend any hill that horses can, and descend as steadily. The ecomony of its workings are
estinated, and a farmer is to go to church estimated, and a farmer is ong to church do all kinds of work cheaper than is now dune by horses; horses are to be displaced by it. There will probably be plenty of
our readers who will scout this idea, as invariably every new invention or improvement is sure to lbe decried by the mass; and some one poor solitary individual has to labour and toil, $\theta$ fon despised, ridiculed, and called crazy, a forl, an idiot, up and used by the very parties who have decried them! If a good premium was
offered to aid such, we think the public offered to aid such, we think the public
money might be oxpended for less useful money mig
purposem.
shut in wheat. Sirs,-In the January number of your paof batt smut in wheat, but he says nothing abot the way of preventing it. Having had xperience in this master for several years,
send you ny recipe: - Make astron brine, and put it in a small pot on the fire; then put
in blue vitriol; let it timmer till the vitriol is dissolve vitriol; then let it timmere ptepared brine on the
vilieat and let it stard Wheat, ania let it stard sonne time, not less whan 24 hours, It will not injure the sound
wheat; the damaged grains only will turn
hlie. Just cover the wheat with tle Si.e. Jound of vever the wheal wis winoth thit the brine.
of wheat. I see but little smut in inthels this cols try, conpared to what we had in in treland.-
There we never sowed our wheat unless phere we never sowed our wheat unless pre--
pard as above, and I never saw one head of
snuut in whieat, the sead of
 ITreadwell, April 10,1872 .
but in wheat.
$\mathrm{Sin},-\mathrm{I}$ send you the result of a trial I
made to test a preventative of sinut in wheat made to test a preventative of sinut in wheat:
I took some good, cleail wheat and rubbed it well with sunut; I then dividid it into three portions. No. 1, I bowed dry; No. 2, I wet
with water and dried with linue; No. 3, I
soaked in witriol soaked in vitriol (sulphate of copper). 1 mows:-No. 1, the half of the product wam 3, there were only very fer grains aftected dry, clean wheat, which produced no smut.

trativa of sheds.

Sir,-Please send me thie MeCalling wheat am you offer to present to your subseribern
am direetor of the Acrionltural Sooiety of lhis township. I encloses the necesarary am-
tont, and wid carefully test the wheat and end younthe report in the fall.

amiculturair rair.

Sir,-The first fair held in this village, for The saie of agricultural stock, grain, \&ec, was
held to-day. The weather was not favurable, held to-day. The weather was not auvorabui,
and, consequenty there wan not much busi-
ness done. There were a gool many catile ffered for sale, but, owing to the scarcity of
eed this season, they were not in the best ced this season, chey were not ithe changed
Condition. However, everal cettlo
hands at fair prices, and also some sheep and hands at fair prices, and also some sheep and
hordes. There were several thorough-bred and grade bulls on the ground. There was that there would be at fairs longer established but every undertaking las its first day, and success follows perseverance. We hope the the county of Northumberland
Warkworth, April 10, 1872. Jas. Carios.

## batale rovah.

SIR, - Last summer here was so dry that
the crope were next to a failure, and most of the crope were next to a failure, and most on
the farmers contracted debts. Hay e culd not
 their spring crep. Thim season, I truat, will
not be as bad an the last. Tros. OUDDIS. Morth Kopple, April 6 , 1878. $\}$

## NAKIVIELKS ADVOCATE.

Rouen Ducks.
a variety of ducks, easily reared, ac compart, with fine flavored flesh, color and form, is wanteu, then tie tnorough-bred " as truly perhaps as y other, though unquestiouably nothing buit a common puddle-duck improved and bred to a great size. The distinctive qualities of the rouens with good degree of certainty
This variety of ducks is brea by fanciers to the utmost nicety as reyards feathering. To meet the requirements of the stand, and the lue, in a profile view, nearly sit from base to tip, on top. Colo iver mandibles pale gree nish yellow thus a broad black spot at the cip.white, and sharply defined, extending cly around with the exception of
vue-nalf an iuch at the back, where $t$ vue-nalf an inch at the back, where onut or claret of the breast should be are sometimes a for intrunng feathers ii nuother nue, but We will not enumerate
$t$ tio $y$ ant hic various other ats of the urake reinca by the stand-
", having merely Cuhuving merely


ROUEN DUCKS
Once on a time, I was in one of the New
England States, and having sold a purcel o
land land 1 held there, the purchaser stepped int hotel where I was, and had a deed made out, which I signed and acknowiedged before a
Makistrate to be wy Act and Deed; it Mapistrate to be wy Act and Deed; it was
hen recorded. Ali this was done in less than
 Magistrate’s Fees, 124 cts., aud recording,
cts.
At this rate mys conveyancing would
amount to only $\$ 215.63$, leaving a balance in my favor of $\$ 1659.37$.
I asked about their State Legislature. They cave me a pamphlet in which read as torchants, physicians, and mechanics of various
trides, 86 . making in all 251 members in the House. What a difference in the two Paria
nents! I go strongly for more farmers in the House.
P.S.-I have tricd to make a statement on making laws for us. but my health is so poor hassed through 76 hard winters, and am now passed tebrough If you can pick anything out
quite feat heo have written worth pubishing, do
of what I haver
so, or consign it to the serap basket. I am
their wisdom, prefer to return men whose in-
terests lie in an entirely different direction? terests lie in an entirely different direction?
Most of our members, whatever their merits
in other in other respects, are totaly ignorant of matunable, if willing, to forward in any way the
farming interest.
We do not ask for exclusive or class legislaFarming interest.
We dor ask asclusive or class legisla-
tion, to benefit us at the expense of the commercial or any other part of the community,
but if the public but it the puiblic money has been advanced
for the benefit and improvennent of the towns and cities, for the promotion of mechanics' in stitutes, , cc., then I think that farmers' de-
mands for assistance should not be overlooked. The drainage of the land is a natter which I
think should receive the attention of Giovern-
ment, and every country member ought to ment, and every country member ought to
pledge himself to give it all the sunp 1 it in his pledge himsefr to give it alv the sunp,1t in his you will not allow your reader,' interests in
tiese maters to flar, but will keep then weil wiese matters to flay, but will keep thenn we
posted to the day of election. W . K. King. posted to the day of election.
Purt Robinson, April 16, 1872. alsike clover.

