

## INDEX TO FARMERS ADVOCATE FOR 1872.

|  |  | How Money is Made by Farming.......................... How Much Pork will One Bush. of Corn Make? How to Kill Weeds. Hints about Flowers............. How Others Ses us; Kave Your Boys; Household Education Hints to Bee Keepers.......... Heating Sick Roome. Hides................ $\qquad$ <br> Improved Culinary Article. . Interesting Experiment..... <br> Interesting Experin Ice Houses......... In Open Council... <br> In-and-In Breeding. <br> Improvement of Grass Liands 115,133 <br> Influence of Iron on rees....... Importation of Stok......... Importation of Stock by Gov- <br> ernment.......................... 162 Improving the Under Soil..... <br> K King of Canadian Nurserymen. Knowledge Required by Far- <br>  <br> Last Kick of the ${ }_{\text {Johnson Com- }}^{\text {Jon }}$ <br> Lady Farmers......... <br> Leakage in the Yard. Large or Small Hogs. <br> Loan Societies ........ <br> Large Yield of Seeds.. <br> Lime or Tresards........ Liming Trees... Lice on Cattle and Colts. <br> 35 43 53 65 75 74 84 86 86 111 102 102 166 183 <br> N. Norwich Farmers' Club. . 86 , <br>  <br> Notes for the Month <br> Overthrow of Ministry and ReOrchard.. Out West. <br> Our Opinion. ....... Onr Farming Lands <br> Onio Thing at............. <br> On the Importation of Stock. <br> Obituary <br> P <br> Parliamentary..................... Preeding and <br> Portrait of Mr. Weld Permanent Pasture. <br> Prizes. <br> Potatoe Report. <br> Potatoe lirger <br> Pay for Your Paper. <br> Potatoes...................... 39,55, Paint for Farm Implements |  | The Sick Room. <br> To Secretaries of Agricultural <br>  Thanks to Our Patrons. <br> Thanks to Our Patrons... The Farm........................... <br> The Clovers....... The $\$ 2000$ Tomato <br> The Mimico Farm To Farmers' Sons. <br> Timely Topics............... <br> To Train a Horse to To Train a Fuschia. To the Ladies <br> To the Ladies... <br> To Our Friends............ <br> The Farmer................ <br> To Mr. H. Anderson The Destiny of Canada. <br> Trip to Ottawa. <br> Trees............................... Top Dressing for Corn <br> Top Dressing for Corn... ........ Take Enough Sleep............ To Destroy Insects and Colorado <br>  <br> The Best Whoat Region......... <br> Time for Tree Planting <br> Trees, Growth <br> The Victor Tomato <br> Time to Cut Wheat <br> To Keep Hams in Summer. <br> The Exhibitions... <br> The Austrian International Ex. <br> The Provincial Exhibition. <br> Trees in Pastur <br> To the Hon. A. McKMellar. The Mimico Farm....... <br> The Provincial Exhibition. <br> Tle Government Farm <br> The Fall Honey Harvest......... The Alderneys (with illustra- <br> tions)...... .... Mi......... 184 The Public and the Mikman... The Potato Bug.............. 186 184 <br> The Potato Bug.... Mo...... Time, Manner and Place for <br> Shell Barks <br>  <br>  <br> X. A. Willard's Addrems.....37, 58 <br> I <br> Youths' Department, $9,27,40,67$, $75,91,108,124,140,156,127$ Young Canadian Speaks..... 64 |
| :---: | :---: | :---: | :---: | :---: |

## SUPPLEMENT TO THE FARMERS ADVOCATE.

Notices or Agricultural Empo rium and Farmers' Advoeate.

From the Report of the East Middlesex cultural Society, Jan. 15th, 1867 :"We have much pleasure in directing you
attention to the establishment and progress o the FARMERS' ADVOCATE, published by W.
Weld, Esq., of Delaware.
We would agrest. y recompend the farming community gener ally to give their patronage to that paper, as it
will, no doubt, be of much service in the advancement of agriculture generally."
From the Report of the Cou
dlesex, Jan., $1867:-$
"That this Council having heard the re
marks of Mr. Weld, of Delaware, with reference to the interests of agriculture, appreciate
his labors to promote the interests of the coun-
try in general, and those of agriculture in par try in general, and those of agriculture in particular, and would recommend an extensive
circulation of the FARMERB ADVOCAT, 豇dited
by him, among the farming community, in order by him, among the farming community, in order
that the object that gentleman labors to secure
may be realized."
From the County ${ }^{-}$Council From the C
1867 :-
"Resolved that a vote of thanks be tendered
m this Council to W. IW eld Esq. Editor o fom this Council to W. 1 Weld, Esq. Editor of
he FAMBRES Anvocatr. We would recom-
hend
From the County Council of the County of. Ox ford, June 10th, 1868:-
"Resolved, that this Council earnestly recommend and appreciate the enterprising
efforts of Mr. Weld, directed towards the ad-
vancement of vancement of our agricultural interests, not
only in establishing the Emporium, but also in
the publication of the FARMRRS' ADVOCATE, a journal worthy of the support and patronage
of agriculturists." agiculuris.
Report of the Directors of the
Agriculture and'Arts, 1869 :-
"Wo reoommend William Weld a prize fo
his samples of different_kinds of grain, seed and potatoes. Weld Resolved, that the exertions made by Mr. cereals, and in diffusing the koowledge thereot
through the machinery of the press, are deserv. through the machinery of the press, are deser mers of this Province, and this Council will
give to the object of improving and tealing give to the object of improver
seeds its best consideration."
From the Committee of the! , Counc
on Agriculture, Ja
"We
the perseverering efforteasure in Mr. Weporting that We Me to es
tablish an Agricultural Emporium this ity, have already obtained a large paper in of sucoess and produced considerabre advantage
to the farmers of (Ontario, and we confident1) anticipate that it is now established on a per
manent basis and will be productive of grea
benefit in futur benefit in future.
great amonnt of time and money to to ecure
hhese results, we recommend that Agricultura these results, we recommend that Agricultural
Societies and farmers in general do support his


Ricsolution of Delavare Tounship Council:The following is a copy of a resolution passe
by the Delaware Townslip Council on the 14t
vif Octobur, 1 ST2:
Mored by Mre Field, seconded by Mr. Harris
Mat in consquence of an erroneous survey
-then that in consequence of an erroneous survey of valuable tinber, and further, paid heavy lav
expenses in testing the mater this Couni expenses in testing the matter, this Council
would thereforerecommend him to the consider ntion of Government, believing him to be justly
eutitled to some remuneration eutitled to some remuneration.
Further, we fully recognize
his efforts in advancing the interests of the farming community by the publication of the and dissemination of seds and roots. Carried
JoHN JoHNsToNr, Tp. Clerk. what it does. I would not be without it. Peter Boftan, Russell.
From I. Pincomb, Stock Breeder, Westminster "I sincerely hope that your enterprise will
be fully appreciated by the farmers in as filly appreciated by the farriers in general.
cial for the we can have nothing more berefi. cial for the advancement of our urosperity than
an agricultural paper properly conducted here. an agricultural paper properly conducted here.
I am pleabed to see that you write fearlesply,
and do expose such things as deserve it. 1 am pleased to see that you write fearl
and do expose such thinge as deserve it."