## This plant has long been extensively

red clover. It is also excellent for the
honey-bee, equal to, if not surpassing, the whit's clover. The first cutting prouuces rage, but, if pre'erred for hay and no seed it produces two crops. With the know
Iedge $I$ have of it, I would no ledge I have of it, I would not recommend
it for light, yellow, sandy soil."
[Wo are not able, on our authority, to
speak of this as of other crops that we speas of this as of other crops that we
recom nend. But the work from which we take the extract is of standard authority. We would advise some of our prac-
tical farmers who have tried it to give tical farmers who have tried it to give us their experience. Give it fair play-clean
ground aud careful cultire.-Ass'r ED.]
gge or small hogs.
Under this heading we find a long article in oue of our exchanges, the Kural IIome. It is a subject well deserving the careful consideration of our farmers. We make s me extracts, condensing the articl
and ma'ing it more snit:ale tor our co This plant has long been extensively $\mid$ umns. The writer says
cultivateg in Europe, where its great value
things we would
consider in discussin as they are the liecessiury to be luecessiry to be
$1 u$ num by beris, especially purtuasimg. The
o vu willin tue - un winch tue is most apt to
ct the neeck, which a ive tree trom i. ve free trom
iot tige of the
hing of her mate thb ur her mate, wi tue buly and
 of marked diswith a rich,
urowu pencillug. cut exhinuts very uly the various as ut plumage. - Cubuse the Rou-- worki, buth tur
huoks and tur uscrial quallities; We aumat that
are onuer tiue
"ines. A Rouen
-il fill plumaye
its some of tue
wuru by auy bord-particularly at
we because so varred-delicately
ive because so varied-delicately cu in some parts of the body, buld
lear in uchers, dusplaying so many Lear in uthers, displaying so many
feaule hues, aun upus the wilig marks seade hathant copors. And when we on utiluy, ws thesh is the principal
t , ho utner wreed of ducks can excel
can procure from a first-class stock eges frim these tine birds, to supply
whu get up ciubs tor this paper.
farmers to parliament,
n, -1 am pleased to see that you advo-
c.ie primicipue ut sendug mure la mers Che principet ut sending mure la mers to hevilul. I knuw fiom my expeatuce al busi-



 abuav 3io Deeus of Gulveyauce, ranging in
 ${ }^{\circ}$ det rate ior a $D$ ced-copy and recordng

well pleased with your paper and wish to con-
fiuue it. I do think a yeed may be made for
 Deed is as useless as two hats to wear to
hurch. Paris, April 22nd, 1872.
Sir,-I ampmers' politics.
Sir,-I am glid to see that you draw at
tentum at this time to the avove most impor tants subject, reminding farmers uf the near
approacli of electuon time, and urgiug the pe cepsinach of election tume, and urging the pe
cendiny more agriculturists to Pur-
lianent. liament. This is the best motto farmers can adopt. i an af aidid it is too tue that although
all otier interests in the courtry are cared ior and prot cied, the farming interest--ared nos impurtant-is alno, t enurrely uure presented our Legilature, and yet a great proportion of our members are returned by farmers.-
This is a most absurd state of thugs, but farmers have the remedy in their own hands if
hey think pruper to act. It is fur them to they think proper to act. it is fur them to
deide wheulier Canada is ever to becouse a thrining agriculturad conuutry, or meroey a
highway for the colwmetcs of the Wesiern highway for the columencs of the Wesiern
States.
Surely there must be among the Onurive a sufficicust number of intelligent nee to represent uur interests in Pari iament., and
who are willing to devote their time and anerwho are willing to devote their time and ener-
gies to the cause. How is it that farmers, in

Its culture in America is of recent date ; $\mid$ number of pound but as its good qualities have become more ou the coutrary would would weigh, but known, its culture has largely increased. on the contrary, would select as most pro-
fitable the hog that represented in every A "Western Agriculturist," in the $W$ estern
Rural, writes :-"About a year ago last Rural, writes :-"About a year ago last Early maturity and quick fattening pro-
spring I hesitatingly purchased enongh of
the Alsike clover seed to sow turelty the Alsike clover seed to sow twenty five in our selection. Our aim should be to acres, at the rate of four and one third
pounds to the acre, at $\$ 1$ per 1 b . I sowred spring pigs in the market bate in
the fall, and carly in the winter, and our pounds to the acre, at $\$ 1$ per lb. I sowed the fall, and carly in the winter, and our in the month of April, on ground prepared
for wheat, and with it. I harrowed this
spring. ground, and atterwards plaitered it. Not- breed of hogs would give the largest re withstanding the dry season, I cut from turn of pork for each bushel of feed conthat ground about forty tons of hay in sumed; and should select the breed which
July. I drew into my barn five tons for
we believed we could put into marke July. I drew into my barn five tons for
feeding; the balance I stacked, and in
we bed we could put into market at
the least cost per pound. We do not be September threshed it, and got 85, bushels the least cost per pound. We do not be-
of seed. Before cutting, I brought till be found profitable to feed for of seed. Before cutting, I brought in some
stalks which measured four feet in lenth.
the greatest weights in any instance. -
Every farmer stalks which measured four feet in length.
The field no which it was sown is high
Ehormer knows that when good
she first putinto the rolling land ; soil dark, sandy loam. I am they make a rapid increase in weight for feeding this winter my entive stock, horses they food they cunsume. Feed them liberand cattle, on the hay that was threehed. ally and one can almost see them grow.they never thrived better on any feed than
Atter a while, however, on the saine lib
the they do at the present time. It is free eral food, their increase is less marked.-
from fuzz and dust, and the stalk, unlike the other clover, remains green after the fe first their shoals made a gain of eighteen seed has ripened, and the cattle seize it
with an avidity that would plainly vin. with an avidity that would plainly vin.
dicate its superiority over consumed; ; and yet we do not believe
seazon is better than from 5 to 8 pounds to a bushel of feed consumed, because many
are fed too long in the anxiety of farmers are fed too long in the anxiety of armer:
to secure heavy weights. The feeding operations should cease the m"ment the animal is in good condition for the market. Then this farmer may expect a fair re muneration.

## Flowers

Our first importation from Holland direct arrived since the last paper was puthished it is not a large stock, and is intended Gladioluses and Lilies of fine varieties.We will selid a choice, finely-colored Gtahady sulbscribers who have thaid of oun and have not received any present,
 portugisty offered of getting presents in gain lion month, and mary availed them selves or it.
who sends us $\$ 1$ for a new year's subscriptiol to the ADVocate during the prest nt montl, we will send one choice Lidy Bult, or two
Dithia ©uibs, or two Gladiulus Bulbs, or Wiscs Floral Guide" and a packase of choice flower seeds, or a grape vine ; also,
o the lady who obtains ten new subscri. bers at 黄道each, in addition to the Advocateran the presents to each as atove
stated, we will send (postraid) one of Vick's beautiful and handsome Chromos, which cannot fail to please, as theyare experedingly beautiful. You may add gentlemen's naues if you choose, aud,receive the flower seeds
and bulbs, or the gentlemen may have field seeds, vegctables or potatoes sent to

## ladies!

read the above. Can ynu employ a little into your neighbourhood the choicest and most valuable sceds for the farm :-such as flowers, which always make home attractive, and render it more peaceful and
more heaven-like?-and liy the introducmore heaven-like ?-and ly the introduc
tion into your homes of a paper that will wot taint your morals, with your different religious feelings, trie to avoid political strife, and is furnishing the most valuable informatin concerning giving amusement to the young and informatiou to the old? After the first year you would have seeds and piants of ead
kind for every subscriber, by exchanging We feel satisfied that some gray headed old lady or gentleman will say to one of
the children or grandchildren-" Yes, my dear, go and try what you can do ;" the
result will be- "Mr. Weld, I have succeeded in getting up a club; ; please senc seeds, for so-and-so." Just go and try If you do not gain a pair of the Chromos, or even one, if you oll send three or four few flower seeds that will please yon. Now is just the time to get your flowers.
Go to work at once. Send your orders in Go to work at once. Send your orders in by the 20th of this month, the un you can will probalily have a better flower garden in the fall than those who planted earlier In ur list will be found a collection of the farmers' sarden-such as do not require a hot house, but will thrive with common care.

## rural life.

Statist co teach us that farmers ive ling ives than any other c'aws who perform labor: longevitv only by these who work with th
brain occasion ally, as preacliers orators and
 nent a d the general reedom frow annpwin might $b$ come ratatively the most enduring, did
they exercise care in choosing heir d et and in presirving the meselves from sudden chils durin
the most try ing seamoon of their labor, that of
harvest. It tis then that most farmers contract harvest. If is then that most farmers contract,
diicounes which are cooner or later fatal to them

SUMMER FLOWERING BULBS.
brillia Summer Bulls are a most useful and |destroyed ly freezing, and must not be every year more flowers, and becoming planted until foost is wer in the spring, Horists and amateurs everywhere. The hefore very hard frosts, and kept in the Gladiolus now takes rank at the very head $\begin{aligned} & \text { ceflar or some other safe place tutil sprinis }\end{aligned}$ a good share of its old popularity. The they are easily preserved in good cond
Sion will richly repay for the littl Summer Bulbs are tender, and therefore $\mid$ care required in their treatment.

gladioles.
The Gladiolus is the most beautiful of $\mid$ and the rows one foot arart. The plant our Summer Bulbs, with tall spikes of
flowers, some two teet or more in height, ling may be done at different times, from flowers, some two feet or more in height, to secure a long succession of bloom. -color-brilliant scarlet, crimson, creany stake to support the spikes in storms white, striped, blotehed and spotted in have never known a case where the Gla the most curious and interesting manner.
The culture is very simple. Set the bulbs falled tn give the most perfert satis
fartion, onening a new field of from six to nine inches anart, and cover those unacquainted with its merits. Fir ahout three inches. If set in rows they in-door decoration, such as ornamenting

hlitem auratem.
it is unsurpassed, making a magnificent
display with little troulle. display with hittle troul, Ile. In the tall,
take un, the bulbs, let them dry in the air for a few days, then cut off the tops and store the buibs out of the way of frost, for next season's planting. Lonk at them
ocrasimally. they will inow sins of miltew. If this If the bulbs shrivel, it shows they are getting too diry ; but they do net usumly siffir from a dry at mosphere. In ail
fiereign and American Catalncues meveral varietics are dercribed as wht tre I lare own gronnds, liut to frevent disappoint-
ment, will say I know of no reliable pure white Gladiolus.