From J. H. Martindale, Port Dalhousie:judging from them, I must say that I look upon it as the best and most spp."
paper in our new Dominion."
From the Perth Standard,:-
"We have no hesitation in pronouncing the
FABMERS' ADVOCATE the best
ner now circulating in Canadal."
From John Berton, Carthage P.O. "I wish"to support the paper (the Farmers'
ADVOCATE) believing ture of the Province and its, best interests are
advocated fearlessly therein." From R. Saul, Strathroy:-
"Your paper is just the one the farmers of
Canada need, and will, I believe, in a little time supercede every, other, notwithstanding the assistancee
the
public purse."
From Wm. R. Dempsey, Albury P. O Co. of Prince Edward, :-
"I am well pleased with your paper and the terests, y in bringing before them and within
their reach the kinds of seeds which you feim safe in recommending. The reading matter
ald From ${ }^{2} W$. $E$, 1 expec
"I have b be importance of your enterprise. con vinced of "he better service for my neighbors than to get
them to subscribe for the FABMER' ADVO

From S. Eccles, Yarmouth,:-
"I consider the benefit to be derived to the
farmers ef the Dominion will be mmense, by the establishenent of the Emporium, if proper-
ly carried ont, particularly in the diffuion seeds, grain, roots, \&c. 1 am satisfied with the rom you of seeds, grain and potatoes, whh but for you, I should not in all probability havy
heard of, or they would not have come within ny reach."
From Peter Roulton, Russell:"I believe that your undertaking will ma-
eerially benefit the country, far beyond the pro ent ty yeral. supposition or the posaibility of
estimation." From Geo. F. Williamson, Sec'y Blenhei Agricil.al Sociey, Brincton. "I am cognizant of the fact that where your
paper has been anthying liko favorably re-
ceived, I can bear teatimo ceived, I I can bear teatimony to the great im-
provement in the art of farming, and it has provement in the art of farming, and hat has able eeeds sown by your energy and persever-
ance will yield a hundred fold." From the Kingston $\bar{W}$ hig:"It (the Farmers' Advocats) in now one of
he very best publications of the kind in Can da, per haps the very best. We think so wetl
of the enterpise of Mr. Weld that we publish
is advertisement grate." his advertisement gratio.
From A. McCullough, Bramley:"I have been an observer' of your paper for great good to the farmers, and don't think I
could do without it now" From T. B. Williston, Bay du Vin, N. B. "Your paper is good and has more know-
ledge diffused through its columns for the benefid of thifuse farmerorough than any columns other for the bene
(Dominion that I am aware of in the From R. Saul, Strathroy:-
"Every farmer. indeed, every person in the
Dominion, owes a debt of thanfulneas to the Agricultural Emporium for bringing them
(new sorts of petatoes) into general repute,"
From John Johnson, Hillsdale:-
is fell assured that the Farmers' Advocat ished in Canada at the present time. The in
ind formation it gives us is likewise to be com
mended. The non-political character of you
jownal journal is to be commended.
From W. Eagleson, Coldsprings, March
"I congratulate you on your pronpects.-
Yours ham been an up-hill course, but 1 think Yours has been an up-hill course, but it think
anfor an agricultural paper is concerned the
Adve 4 is now st the top of the treo in Can

From R. Sinclair, Paris :"Your paper is is invalus the to all engared in
agriculture, and it seems to me that no farmer's
ouse should be without it The viows house should be without it. The views annuh-
ciated in your and prosper is my wish."
I always receive the Farmers' Advocata $\begin{array}{ll}\begin{array}{l}\text { as a treat. } \\ \text { cate. }\end{array} & \begin{array}{l}\text { It really y is the Farmers' ado } \\ \text { Henry Wiliams, Manotick. }\end{array}\end{array}$
I like the Farmers' Advocate first-rate, to wo the farmers in thislvicinity.

1 am exceedingly
Yocam exceedingly wellispleased with the ADsuited to the farming community was to be tainly have become a sunbscriber for it long ere this time, believing as I do that no farmer
should be without it. I am highly pleased with your paper. I would think,myself lost withoutit. Marden.

## Emporium Price List for Dec.

No. 1 Straw Cutter. \$18.

No. 3 Straw Cutter. geared for rod. $\$ 42$
Comhined Foed Mill, No. 1. S
$3 \cdot$
zrysin O

Combined Feed Mill, No. 2. $\$ 70$.
Combined Feed Mill, No. 2.geared for rod. 875. Combined Feed Mill, No. 2.geared for rod. $\$ 75$.
Combined Feed Mill, No. $\$$.
Combined Feed Mill, No. 3 , geared for rod. $\$ 70$. Gardiner's Patent Root Cutter (double action, Rentiling Patent Foot Popler. 832

 Wooden Frame Grain Crusher, No. 1. $\begin{aligned} & \text { Sto. } \\ & \text { Wooden } \\ & \text { Frame Grain Crusher, No. } 2 . \\ & \$ 30\end{aligned}$.
 Six Horse-power, small "Pitt," with two rods
\$80
Ten Horse-power, "Pitt," extra heavy. $\$ 120$ Ton Horse-power, "Planet." $\$ 120$.
Iron Jack, with babbit boxes. $\$ 20$. Separator, with carrier and two rods. $\$ 2500$
Horse-power and Separator, complete. $\$ 370$. Horse-power and Separator, complete. $\$ 370$
Grain Drill, ten hoes.
Grain Drill, nine hoes. Grain Drill, nine hoes. $\$ 75$.
Carters Open Ditching Machine. $\$ 160$ Durterion Stump Extrastors, $\$ 50, \$ 75, \$ 100$.
Cardiner's Root Cutter from Soll's Cider Preses, single gear \$32, double Jones' Amalgam Bells, for schools, churches, Wond Sawing Machines, $\$ 80, \$ 85$, and $\$ 100$. Fo far's Poot Cuttere, $\$ 6$; ;ook first prize at
Proviacial Exhibition, 1872 . Provincial Exhibition, 1872.
Simpson's Cattle Spice, 2juc. per packet. These are the cash prices, free on boord at
the Station. If thim, is asked, I will sell at the same figure, adding 7 per cent, intereatt on
endorsed note. Add. Wess W. WELD, London.

## 3F 3E X YR 3Fs

For the FARMERS' ADVOCATE. To the Canadian Farmers :
It thit jornal has beon your Apoon irt and
GIRLS and Boys

ditancemont You may pparat to the membert






For 1 new Subseriber, and 1 old one. -The 1st No. of Vick's Floral Guide or - er ery one shoulu see it.
For 9 new subscribers.- One of Vicks beautiful Chromos.
For 20 .
Improved Berkshire Sow or Pig. These must be taken at once, they are nearly For 30 new Subscribers. - Spring Pis Improved Perksire We always have a greater demand in the spring, thus we can seil the fall pigs cheaper ; a Cotswold Ram Lamb may be taken for this number
$\left.\begin{gathered}\text { Vick } \mathrm{Flomal} \text { Guide is a rare work of art, it } \\ \text { contains } 500 \text { entravinga, exccuted in highest }\end{gathered} \right\rvert\, \begin{gathered}\text { The Chromos that appear for prizes are far }\end{gathered}$
 pleased with this; you cin purchase no such
beantiful, pleasing, entertaining or handsume will also, guarantoe that you will be s tis
fied with the prizes. We import them, pay
 nore retining and more useful. Eivery one of
oou should see $i t$, wery lady will be delighted
vith it.

A little girl, eight years old, sent in a Club list
of six new subscribers, with their 30 , she in. nds sending another list before January.
Iany little boys and girls are at work, they Many littie boys and yirls are at work, they
will be pleased with their prizes. Take your
paper at once, and be the first in your neighbor. paper at once, and be the first in your neighbor.
hood, go to the leading gentlemen, firat your
member of parli panent. if he is near, you ; then o your councillors; then to the best farmers; go to thone that only read one paper; lastly,
to those that take no paper, show your paper to
them, gain a rrize. them, gain a prize.


## 



LONDON, ONT., JAN,, 1872.


## index.

Gexfral Editorala
 culture During the Past TWo Years.
An Improd Culinary Implement. The Bing of Agricalture.

| The Reng of of |
| :--- |
| Sharliementar |

Tariamentary
Heave nemed
Cooked Food
Cooked Food for Catile
Pig Breeding and Feeding
Farmeeding ana neanding...
What 1 Know About Farming
Sead
Sead.a now About Farming,.........
Annual Meeting of the Dairymens As.


 Ode to a Star...
$\xrightarrow{\text { The }}$ Winusgrole :
Address of the Hon. J. Skeal.
MiscriL anpors
Hyy.iene of the Farm.
ALetele Sermon.
The isect Rom.
Interesting Experi
Interesting Experiment
Portrit
Experimentw in in Wherdu

Youths' Depa
Seed Prizes.

Horicctircuni: :- Ap Aple Orchard

$A$ kemarkable ('ovy
Foul Water and Milk.
The Fielid:-- $\begin{gathered}\text { Eenomy of Long Furrows in Plough- } \\ \text { ing }\end{gathered}$

Prizes-Clul List for 1872 .
Stop That Cough
To Secretaries of Agricultural Societies and
Advertisements...
. $13,14,15,16$
Oniovs prescribed for cocghs.-An an
nonymousduriter says: "We are often troub nonymonswriter says: "We Wre often tron
led with evere conglis, the result of colds of
long standing. which may turn to consumption or permature death. Hard coughs cause sleep-
less nights by constant irritation of the throat, ter from the lungs. The remedy I propos has often been tried by me, with good results,
which is simply to take into the sto fore retiring for the night, a piece of raw on ion, after chewing. This esculent in an uncooked state is very heating, and tends to collect the waters from the lungs and throat
causing immediate relief to the patient.

## (1)encral efyitorial. <br> Farmers' Advocate-18\%2. This number commences the 7th volume of your paper-we say yours! We com menced for you farmers, and have honestly and truthfully done our duty to you to the best of our ability. In our last issue we reviewed some of our past acts, and any of you that have read this paper must be your own judges. We have made prondises to you, and have kept them we have maintained an agricultural course, free from political bias, and have fearlessly fought your battles, no matter what power how been establishedl in which any one now inticle, beneficial to may insert a useful artion the country. Our circulation and correspondence is increasing; the business of the Emporium is improving, and we hope the Advocate may continue to improve.

 Remember it is your only paper: everyother one is a party, political, or sectarian paper. Arc yor, It is you alone that cankeep it independent by increasing its cir--
culation and increasing the lusiness it is culation and increasing the lusiness it is now doing.
Review of the Acts of the Board
of Agriculture past Two Years.
The principal business of the old Board
has been to attend to the carrying out of has been to attend to the rarrying out of
the annual Provincial 'xl x 隹hition. The exthe annual Provincial Exhinition. The exduty quite as well as any previous Board.
Their Exhilition, when in Toronto, was perhaps the best that ever has taken pace meanada, taking ail things into considyear was a peemuiary loss to them, as it
generally is when held there, hut the necessity of holding it at that place was out
of their control. The Exhibition itself was a good one, but the rival Exlibitions which were intended to anuihiliate it and
overthrow the present Board, caused a overthrow the present board, caused a
diminution of the receipts at Kingston.
But the But the object of this Board has not
been to make money for itself, but to do good to the country; generally, in this
they laate fir surpassed the labors of the they have far surpassed the labors of the
cld Board. They have had to contend
against the bad name the old tained, thus they went into office under most adverse circumstances ; the whole country was raised against them on ac-
count of the defalcations of the former Treasurer. The present Board has taken ood and ample security for the money due
irom Denison, and are now receiving it. This is highly satisfactory.
be gained from the present Board by Lon
doners, for the entertainment of the
Prince, but the Board wisely rejected unreasonable demands. An old disputed laim of many years standing for money expended for the entertainment of the
guests from the Maratime provinces the uests from the Maratime provinces, has
been honorably liquidated by this Board. During the past year the Board has given to the country an exhibition of the best trial of implements that has ever taken
place in Canada. Without actual test by operation, it is impossible to arrive at a correct conclusion in regard to the marits of implements. This first attempt of was a grand success. Thousands of far mers attended it. The Board charged no ee for admitting visitors to the grounds, which the might have done and made they wished to give all manufacturers a fair opportunity of operating, and the inhabitants a fair chance of judging for judges the Board could select. This act shows that the Board is looking after the interests of the country lietter than their
precursiors in oftice did. The present Board detected a species of robbery that different forms; at considerable expense and trouble they brought the guilty parhave an opportunity to hring toy will ye leyal protession on their bended knees for their arts after the trial. They have pro-
cureil obout tura-stiles to check as mueh as cured obout turu-stiles to check as mueh as
pusihle any attempts at tampering with che tickets of
crowniny act rent the Agricultural Hall and move their virice into the Parliament buildings. This was a suggestion from the Minister of Ag
riculture, but the Board had the audacity to reject his proposition. The Board considered it would tend to chain agriculture to politics, and that it would bo rather We are well aware this act of comply pliance on the part of the Board gave great offence to the Minister of $\mathbf{A g r i c u l}$ ture, and the sudden dismemberment of
the present Board has been for the purpose of attempting to get a Board elected that would act as he wished. The Western Fair has received his approval, and has been carried out for the express purpose of
overthrowing the Provincial Board of rectors and elevating the managers of the
trial Western Fair, one of which has been the political adviser of the Minister of Agriculture. There are heavy expenses en ernment measure, and those pubpenses or hovthrough the customs of former years, been necessarily heavy. We have heard some is a desire to curtail unnecessary
as much as possible ; there is some room or improvement in thls respect, as some
of the payments for assistance during the Fair week are very high and may be re duced. Of course the recipients would den send up a howl and might try to
damage the Association.

## An Improved Culinary Imple-

 ment. We are pleased to call attention to anynew invention that will add to the con-
venience and comfort of the household, as venience and comfort of the household, as
well as to introduce seeds and farm toole ws many persons live and cook in the same room, or even in adjoining rooms, anything that caunes a stench or makes
steam in the dwelling is disagreeable. steam in the dwelling is disagreeable. scent of burning grease and the fume from the cook stove $\uparrow$ Whatever is obnoxious to the senses is injurious to health
and comfort. Mr. Israel. Kinny of this and comfort. Mr. Israel. Kinny, of this
city, has invented an improvement in the city, has invented an inprovement in the
construction of cooking utensils that bids fair to become in general repute among
cleanly houne-keepers. By his improved cleanly houne-keepers. By his improved pots and pans the steam and noxious eflu
via arising while cooking is instantly carried into the fire and up the chimney. It is done by having a small vacant space at the side of the pot or pan, like a tube; $a$ ing a hole in it ; the lid is placed on the pan or pot with the hole in the opposite side of the tube in the pot or pan, the
draft from the room rushes to the hole, draft from the room rushes to the hole,
passes through the hole in the lid and caries all steam or scent down the hole in the side of the pot to the fire. Thus no cent is emmitted, and no smoke or steam is to be found in the room. Cooking can one is living without the usual inconveniace complained of. We have one of these rying pans in use in our house, and can mmend it as boing entirely effectual in enience arises from its use, as the tube is cast at the side of the utensills. Those ving in or near the part of a house where coking is carried on, will find this im.
provement a great addition to their com. ort, health, and cleanliness. We have ne in our ware-room, and will be pleased sample. ample.
Kindness is the music of good will to mon;
nd on this harp the smalleat fingers may play Seven years of silent inquiry are needful for Seven years of gilent inguiry are needful for
a man to learn the truth, but ourteen in order
to learn how to make it known to his follow. So learn how to
men.- [Plato.
men.-( Plato.
Old Scots in the Highlands still use the
match-lock musket, and know nothing of the