## high plice or fowls.

## The great scare.ty of fowls in our mar-

 ket and the hyg price paid tor them is nouse keepers. Kamplang and tatuching acility for feeding them, farm there is the scarce in the market. Will not vur tarmers' wives and daughters procure a reater supply for the demand? TheState of lowa canuet or soil equal to that of Canada, and there chey make quite a good thuy by poultiy. story County instauce:-Mrs, Gage, ill -hickens that weighed tiom six to biluna pounds. She fed them on con mal, What screenings, gnd the coarser giams The tarm, with sour milk. She sing litule troutle and expense as is primui of pork, and she cintsen it for twice us much. well here. Oiten a neglacted spot, a Hood account liy larm, can be thine a to aelp in teedmy the fowl. In such places ret sun-Hlower seed lee sown; the abuldant seed they proance will be a choice and lesides, the bad air that arives yrom sume damp places will be uepaved of reath by the abuianat bluntia of the sull-tlo wers.
wut सह.т.

Sib,-1 am sinty liare niwt more time on
 in. pr giess and prow



 rovilue is favorod, thitio pracical with our The western portion is evident'y designed eventually becoune a large uniry uistric. The
belletit of this to the coumunity when it farily in operation cail haruis now be extimat-
 dawing when ten of thousunds of wisith will
fiud its way into our sectiou of coumery for expors if dairy prod icts, where now litule or nuthig is atforded.
an arra of not more chan 4 niles, 4 chection, Toi s, named respectively, Bultras. Shan'd,
Wilsou's and Wetb's in tie Tuw iship of llowpie ar waking up to ther onn int phese matters, ald so far as the ope ation der ny supervi.ioun is conoc rued 1 can speak
postiveiy. having pecured nearly 200 cous as par ronage to begin with, ald having sern one
 Cheese Factury' steam appliance tor man"p"lating and carving cheese, have taken wiat
term the model factury as my faitern, which
is uw in operation. To appreciate the arrankement, it must bee wen. 1 tound Mr. E.





 keep up our repparnand
dun or any outher sicth n in Ontario.
Thix is one of the great a lvar'ayse of such
pappers. When once a nan acpluires kn whidgo papters. When once a man acplite kn whidge
hic i alway, anxious to acqu
 proving, and is ar all times whing th help fur-
watu con end wirn of mprov, mant. Xnu cro

 Winh thanks for the in erest you have take
in the welfare of Agriculcure, 1 amm
Ridgetown, April.

FARMER'S ADVOCATE






 all the potatoes you sent me I can recommend
hikhly.

| highly. |
| :--- |
| Fergus, April 10, |

> sase nuer.






















 acres of ny best land. 1 expected a gra.
yield, but thre hed only 7 busthels per acre yied, but wenk straw, nliough good wier act. I
of lo.g,
sowed $2 \frac{1}{2}$ busheis of Fife Wheat, which save Sol traw. I recullmeld the Fite Wheat. An Old Sobscribin.
Westminster, Aprid sh, 1872 .
With the great root sugar. With the greatest pleasuie we give insertion
to a coannunicanion froun cone who deserve.
well off the count well of the country. He has, at a great out-
lay of money and labor, suce eded in ain enter
 Bisurce of preat wealth tw the farnuers and th
the wio e Dunii, ion. No men are mare de-
serving of encourag mint than th se who, il spito if every d-couatarment, conmence and pur evere in such undertakinzs. We lav carty und entelprises unaided by any ane in
authority. Mr. Kraft should recenve a goo bonus fr.mon the Guvernment, und If they :in
cerely derire the success of agriculture and cerely dmire the silccess of agriculture and
auriculturists they will give hiul all needfu supp, irt
SIr, -I send you some of the first bee
suzar that we liave succeedd in making after two years of hard labour and mun h m weey
 manemir mate in cmand it tmatitu $m$ a


 sucum,
 there would not be a better paying business
in Canada; nor in there in the world a better
country for the business. There is no better
cuuntry for the eruwh of roots, and during wur hard cold winters ail the beets could be
worked up, without their becumug too dry as is the ca, waie in minilder climates. The great
difficu:ty is in our foundries and the working luands. The work kuen in the foundry when
usked to wake the machinery for a su, asked to wake the machiuery for a sugar fac-
to y, ask what you want and say they think
hey can make it, wut ctanot trll you the cost hey can make it, nat cannot thll you the cost
as they never made any before; aud then
wh n it is made, you have to pay for vatious wh it is wade, you have to pay for various
wh niteris thy had to make, aud, also you
phave to pay a liitie more than the reguiar
hat have to pay a littie more than the reguia
price f.rr the misonry price for the masonry. It required more
than ordinary tine, being the firet of the
sort, and on the whe sort, and, on the whole, there is a guod deal of
loss lefire things are in the way of working
I loss Cefire things are in the way of Working.
I do not blame the workmen, fur how can they
du other don otherwise? What the
they cannut texpect tin do. Uur Governunent hhuold give simme encour-
agenent to the first fuctory; the second would agellent tht the first factory; the second would
.e easy. The State of Cal farnia gave for the
fist factory a bouns of $\$ 30$, fist factory a bouns of $\$ 30,000$. Fur the
fir t one I would not ask that amonnt from nur Guvernment ; I would be satisfied with a
bon of of $\$ 20.000$, or even $\$ 1500$, arely sifficient to pay f . the losses in the
first successful atiem The next would
the the benetit of hrst succissstul atem, t . The next woul
ia e the benetit of our hinbor. M. KRAFT.
Bridgepurt, April 12 1872.
discouraging letter from refyerew. Sir,- Enclosed find the price of the McThis section of country is anything but an agr.cultural one ; being a plue region, there is ol much agricur tire canied on, anh labor terus that will keep fanmers safe. Latoren
must liave a dullar a day. In short, this
is. in t a farming country. J. HAllidar,
Bagat ${ }^{\prime}$ t., Renfrew. April 16, 1872.
the 'advocate' the farmers' paper. Sir,--Enc'osed is the atuount of my sul
scription for the Advocate fur this year. scription for the Advocate nd thilis that n
like it better than ever, and
armerer should be without it. It is the paper ior farmers.
I'lavistock, Aprll 7, 1872.
new seed in the north Sir-In ordering a fre sh supply of seed
from the Emp rium 1 give you the result
 Black Thitary, a great crup, but 1 ann surr
they sell to well ps some others; Chevalier
Bat

 rich.
Let me have the fresh peeds named in the
acculyyunving list of 27 ne:y varieties.
 Advicite and p ofit by its ad
Avonuole, March 22,1872 .

## APIARY.

The past winter has leen the most disss truas oue on recurd to the bee-keeper; never
has the loss been so great. It has been wide-
 lewink not a tingle stock to begin with. Th
luss has been enn rumous, some $10 . \operatorname{sing} 40$ or 5
sti cks-the accumulation of many yeal s. N

 air, withuat auy care whatever; cortain poui-
tionshave beei favurable, and where stocks
nere shellered from the east winds, they apwere sifellered frow the east winds, they ap-
prar to have escap.d the damp that was so atal. It is sand that a "w.antel's fog woll
treeze a dog," and we find that inmedinely after the minsty weather in February, our bees
bocane clarged wih damp, and the cold weabocame cliarged wih damp, and the cold wea-
ther continuing, wihh no sun to relieve them,
they were conupletely exhausted, with plenty of loneer at hand. Now, what do we learn hy
this sad experience? Wo find our bers peri. hing, and huw to dry them is the question.Brigg ghem to the fire iin a a arm roum, and
tiue fr st and ce milts and f.llis to the lot-
 in a position again to stand the cold. Some
may prefer putting them beyond the reach ol
frost, but then they will be damp, and the
long cunginement is ruinous. M Any who long ened them
stowe
the present
The season
anbe to the b
lesson which
our hives are
procure the b
try protuces.
gin with; gg
and an in any
to sucicead.
Cobourg, whe bee-keepers. The past has been a ves are not the best, now is the time to produces. Obtain an Italian stock to be-

信 | succeed. |
| :--- |
| $\begin{array}{l}\text { any other business, you may expect } \\ \text { B. Loses. }\end{array}$ | Cobourg, April 15th, 1872.

## STEEDS.

Sir,-I have grown horse beans the last 10 pays, me better tlian wheat. I differ a they pay me better than wheat.
from Mr. Holiings in my mete seting.-
I plant in drlls trom 17 to 20 inclies apirt, plant in drills from 17 to 20 incless apirt, 2
bushels to the acre, c, wer with the piough the bushets to the acre, c.iver with the plough the
same as potatios and before the beans conie
 hey are or through them, throwing a little
the plough thro to the rows, which I conisider. adds T. ${ }^{\text {I }}$.
New Lancaster, April 2nd, 1872 . WHEAT AND OAT
SIR,-As I am a sulscriber to your paper pages, I wish you every success with it and the Enporium, and think they will do a great
amount of good to the country
Four of ns amount of good to the country. Four of 1 ns
got one burret, of seeds, potatoes, c. from
you lant sprum, and as you wish infurmation you lant spriny, and ac you wish information
and I see a good account of the McCarling and I see a good account of the McCarling
Wheat, I will ive you miue:-I gowed 7 It
Ihse in my orchard the last 9th of May, frou
 liss. of go.d wieat. I showid have had more,
but the mice and hens destroyed some. I but the nice and hens destroyed some.
was sown very thin in driils ahout 16 inches
apait; it grew abuout 3 feet hi,h apart; it grew about 34 feet high, was siiff in
straw, and stomled out yery much. much in favour with bearded wheat, but if wo yet the wheat we mu.t not mind lieards. Also.
from $7 \frac{1}{2}$ lus. of Baltic Wheat I threshed three
bushele
 it had not as goord ground as the McCarling
Wheat or I hirk it would have done leater.-
Of the two wheats I prefer the Baltic McCarling Wheat being a large, coarse sanu-
pie, whle the Baltic was beauliful. I have pie, while the Baltic was beauliful. I have
not seen any ac. ount in your paper of the
Hourin» quilities of the MicCarling variety. However, I and going to cive hoth kinds a fair t.ial this spriag, and then I slail be better
able to decide whituin is the best. From one peck of Black Tartar Oats I hal
just about 10 busleeis of good, 1 limp oats but these are not 2 main oat as I alway
bonght they were. honght they were
The Puiatoes I
so $^{0}$ with the sumuer front that I I barely had seed again, but some of the other part
who got them ha: good yie:ds fr mom them. Will you please infurm me what difference
in appearance there is bet ween the Baltic and Q assow wheats; when they were gr.wing lant Inmier could see noue. only cample. We
I got from you was a purer camd three feet of snıw on the level here, and we have hal no thaw to raise the springs, very scarce of feed, yet we hope we chall soon
have a thaw. Picase receive this letter from plain farmer, who likes good stock and seeds and crain, but like a gend many more

We hope our readers will come to ou the wheat.-[Ed.]