## FARMER'S ADVOCATE.

The Board of Agricalture The last meeting of the Board of Agriculture and Arts of the Province of Ontario, was held on the 5th and 6th of December. sists of, perhaps, as good and efficient men aists the farmers could select, stifl we think that one or two electoral divisions might he bethances are that if a change takes place, it may be for the worse. They are
all highly indignant at being so suddenly all highly indignant at being so suddenly
compelled to return to the labors and expenses of another election, which, under penses of another election, Which, under compels them to. We should like to have
the reasons of the Minister of Agrieulture or such a course, and perhaps he may explain during the present Session of Par that Mr. Fish should be paid for the ex pense of getting us that costly supper and lull, when the maratime guests were in London. The Board has recived the first cies, and the balance is safely secured. They also receive $\$ 2000$ for the sale of the
old Government experimental farm on old Government experimentel farm, on which we never heard of any good having resulted to the country. The Guelphites modestly requested the Association to let
them have the use of its Block for striking diplomas, to be given to the parties to diplomas, to be given to the partie
whom they wisted to graut them. coprse the Bnard wisely refused to their Block, bute we think it might with its cost, as we consider it a very poor sead out. It is not equal to the old one nud it cost enough to have a good one.
To Guelphites, Haniltonirns, and Londoners, we say, if you give a diploma at all, give a really grod one, such as will be an, ornament to any parlor. The present
diplomas are so badly done that they aldiplomas are so badly done that they al-
most require an iuder to tell whether the most require an ides to tell whether the
animals are intended to represent the equine, bovine, canine, or any other spe-
cies. There were applications made for the diploma in the place of first prizes,
but thio Board thought it should not be granted for such, and should only be
awarded for something of high merit. They do not wish them to be as easily obtained as heretofnre. The old Board ap pears to thave grant part of the Agricultural Hall, but it also appears that it has been granted for the specific purpose of a seed
waro-room. Mr. Fleming says he has waro-room. Mr. Fheming says he has
a perpetual lease, but the price is to be
He use it for other purposes. He complain of the high rate it is assessed at, and con
siders the expensive and very handsome external ornamentation as of no additional
value. The fact is, there has beenn a screw loose somewhere; the old Beard should not have granted a lease, to give swel now holds, as the building happens to be in the very best situation in Toronto, and
is itself fit to be a bank, being highly valuable. Fleming has been a good serstance one thing that came nnder our observation that causes us to believe his services have been rather agaiust the interest
of Agriculture thin for it. Fleming now of Agriculture thin for it. Fleming now
wishes to tum the building to other purpose than those for which it was erected,
and for which the lease was given him. and for Which the lease wha given him.
Should there ever be any disturbauce in future about this building, the present ex-
isting Board had nothing to do with granting the lease. Thistume for tholding the next Provin-
cial Lixhibition was gupointed; it is to The propriety of pormanently establishing The propriety of permanent.ty estabishing discussed, and it was thought desirable t hold it the last week of September; but the Board considered that they had bettor
leave that question for the new Board, to leave that question they did not wish to
be appointed, as
trammal the powers of their successors
in office. The seeond volume of the
Canadian Herd Book is shortly to be Canadian Herd Book is shortly to
issud, and a committee is appointed
att any of our subseribers have any stock, the illustation of which they should wish to appear in it, they should enquire of the
Secretary about it at once. We are unable $t$ say whether the first prize animals in each class are to be represented, or im ported stock, as we did not make as ful
enquiries about it at the time as we might enquiries about it at the time as we might
have done. We understand the owner of animals have to furnish the drawings them, and the Association bear
expense of the engraving. We imathe expense of the engraving. We ima
gine the desire is to have the illustrations after the American fashion and similar to the illustrations in our last Herd Book
Page is an excellent artist and knows wel Page is an excellent artist and knows wel he points of an animal. to be belind the times, and perfec tion in the drawings of animals must ap near, whether they fill the points or not
Our opinion is that we have carried thes Our opinion is that we have carried thes to far too great excess already, to such an excess that we cannot call them truthful In some things Canadians excel the Amricans; we have good stock in Canada ad the Amerieans well know it. We can
afford to have truthful representations and they will do us more good in the end than false oues. There is defection enough about stock, without our making it too apparent in our illustrations. We
consider the cut of the Old Duke of Gloucester, which, we presume, was a wood cut as a truer representation of an anima
than any of those cut in stone. Wood cuna any of those cut in stone. Woon cuts can be printed on auy paper, and
those cut on stoue can only be used on
pint particular kinds of paper. Perhaps it
might be as well for breeders who are inmight be as well for breeders who are
tending to have illustrations of animals in tending to have illustrations of whether it an use in their catalogues or advertise meuts, when printed with type, or one
that can only be used for a special purthat can only be used for a special pur
nose. We ehall feel obliged if the Secretary would inform us of the particulars of stock that will be admitted, or such a
will be rejected, or if any one that sends drawing will have it cut at the expense o the Association on stone only, or if elec rotypes, sterreotypes, or wood cuts will
inserted, and what are the requirements the Association regardih; an animal bein ingraved at their expense, must a dram photouraph answer; what the difference in expense will be if stone or metal 1 is
used, and who wil have the blocks afte used, and who whl have the blocks atter
having been used ; can the proprietors of the anin
price ?