## Sik I ${ }^{\text {sE }}$

Sik,-I have shipped to you half a bushe bushel of Famin Oats. which were imported from Fanin, a port in Germany. They are a
whi e ant very anlooth and have no hong tails
to them ike the Norway Oats and some



bushels per acre. In the same field and on $\mid$ phen sprouting, and we have little trouble
the same quality of ground it yielded from 10
Wh 15 bushels per acre more than the Glaggow
Wheat. One thing I can certify to is that the Wheat. One thing I can certify to is that the
farmess in the adjoining townslips that have faruels in the aidening townships. that have
heard of it are so keen to get it that they
would give most any price for it ; but they would give most any price for it; but they
cannot get it now for love or money. I must cannot get it now for love or money. 1 must
conclude my letter by saying that feed is very
scarce here just now. A FARMER IX MIN TV scarce here just now. A FARMER IM MiNTY
Clifford. April 6 1872. fitiscellancous.
parasitio plants deleterious to wheat. How often do we hear farmers remark, we
will have no smut this year. we have so many whack heads, and even with these remarks,
bhould we eximine the black heads we will find some smut kernel or arrested spore balls. Many of the ergots in different cereals are of this family, and confuse the student when
their growth is checked by those multiple their growth is checked by those multiple
changes which seem to follow natural laws as secondaries to prinary forms, as in minerales.
They are different from all flowering planta They are different from all flowering plants in
their chomical intluence upon the air. They absurb oxycen and exhale carbonic acid, performing the same rffise in this respect as ani-
nals. The odor they emit in dec sving is more nals. The odir they emit in dec wing
of mn animal than vegetahle matter, and in fact the spores of some of the fungi are propagated and derive nourinment from the interior ineses of plants, as the group of anima ralis,derive tilirin nouris', ment from the muscuhr system of the hog. Therefore, we can come
up to this conc'usin that paravitic plants in the vegetable kindd mo prey upon and absorb the nices of plants, both in the interior and exterar, as the animal parasites, such as trichina.
ane worm, and lice derive their nourishment tane worm, and lice derive their nourishment
fr m either the interior or exterior of the ani-
mal they prey apm. There is another
There is another phenomena which all prac-
tical farmers and horticulturists underitand, which is that the more feeble the animal or
wher plant is, either hy starva ion or physical decay, The more it is sud ject th the attack of paravites, tonbled with lice except whe - exposed by minglink with weak stock The abundant
crn crnp of 1871 is not troubled with the fungi growth of smut as in years when corn is weakly, calsel from long coming up at planting time.
We hear no complaints of cattle dying when We hear no complaints of cattle dying when
tirned into corn stalks this last season, which
sinws that smut has something to with tho shows that smut has
deaths of former years
Let us as practical farmers take into con-
sideration the cauve of smut being in our wheat sceration the cause of smut being in our wheat
crons and we find that seed sown
and mucked into wet and slushy ground, is more apt to be
snutty in harvest than when the seel is sown smuttr in harvest than when the seed is sown
in a dry bed; aiso that spring wheat. when
sowed carlv or out of season, and the seed not ready to sprut or swell. and if checked by a hard frost so as to erffeeble embyro hine,
will ave the same effect in developing snuu as when wheat is nucked into the ground. Farmers fr m long exp rience know the ef-
fect of sowng wheat when the ground is in a fect of sniwn wheat when the ground is in a
lad condition and also know a remedy io steeping the seed in lime and ashes-we all knnw the effect of mixing alkalies with seed
wheat in' prevening smut--now let us ex"mine the canse. so as to come to a scientific conclupinn on the subject, and why quicklime. ashes
galt. urine. \&C., sholld kill the fungigrowth in salt. nrina \&c., shonld kill the fungig gowth in
cercals. All cultivated cereals have fung cerca s. in the clitivater cereals have fung
sones connecter with
their rinened srain far instance in their ripened grain; for instance, in examining
with a micrusc pe a keruel of wheat, we find with a micrus se a keruel of wheat, we ind
in the suale ent ends of the two lobes which form the seed. a fine silky fur, praving from
the selicinos bran-this fur, or velvet fuzz, in the selicions bran-this fur, or velvet fuzz, ind
often fillod with smut spores which has charged
othe kernel either in the field or in the threshthe kernol either in the field or in the thresh-
ing. Winnowing the wheat when dry often has the effoct of blowing away the smut spores
hut should they be left in the seed when hut should they seasn and ground favorable to their develonmentr. we are pretty sure to
have snutty whient fr m this cause. Whieat have smutty wheit trim this cause , wefore
when cown, and lies lone in the ground before
spronting, from eolld and wet, or frost, gives When own, and cond and wet, or frost, gives
sprouting, from clld
the embryo plant a sickly nature, and also the embry plant a sickly nature, and also
gives the smut spores a chance of being
aborbed in its juices, which by a process of ab:orbed in ithetinn impregnates
fungi repron
Now. how shall we got rit of the scourge ?answer. in the same manner that we ert
rid of parasite lice in calves and colts feed the