The King of Canadian Nurserymen.
In Deeember, after attending the last meeting of the Board of Agriculture, we took a walk to Mr. Leslie's, in the even
ing. His nurseries, consisting of 75 acres are situated abont two miles from the market. We entered the office and found takes a goon sleep in' his chair in the evening. We conversed a short time with his younger son, who was husy at the books,
but presently the old veteran of between 70 and 80 summers raised his head and rose entirely from his seat to salute your
humble servant with "Well, well, Dr. Weld-how are you? glad to see you; you
arc a wonderfut man; you are doing mor are a wonderfy man I know of ; the country owes you a pension! I am always glad to see yeu." After this salutation we at
tended to our business, which was to en tended to our business, which was to en
quire alittle about the Buck-thorn. We find he has a supply, but not one-tenth of what he would like to have. He cannot procure seed sufficient, and he would give
$\$ 20$ per bushel for it. The demand for $\$ 20$ per bushel for it. The demand fo
trees; plants, and shrubs was never greate than it is at the present time. He ha now sueh a business that he cannot supply
the demand, and rejeets many wholesale
orders. Presently Mrs. Leslie stepped in
to the offiee. "Ma, ma, here is D to the offiee. "Ma, ma, here is Dr
Weld." We do not know why he bould call us Dr ., as we have no pretensions to che healing art. Of course we must have
chat with the ladies. Editors are often chat with the ladies. Editors are often others cannot go, but there is a duty be onging to this class of beings which, per haps, your humble servant may exceed
We have no right to lift the vail or cur We have no right to lift the vall or cur
tain and expose family matters of private retiring persons, and we hope and trust
rest that the Leslie family and the public will pardon us if we do exceed our proper
bounds, by touching on a few remarks of a private nature ; at any rate, our intention is not to injure any one, but to do good.
The present Mrs. Leslie is Mr. Leslie' The present Mrs. Leslie is Mr. Leslie's
Mrs. Leslie was a widow econd wife. Mrs. Leslie was a widow
previous to her marriage with Mr. Leslie, and there were nine in her family, that is, she had four brothers and four sisters. Her brothers are all dead, each leaving a widow living, and the sisters were ald leaving them all widows. We quote this as a most remarkable circumstance. We
received this information from Mrs. Lesie. "Dr. Weld," said Mr. Leslie, "y you you not spoken against the selling of the timber of the poor settler's land it is a poor fellows have not enough timber lef to build a house or barn. If I was in want of land, I would not take such a lo as a gift. I should go to a country where
I could have my timber. I see the Gov I could have my timber. I see the Gor
ernment have been selling a lot more of those timber sections for $\$ 200$ and less
suare mile about 25 cents per acre. It square mile, about 25 cents per acre. It
inst ruination to the poor settlers, to nnst ruination to the poor
build up some favorite; it is
"Well, Mr. Leslie, I know it is wrong but I have written against so many things that are wrong, and suggested so many
improvements, that it appears only like blowing against an east wind."
" Never mind, write, write all you thin
ought to be written for or against it. I will do good some time ; sone will see it,
Yon are doing good ! yon are doing gnod!" You are doing good ! yon are doing gnod.
We asked Mrs. Leslie where George wa this evening, meaning "Mr. Lesie's eldest son. Mr. Leslie said, "George is like you
Mr. Weld, he has been too "hilianthrophic and is suffering for it." "What is th
matter with George?" "He's sufferin from a severe attack of rheumatism, and has been unabie to attend to business yor
nealy a month. He is now staying with the ductor in the city; he has to b great agony. It affects him in the limbs and stomach. He has always been very
steady and industrious, but he went three steady and iagarain his capacity as volunteer. He was obliged to ne on wet ground
exposed to the inclemency of the weather and this is the result.
Does not this tell a tale of neglect that feel ashamed of ? This is by no mean the first iustance that we have heard of premáture and permanent injury having been done to our volunteers, who have s faithfully served their country in time our
need. This kind of case-hardening our need. through neglect and exposure, is a
sons
disgrace to the present century. It has disgrace to the present century.
not been the fault of the men who obey the orders and have placed themselves un-
der the control of the Government for their country's good. The fault is in having an inefficient staff to control. There
are far teo many large salaries paid to inare far teo many large salaries paia to in
competent persons. Vhat necessity has young men in such a mauner? While in conversation. with Mrs. Leslie, we turned to the subject of emigration.
She arid she had a great many nephews She said she had a great many nephews
and nieces in the old country, and she would like much to see them here, the opportunities being so much better for them
here. She had never advised them to
come, because she felt there was a respon-
sibility in giving advice, and at first they
might not feel satisficd and blame might
fall on her At the same time, she well fall on her. At the same time, she well
knew they would be much better here, if knew they would be much better here, i
they really knew the state of this country. they really knew the state of this country.
This brought another thought to ou mind : cannot we send information Where areall the $\$ 50,000$ worth of Govern ment pamphlets and emigration agents; we
have never yet seen what we conside the right kind of information to send home to such parties. We have a great deal of ego tism, but if we were to devote our atten-
tion to the cmigration business for thre months, we believe we could bring a larger numl:er of really useful and able emigrant to this or to any other good countiy, than our Government have induced to com here
ture.
In the morning, we walked into Toronto with Mr. Leslie, sr. On the road, Mr. trees that had been mutilated for the benefit of the Telegraph Companies Some parties had made the companies pay planted by the road side, and he does not want them touched for any amount of
damage that might be tendered. He condamage that might be tendered. He con
tends that they hsve no right to mutilat the shade trees, and if they want their wires to run, let the companies purchase the right of way. They have no business to erect nuisances on the road. There are
several reasons in this ; we want our several reasons in this ; ornamented and shaded, but this cutting off the tops of trees will not do. Telegraph wires are useful, and we
suppose there will be some new Act passed suppose there will be some new Act passed
to give them power ; still we think that as Telegraph lines are private enterprises, they have as good a right to purchase a route to set their poles on private land as railway companies. of the coun-
harm in the backward part of the try, where ornamentation is at a discount, but where enterprising people live that have an eye for taste, beauty, refinement
and comfort, the mutilatiou of shade treas should not be allowed. Perhaps the companies may run their wires underground in places where trees are planted for ornament and shale. Whatever may be d

## Shameful.

There has been a very dastardly attempt on the part of some of our Western Fair Shipley, becanse the Western Fair took lace at the same time as the Provincial Exhibition. We cannot denounce in too
trong terms the deep-laid plan of unstrong terms the deep-laid plan of un-
principled men to cudeavor to injure Mr Shipley, who has been a faithful servant
to the Provincial Board and to the country, and who never did auy harm to the Western Fair. It may have been done
for an election dodye, but assuredly the or an election dodye, but assuredy Mr . Shipley on to the pates of the parties who originated the vile attempt to injure the Wecent, to sheld their own foul deed We hope no such attempts are made mm
other divisions to injure the reputation of other divis.
good men.

Mr. L. Jouns sends us a letter containplace is omitted, and the post-mark out side is illegible. We never can get aich
through the Post Office to find out such places as are not stamped right, therefore to send the paper to where he may direct Thanks for the dom the Post OHic date their letters from the
where they receive their mail.

The Improved Berkshire pigs hav been in such demand that most of ou Mr. R. D. Foley has just made anothe importation of a choice lot of them. adver
tory.

The second liament is now tice a conside or the past ac quite a talk draining of th drain a step in
beew propose
no now propose
enable them may be a very may be a very
we lay claim lan through go. We ar suggestions, a carried out, w farmers. Th House of the
heir Experim called the Ag call
the greatest
meanuess tha meanuess tha
men to enact. men to enact.
years to show years to slow untility of tested sedg,
fron us by th fron us by t
Agriculture. to drive us,
themin carr deemed injur cause we
foundation s
thieves who seven ycars.
tale is told what is to
tion. We.
have robbed ber; have ea
litigation, litigation,
They have and left the
rock. They and their so
their po prace
horns.
Ins and agricul
nearly tram nearly tram
ricultural pa
lished one lishet one
farmers of
This should the conutry
to force t down tho papr has
nud like
which ha which have
tical valus

[^0]
## FARMER＇S ADVOCATE．

Parliamentary．
The second session of the Ontario Par liament is now sitting．In looking over thice a considerable amount of laudation for the past acts of the Government，and quite a talk of extenced liberality and
justice．They make a great blow of the draining of the swamp lands，which has been a step in the right direction．They now propose to loan money farms；this may be a very advantageous measitre，and
we lay claim to the introduction of the plan through our journal，many months Legislature are about to act again on our buggestions，and that measure，if rightly carried out，will be of great benefit to the farmers．The Governor informs the
House of the purchase of the land for heir Experimental and Test Farm，now called the Agricultural Colloge．This is the greatest act of theft，njustice，and meanness that it is possible is a body o
nen to enact．After we have labored for years to show the country the necessity and utility of a reliable place to procue
tested sceds，\＆c．，the plan has been stolen tested scedd，\＆c．，the plan has been stolen
fron us by the adviser of the Minister of Agriculture．His friends have attempted to drive us，coerce，and bribe us wo aic them in carrying out plans that we have
leemed injurious to the farmers，and be cause we would not comply，they steal the chieves who have harras：＇d us for the pas seven ycars．A very fue and plausible
tale is told of what has been dore aud what is to be done to encourage emigra－ have robled us of our land aind our tin－ ber；；have eaused us immense loss from litigation，and have made no amonds，
They have sold the timber of tho poor and left the emigrant to starve on a barre rock．They have driven our best farmeras
and their sons from our shores，and filled their places with impoverished green and agricultural information，they have nearly trampled out of existence evcry ag
ricuitural paper in Ontario．They cstat lished one paper for themselves，which th This should show them the great loss that to force their opposition establislument down the throats of the farmers．It pro－
bably will become，as their asricultural papr lias become，for sale at a dead loss，
and like the old Government ground Which have
tical valus．

## heave remedi

A Sobscriber asks us for the best
We：remedy．We give tide following rom Chases＇Receipts：
 ng of a hurse，is susceptit of beeat allevia
tion by atiention to the character and quan tity of food to be eaten by the animal，as tery one knows．If a hirse suifering from
this disense，is allowed to distend his stomacl at his pleasure，with dry food entirely，and
then to drink cold water，as mnch as he can vold，he is nearly worthless．B．it if his foo
be moistened，and he be allowed to drink moderate quantity only at a time，the diseas troublesom
A still further alleviation may be ohtained Cpalia， 4 ozs．each；and mix with calcined masnesia sufficiently thick to make it int
b，Ins ：give a midllin？ized ball nizht and grod satisifiction，and is extensively sold
Eiberbach \＆Co．，druggists，of this city．
2．Avotirr．－An old Farrier assures me
that lobelia，one teaspoon once a day，in his feed，for a week，and then once a week；that
you can hardly tell whether the horse ever had the heaves or not．
3．Axother．－H．Sisson，another Farrier gives me a cure which some what resembles
the ball first given uider this head，and thus pach one supports the other． nonths．
The

He takes calcined magnesia，balsam of fir．
and baisam of copabia，of each 1 oz ；spirits and baisam of copabia，of each 1 oz ；spirits
of turpentine， 2 ozs．；and puts them all into one pint of cider vinegar，and gives for a dose one tablespoon in his feed，once a day for a
week；then every other day for two or three ooser and looser until cured．Whet his hay with brine，ant also wet his feed．
4．Another．－Mr．Bugs highly recom－ mends the following：－Lobelia，wild turnip， elecaupane，and skunk cabbage，equal partss
of eaci．Mike into balls of coumun size， and give one for a dose；or make a tincture，
by putting fuor ounces of the mixture into 2 qts．of sprits；and after a week put two
tatle－spoens into their feed，once a day for a

Donth or two．TisTEMPER－To distinguish and Cure．If it is thouyht that a horie has the distemper，
and you do not feel certain，wet up bran with rather strong weak ley－if not too strong they
will eat it greedily；if they have the distem－ per a free discharge from the nostrils and a a fer days ：but if only a cold，with swelling the glands，no change will be discovered．

## Nombd fond for catt

Experiments made by M M．Raspail and Ant，ot the Frendi Accuemy of Sciences，seem
o have resulted in essablishing the following 1．Tuat the giobu＇es constituting meal，flour nd starch，whe ther coutained in grain or roots， are ancapabye of aliording any no 2．That no mechanical method of breaking ar rinding is mote than putialy efficient．
3．Thac the most efticient means of break－ ＂g the globules is by hicat，by fermentation，or 4．the chemical agency of acids or alkaines．
4．That the dextrine，wiich is thu kernel sit were，of each giobule，

## 5．That the shetls of the globules，wheu re－ ucerl to fragments by meclianism or heat are

6．That thougi the fragments of these sleells are not nutritite，they are indispensable
to digestion，either from their distending the tomach，or from some ather causes not under－ stood；it having been found by experimen Wr essence of beef，canino long sustain liff
withont some mixture of coarser or less nutri－ 7 Thiat the economical preparation of a in p aectly bre：king the shetis and randering
the dextrine countained in theu soluble a alid dige toble，while the fragments of the shell
what at．the sane tine rendered more bulky， ay tio more readily to till up the
Bosion Journal of Chem istiy．

We received an envelope on the 11 th o December registered $57 \& 7(09$, containing
sl without any advice．We would hie Wad to leear trom whence it ane．The P．O．is illegible
pia bremding a＂d feedixa．
Mr Mechi，the 1 ince of experimental far
mers，says the smie rule aptitise to pigs as
 Cor her living，for if you feed her hountifuly
bhe will get fat and lave few ligs．But has says to nave good yivs，she minst have the
right knrt of food to nake muscie bone and fat； but avoid the fatal mistake of giving the sow
a large quantity of roots before parturition Let her run in pasture and have a moderate supply of bran，alittle meal and boiled pota－a
toes，a fow turnips but very fow mangolds； moderate supply of peas，buans，and bariey or anded indian corn may be
and green beans in the pods．
Nothing comes amiss to the sow．The
great point is to give a variety，and not too nuch of one sort，espec ally roots．But after paatulation roots may be more liberally given， especially cabbage 1 ln conjunction with other diet should be sparing and cooling．In cold weather，warmth and suelter are indispensable． Never alluw a pig to bury himself in stable man ground For fattening pigs nothing can beat one－third pea meal land two－thirds barrey－
meal；if mixed wilh skimmed milk，steamed wal；if mixed wilh akimmed milk，stea
roots and potatoss，they grow and fatten fast
He fattened two hundred hogs in one seuson He fattened two hundred hogs in one seaso
without losing any by disease．To proniot ventilation they were all placed on sparred oors，and in hot weather they were treated ery cleain．He put straw on the thoors in cold wsather，and he says piss pay in mianure bet
ter than most othee animals．They should er than most othee animals．
lave salt and plenty of pure wrter．

The Americans have some able writers We give you a specimen of two in the fol－ owing subjects．You may imagine the first epistle