##   

 The experience of many years hat led ned Mheat erpp is miminy atibibutate to the ine
 and panted with orom, The ground is axain




 and thive oppont.ingien, thenen puppin the bint







 $\substack{\text { no sich } \\ \text { noim. }}$

## $\overline{\text { baritey malla }}$

SIR,- - It is a saingular fact, not easily ex-
plained, that barley meal is an artiele not plained that bariey ineal is an ariese no duces that gramu in abundance and of fine
quality. We have the deal priduced from wheue are everymbere used for bread or f. od of somed in scotland and many parts of Eumpland, Bariey Meal" as a common and wholssona common there for porridke as oatmeal, and is equaily recuminended ant wholesome. manke
therefore, can its absence from all our marke be accounted for ? Are we reaping so much
benefit froma breweries and distilieries that wo benefit frnas breweries and distilieries that we overlouk the profit to be derived from the
same grain t $t$ lus wasted, if turned into cheap, whoiesome food?
 quantity of hariey meal to sell to his custom-
ers, tut coutd not ob:ain it; and so anxions
was he to be sup lied. that he offered the was he to be sup hed, that he offered the
proprietor of an outm al mill to put up all the requisite manachin riy in his mill to proluco
buth pararl barley and bariey meal, if he would consunt to it on tair terms.
Int the told, bariey fl ur is extensively used for loat
bread, and its sweetness and lizhtness loead nany to prefer it to the fine whenten oasio be
110 now woun would the suffering poor also be
benefitted by the cheap bread which could benefitted by
I have nu doubt that were our cat-maal
millers to connuect with their eplablishments the manufacture of tariey meal, they would a Friend of Chear bread.
who is old:

men mhan (tremble at approaching shadows, and turn pale at a
at a harsh word or $a$ frown.

## Don't Think to Please All.

 Don't think, as you pass on the journey of life, That fortune will always befriend you; A stab in the dark or a horn in your sleeve,That friendship will always def and you.
Don't think you shall alwayg get praise from your
Don't think to to ploase all with your well-meann-
But suard aganget inward veration;
Don't think disappointment will never rebuff That envy, or hatred, or pride will ne'er cuff That blessed will e'er be your vocation. If you should but a little conspicuous atand,
Inl will and 11 nature place out the hand To bother, annoy and distress you;
Great toles will be picked in your
coat,
And slandr will send the false rumors aflot,
If fortune slould slightly caress you. The kuowing ones many, the ignorant fow,
All biting and giting ach olther They are scorning and flouting, lampooning Distorting, detracting, and sulking, and poutAnd raising a dust and a bother There are some who are always
Satiric:, comieal, mimical, finical Who set themeselvenupa as your judgen; Some hypothetical-hypochondriacal
$\qquad$ Conceited advisers and stupid directors, Anceited advisers and yup houd do;
All telli y you what you shou d
There are ignorant complainers, all Witar ready faaklt-finders, all pulling and haul ing,
Koning all things far better than you. Don't think to please all, for that rule isn
proctical, But dunt think to wander through life misa
But rathenical, forgive and forget; But ratepier forgive and forset;
A for for manis judguent- that Which ioungarar ays oxcited and ready to floundor
In the bow In the bog of a stew or a fr


And se fish, and snappish, and nasty, and musty
Don thit yourself up in your sholl Don't shut yoursel up in your shew; please The world fine consiuions sense,
Never fear if you always do well. SUNDRY LETTERS 1 am writing to you from the exact latitude
of Philadelphia, and just one mile from the
Pacitio cosas, Pacilis coast, at ire hear year has but two sea-
Sacramento River. Our
sons - Wet and Dry. The season closes May lst, on thereabouts ; the dry seabon lastas from May
till Deal or dew, the sun ehining every day from the
cloudless heavens, and heat ranging fromin 6.3
 perenial plants alone renain green. Duriug
this time herds of cattle -ine, sleek fellows
feed anil fatten ou the nutritious seeds of the
 our bright,clear creeks that everywhere cross the
paiaus, running from the snov-capleed moun
tain
 And the farmer sils
header and cuts his filds of hay or grain, leav
ing it lood ing it loone in the fiold no ba: weather here-
to be gathr d up at any tinoe withi. the next
five munthe. And then such day's work nex five monthis. And then such day's worke as wa.
do $!$ No mistur in our strum or grain $a$ mas.
chine that can thresh 400 bushels per day in the

 Grain is raised hero with one.fourth the labbr
that it is on the Miscissippi or its tributaries and it custs bassonutely nothing to raise stock.
I can aee lundreds of head from the window by
which $I$ am writung that have never been

nix, its in winter.
nut here in one drawbeck: We can raise no
vagetablea, and but little fruit, He
ing, and not one-thousandth part of our aral le
land is so situated as to be easily irriyatel frou hand is so situated as to be easily irriuatel from
the mountan streams, which crose the valle.
But wh re we coan irrigate, everything can be But wh re we oan irrigate, everything can be
raised in the greatest perfection;- the commun raised in the greatest perfection, the commonit
fruits of our northern homes and the most deli-
cate of the tropica may be seen growing side by s.de.
Everything that anybody would ever think
of weighing sells here by the hundred pound. Land is arth from $\$ 5$ to $\$ 50$ per arese, uith
some Government open to
rettlers, which
can berment caa be b.ught at \$. Spen per acre, Government
having raised the land iuthis Salley to that
price. In conclusion, I would say that I have
 I am eugazed in raising hogs. I have hundredil
that have never bee: fed anything. They will


## flouthy diepartment.

## UNCLE TOM'S COLUMN.

 that ilwass lave lots of candv in their pockets.

 what a bother sum. are! I like geography
bes, beccuse that is where you tind outa about
the animals, and the tres, tud the poople al
over the world I I over the world. I had as yrand joke on Bill
Simmons. 1 li is head of the class in arithme-
tic, and he says

 1ear Uncle Ton, - I like you hecause mam.
ma says sho thinks you muat liea a real nice old ma says she thinks you must lie a real nice old
man. I ishl you would write some nice little
Inder

 exami
asked
aill
listes
afain
afice,
nice,

## 

UNCLE TOM'S REMARKS.
Bob need not feel so tromendoualy smart over
his puzzie, for I have found it wat alroakly; his puzzie, for I have found it "ut alroaly
howeerer, , trall the reet of you find the nonwou
not tore But Boil, you ought to be fond of your
arithmetic just as well an of the goography be be
cause without arithmetic you will have as hard


 of the rhymes you ank fir.
"The a swar.r to the charale last month is
"Snow-ball."