Ry Horace Greely．
Reading Gail Hamilton＇s article on＂Rustic
implicity＂impels meto ask whether our lov－ implicity＂impels me to ask whether our this creation us＂tat obily wrinkenced，to His cont，bald，rheu makes us＂early wrinkled，bent，bald，rheu
matic，＂gives us the＂hard，shrunk，shriveled， look，＂and decreses us to＂bequeath to our childiren diminished stature and enfeebled
frames．＂Gail Hamilton says such is the fate trames．＂Gail Hamilton says such is＂he Watc
of＂the actual，hard－working farmer＂which
nost men are and must be．My father was most men are and must be．My father was
of this class，an my only brother is；so were
ond ar as I can trace them．My paternal grand father raised nine sons and four daughters，and My father was au unusually hard worker，al ways a farmer，never worth $\$ 2,000$ ，generall woith from 0 up to $\$ 500$ ；he died 86 yeari
old，and five of his seven children survive old，and five of his seven（hilden surlie
from 60 to 49 years old．（The two earlies
died in infancy．）My uncle John born two died in infancy．My uncle John born ta
vears after my ther，has been a farmer al his life；he is now 87 years old，but crect and
vigorous；his eye briyht，and his voice as full and ringing as most men＇s at 50 ．He is the
last of the thirteen childdren of my grand－ father；one ouly died of consumption at 33
vears of age，leaving six children，of whon vee are still with us the rest of my father＇
ive thed to he from 70 to fears old except one who died at 50 ；and hic years
was not an an halitual worker．All the rest were
farmers or farniel＇s wives－none of them over farmers or farnuel＇s wives－none of them over
rich；most of them quite poor；yet not one of
the bald；＂not one of them bequeathed＂to his
blidel sel children（and all them had ciildren）＂dimin－
ished stature or enfeetled frames．＂Here a large faniuly of poor．and generally hard working farmars，t＇e descendants of a race of
just such，who have lived by tilling the hard， year 1640 ．I sul Newit the facts in opposition Gail＇s naked assertion．I happen to bee
the only（Hie of the crowd who might be callcd ＂bald．＂I was mure＂bent＂at 4y than nyy
father or his father at 70；and I am the only one who eer
by farming．
But is farming hard work ？
To some I think it is．The very phor have
to tike in this as in other pursuits，the rough st and hardest tasks．To clear land heavy timber，or stones，or staups，wh har
work；and in farming an in other pursuit，he
who cannot make lisis head available，must do who cannot miake his head availab．e，nust
the more with his hands．The negrous o amaica，accustonsed to wheel－barrows，lifted these with their content oo the altitude of their thick skulls and walked
off with them．I should not wonder If this made some of them appear＂bent＂，or even
＂bald；＂possibly＂rlueumatic＂niso．If so they suffered not from their addition to til
lage，but from their lack of intelligence－ brains．
My rural home is in a township settled by Quakers，and atill mainly peopled by theni
2 （early all are farners；sume poor，others in very comfortable circumstances． 1 am con fident they do not average four tair days huidied or so is＂wrinkted，＂＂bent＂， ＂bald，＂by resson of excessive labor．I doub that there are five men among then who work
or worked so hard at 30 as $I$ do at 60 ．Y ar worked so hartably，and most of them ar adding to their worldly store．
Again：
When I
When I was a farmers boy，the average
farm－work was harder，that is，it required
more muscular exertion than it now does．－ mowng and reaping severely taxed the phy－
sical energies of the stoutest；and they were sical energies of the stoutest；and they were
the chief business of the two hottest months
of aach year．Now，horses mow and mean sinply guiding then．Hoeing corn，potatoes，
etc．drew the cultivation is mainly horse－work．In the West farmer rites in his sulky，tilling his vast ex－ 14years running thirty－horse engines on the ich，alluvial plantations of the lower Missis sippi，not merely plowing，but tilling crops of
growlug cane a foot high．Negrees，latell growlug cane a that high．Negrees，latily
siaves，guiding the plows and cultvator
which did far better as well as cheaper worl which did far better as well as cheaper wor
than horsa－power ever did．I have not
donbt that nine－tenthe of the dhanbt that nine－tenthe of the cultization of
dhe great valley will be iumpelled by within the next twenty years．In other words，steam will do the work，directed by human intelligence．And so fast as labor b b ．
comes intelligent，will drudgery cease．Bidd comes intelligent，will drudgery cease．Biding
and Dinah wil not use a washing machine；
when they abdicate，their educated mistres When they abdicate，their educated mistrese
will not work without one．And so in other departments．And now as to the city man
rural birth，who＂stands erect，＂＂walks ela ti：＂＂is at peace with himself and the world．
There are such，undoubtedly．Those who But what proportion do they bear to those
Who have rushed into cities and failed？I have been here forty yeara，neither though less nor unobscrvan，mad，have ded herer in
more country born meu have
prisons，hospitala and thealms－louse，in theo prisons，hospitals and the ellms－1／2use，in these
forty years，than have achieved even＇ 44 modeet competence．And day atter day my moul
cons and sickens at the never－ending procession of the
multitude who crawl on the knees of their multitude who crawl on the knees of their
spirits to those who lave achieved position and Means，with the beggar＇s petition＂Pleaso give me something to do．＂I never knew a man or woman to grovel for work while
a farnerl＇s boy in the country．I am sure Gail Hanilton did not mean to make my life more care－fonght and sad than it need be，by com－
peliing ne to say No to more and yet nuore of thing abject petitioners：yet that she has doue．－From Wood＇s Household Magazine
for October． or october．

## what i enow about farmina． <br> By Gail Hamilton．

Alas ！I am in an evil case．I have made Therrection which I cannot prove．I Bpoke of ontrasted the erect to ifure and and elastic foik，atep of
he lad who went to the city and lasie his for une，with his premetureity tyad made hade his
tic coorrades who fought it out out ont the fheum
town down comes Mr．Greeley upon me with a regi
ment of uncle，aunts，and grandiathers all
arwers all straight， ment of uncles，aunts，and grandiathers，al
faruers，all straight，momoth，hairy，nd hun
dreds of years old，and marahels shem＂in op
 well to bring on your bribht．e．ey＋，heary－haired
ancestry to eoonfute ard confound your foes，but
think of the she－bears that would come out of

 to Horace Greeley，ien proon must still stand un
No，my＂naked asertion＂mun
clothed upon，fur I cannot afford to pay the price of a wardrole．Yet I did draw from life，
not upon imagiation．My paint ng was a por trait，and no tancy sketch．My keneralization
may have been wrong，but my bbervation was
right－unless，indeed I
 only deny its correctneas，
maintain that I never male it And no more than I can prove ny own stato－
ments，cau I disprove Mr．Greeley＇s；but I ments，call I disprove Mr．Greeley＇s，but 1 dan
do the next best thing，and show that they do not amount to anything．$I$ admit that hit
family are all as tall，and hale，and old，as
 ＂bald＂est
crowd，think
his farming his farming friendedida arthirty，with all
hard coity work and fity eare，he has a face lit
he the full moon for ronnduess and fairness，and
placidity，and his voice is the voice of tranquil．
ity ity，and his step is the step of abstraction，un－
digurbei by hurry．When，therefore he ar－
rays his farming friends angainst my forming
 deal lock！We are just where we wero when
we started，隼 the Greeleys are all handsome ogether，，nd ruled out of court．
What $I$ know about farming is that as
it ex． ists before my eyes．It is hard work and wear－
ing work，and uncertain worz－or rather uncer
nin tain wase．In the long run I suppose a man is
an bure of geting a living off a farm as any
where elise，but he is tolerably sure of not gettine
 own 能保es show this．If farmers are healthy
happy，and wise，of course it is imnaterial
whether they are worth two thousand or two

## FARMER'S ADVOCATE.



In our last issue we intended to have
enquired for the New Brunswick oats, but through some error, the Norway oats were command before, and were offered any quantity; some asked $\$ 1$, and some 50 c . for them. We never spoke very highly of
them ourselves, in fact the first lot we rethem ourselves, in fact the first lot we re-
ceived from the States so disgusted us from their appearance, that we sent them back ; but the demand for them came
from so many sources that we found it actually necessary to procure and disseminate them. Nearly all speak well of the think them no better than other oats, and some consider them as we did the first