 In the world, I can't tell one of then to fet
a pail of water. but hell burst nat a-crying
inan only say that if I was near them the







Thave receivel a very int-resting composi Throa.-A throas is is convei. Herent to to have, es
pecialiy to roosters ind
 ith his'n, and ties it up.-JJhny H " "But
he has forgoten that the thr at is of especial eonvenienc- to him for swallewing candv. You
jee what a smart lot of nephews and nieces 1 , yee what a smart lot of nephews and niecess 1
have, but smartness is not always appreciated.
One of them after no icins for some , timate the ylitering gold filling in har hunt's front eeth
yel exclaimed: "Aunt Emma, I wish I hind cop
p-r toed teeth like yours !" But think I have p-r toed teeth ike yours: Sut think have
side enongh for this time. Stud out the puza
zies and send me the aiswera. UNeL Tow.

## AUNT KATES HOUSE-KEEPING

Well, you know, I ain't been married very
lown, and keepin' house his kind of new to me,
so I ' tries moss everything as comes along to

 it be urant if somebody who had made all these
blunders afore ehould live said go gimewhere.
aud then theyd been a warnin' till us.

 Chatill be a saving to mavy a farmer and hin
wife. "e But, says Ben , the yll gets their
dmanaxa and receipt bouks as teaches how to





 remmer comes let it find us bright and clean



 proportion
of
water.
Trye got a capital fruit pudding which Ben is
awful lond of :-One cup of molasses, half a

 curranta, A large cuppul of chopped apples or
dired apples, which huve bee well sakedi one
one
 hidden animals. Phonography enableen me to live Phonography enabies me to hivo.
A MAs pesters meterribly.
Have you heard if the wild Catawba grapo? Have you heard of the wid 5. The pine one yeields an ex ecellent salve An Arab hitterly imploring alms. 8. He can be a very good seholar. 9. I amin a rebel.

1. I have not dermined yet.
in Ans wer next month.

## ACROSTIC.

As son as melts the ice and snow,
Prepare the plow, and apade, and he Repair your fences; make them good; Improve your time; ao farmer
Lote in the apring a a ningle day Much will depend upon the way Ye men! don't trife it away. T. Tawso Battersea, April 4, 1872.

TELL THE TRUTH Boy, at all ines tell the trut
Let no lie defile thy youth. Iet no ie defie thy yourh. the shame
If thourt wrong, eve thine
Speak the truth and bear the blame. Truth is honent, truth is surs; ;
Truth i i strong and must endure Truth it stroug and mast en
Fal ehood lants a single day,
Th $n$ it vanishes away. Boy, at all times tell the truth ;
Let no die defile tayy youth.
Truth in steadfast, Truth in steadfanat, sure and
Oortain to provail at Lash.
$*$ understand,
the animal or hyysical decay,
k of paravites. exposed
chanda
he abua take into con-
ng in our wheat

vind and mucked he seed is sown | le embyro |
| :--- |
| eveloping sn | e know the of-

ground is in a a remedy
ashes-we
alies with cientific cnnclu-
uicklime. ashes, fungigrowth
als have funci ce, in ex $x$ mi
wheat, we or velvet fuzz, rich the thresh
ren
when dry oft the smut sp
the seed en pretty sure to cause
he ground before
$t$ or frost. gives ature, and also
hance of being by a process of
bes the whole
and stunt our young

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Gardneer sewivg machine company 61, 63, 65, 67, 69,71 and 73 , James St
HA AMIITTON, ONT
F. A. Gardser, Mechanical Supt. F. M. . M.
the gardner patent sewiac machine
read the following deschiption In design, the machine resembles the Famil,
Singer; but the princiile of the working part, is entiriely different, having no year, and bein
as nearly noiseless as it is possible to make a Sewing Machine.
discs between which the thread passes are at tached by astul to the tension spring, whic
isflat and placed on the invide of the face its upper enl secured to the arm, and i
ed by a thumbscrew in the face-plate.
Tho Shutrie Movemext is obtained from
the shutle-cam on tlee shatt, which is desig nated as a "ball can." working be tween the tronss of a fork which is piuned to the shaft o
the shutti-arm. This staft is also made of wich and securely faskened to the the end churthe arm,
 the best movement to irevent skipping shithes The Feers derives its notion from the "fee: ing transen itede through the ececutric rod and
 nient. To the end of the feed lever is attacheen
$a$ screw, which serves to give any required lift to the fecel that may be necessary for li,ht or
heave soods. The fued spring is also attached to the bed; it is flat, made of steel, and very The nurabiliry of the machine cannot be
gncestoned; the movements bcing all hardened are not likely to get out of re, rair. The whol.
 case, as may be orderet. It will be obs rrved that there is no gear of
any kind, and that all the motionss are derived
 The Trean be is aljustahle, working upon
"centres" in brackets which are fastened to the trealle-bar, giving a light easy motion without
any noise or louseness, and can be adjusted to
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of the stand by a nut with the bearing ent of the stand centre; the wheel is bored tapering to fit the stid; upon the from siue or the whee
a steel plate is fastenel by two serews, which asteet painst the contre of the stud; the plate is aljustaile, and screws to draw th:e whee
up'in the tapered stud, tiking up the wear and
und yet ranning easy.
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