\section*{| tin |
| :--- |
| bu | bu}

reports, but from all, the numerous favorable a humopinion. We still consider them our
yieldin yielding oats, but they have been rather
over-rated. The old Emporium oats are
still still considered good, and the Westwell or
Black Polands are as good black oats as any for feed, but they are not generally Thed, because they are late in ripening
The New Brunswick Oats are giving satisfaction. Mauy of our readers may not be aware
of the nature of the different kinds peas, as eur circulation has greatly in cr We
yea sown on foul or poor land, they will not do as well as the Golden Vines, Creepers
or the Strawberry Peas are long-strawed good white peas, and are common throughout the country. The
Prussian Blues are not cultivated so ex Prussian Blues are not cultivated so ex
tensively as the above varieties, owing to their colour. The Californians run too
thech to straw and are late in ripening much to straw and are late in ripening
they are of a golden-yellow color. Per haps the prettiest pea to look at is the
Marrow-Fat, but it is no favorite in thi Marrow-rat, The Dan O'Rourkes are now
section.
coming into cultivation as a field pea coming into cultivation as a field pea
they are very early. The Anericans hav taken lots of them from canada for seed,

expect to be able to introduce a new va-
riety next month, when our seed stock will riety next month,

$$
\begin{aligned}
& \text { be more complete. } \\
& \text { The McCarling }
\end{aligned}
$$

success last year; wheat met with varied success last year ; all that we have heard
of that were sown early did remarkabl well, but those that were sown late did but very poorly. One farmer we know
sold this variety at the barn sold the
bushel. We shall have as much difficult in procuring a stock this year as we had
last, as it was sold in small quantities and last, as it was sold in small quantities and
went over a large extent of the Dominion went over a large extent of the Dominion. to hand-pick it, therefore we must suppl it as we find it. If any of you have five or ten busbels to spare, let us know, as we
have already had demands enough to take our whole stock, but we have not yet fixed a price; it will be high. This Wheat
yielded more than any other in our townyielded more than any other
ship, both this year and last.

Annual Meeting of the DairyThe annual meeting of this Assaciatio The annual meeting of this Assaciation
will be held at Ingersoll, on the first Wed-
nesday and Thursday of February nesday and Thursday of February. Mr.
A. Willard, a representative of one of the useful and valuable American agriculturs1 papers, is to deliver the annual address.
We once heard hiun at Ingersoll, when he delivered an address that would be of advantage to any farmer to hear. We hope
more of our leading farmers will attend
this gat this gathering, as they have been the best agricultural meetings we have ever at
tended. If this one is only half as good as the three last meetings bave been, you will be a gainer by attending it, even
should it cost a few dollars. We presume the usual arrangements will be made with the railway companies, that is, to return
the members of the Association for quar-
ter fare, or sometimes free. We do not ter fare, or sometimes free. We do not
tell you all to go, but fill the Ingersoll Hall, which is not large enough for a very
Holl a for the Hall, which is not large enough for a very
large mass, and show them they must
either find accommed annual meeting in Loondon, or some other place wh
tained.

Homa Talik ro Girls.-Your every day
toilet is part of your character. A girl that toilet is part of your character." A girl that
lookg like a "fury" or "sloven" in the morning, is not to be trusted, however finely she
may look in the evening. No natter how humble your room may be, there are eight
things it should contain, namely:-A mirror, things it should contain, namely:-A mirror,
washstand, soap, towel, comb, hair, nail and tooth brushes. These are just as essential as your breakfast, before which you should make
good use of them. Parents who fail to progood use of then. Parents who fail to pro-
vide their children with such apppiances, not
only make a great mistake, but commit a sin only make a great mistake, but commit a sin
of omission. Look tidy in the morning, and
ofter "tter, dinner wotk is over, improve your toip
"dre. Make it a rule of your daily life to
"dress up "dress up" for the afternoon. Your dress
may or need not be anything better than may or need not be anything better than
calico; but with a ribbon or flower, or sonee
bit of ornament, you can have an air of selfespect and satisfaction that invariably comes
with being well dressed. A girl with fine sen with being well dressed. sibilities cannot help feeling embarrassed and hair unkept, should a neighber come in. Moreover, your self--respect should demand the
decent apparelling of your body. You should make it a point to look as well as you can,
even if you know nobody will see you but your-
self.
person to represent your interests last me, be on your guard and do not havea year. It may be easily done ; $a$ few dol. lars may carry one of the divisions in which you are. Two will make a tie ; the
casting vote has already been once given casting vote has already been once given his place with anoother person no better
fitted than his predecessor and having less experience. Let the name of your candidate be known in time. You do not wish disgrace to you. We believe the same members that have formed the Board will be candidates at the coming election, and
if you have better men in your divisions if you have better men in your divisions
by all means send them. Just make this enquiry of any new candidate that may desire the honorable position: Do they take any agricultural papers, and if so are they published in Canada? If they
do not, you may pretty safely set thenie
down as political dodgers and Canadian agricultural prosperity in view a straw will often tell which way the wind
blows. It is more important that you blows. It is more important that you
should attend the annual meetings this year than heretofore, and much will depend on the efficiency of the men you send. We believe the future powers of the Board will be far greater than they
have been, and to the influence of that Board you will have to look if you are not to remain in degrading serfdom, as the majority of our farmers are at present. position in Canada, but where aremost position in canada, but where are we ?
Toiling and paying for all! We have to pay for the ornamentation of the cities,
with every one of their costly and mag. with every one of their costly and mag-
nificent buildings; all the large salaries; we are taxed to establish the Technological College, and for all of the Mechanics Institutes; yes, and we are to be taxed
for this Agricultural College, which we for this Agricultural College, which we
fear will have to be disposed of as the last Government'Testand Experimentalground has been, because it was an expensive and
useless estallishment. The foundation of useless establishment. The foundation of
this one is rotten; it is laid on stolen this one is rotten; it is laid on stolen
ground for tyranny and oppression to farmers, and to trample down private enterprise ; to afford fat oftices and rare opportunities for a few political demagogues,
that stole the foundation stone. This that stole the foundation stone. This
College must be under the control of the Provincial Board of Agriculture, and if it is to be of any good to the farmers, it may possibly through the management of the
Board become a very useful institution Board become a very useful institution,
but if not managed right by them, it may be just the reverse.
It the Government really wished to good to agriculturists, they, would first aid them to establish farmers' clubs, agricnlof agricultural information, but they have aimed to check information. They have not heeded the voices of county councils or agricultural societies; they have preferred to keep us in darkness.
We must strengthen our agricultural representatives if our agricultural interests are to be protected, guarded and fostered. Attend at the elec-
tion of ofticers this year tion of officers this year.

## George Brown's Annual Sale of

## Short Horns.

This sale took place on the 19th of December. Forty head were offered, thirty was large, many having gone with the intention of purchasing, but found the stock not as good as they wished for. The any
mals sold were principally his culls; they were a better lot than those sold last year. He has between 100 and 200 head of Short Horns left. The pri es averaged a little over $\$ 100$. He has made a valu-
able addition to his stock since last year, having procured some good imported animals. We met Mr. Brown on the farm at the time Mr.Bown sold his stock-he being the gentleman from whom G. Brown pur-
chased the farm, Mr. Brown then told us he intended to show that farming would pay for investment of capital in Canaden

If this was his present operati
taking, and if British capital We hope he ma
rate. He is do rate. He is do ers and importe
The opinion of
we have we have conver not make it pay
large and expen: not well arrange ways an easy m
haps we should haps we should
we to step beyo pubicc are invit wish Mr. Brown
when that endeavors
interests, succe interests, succe good profit on $t$
Dverthrow
and Revi
The Coalitic gradually becon
farmers of the farmers of the
City interests sanctioned to $t$ farmers were $m$
tion, and select tion, and select contidence in.
overwhelming is not our duty or condemn the
acts, except in acts, except in
will briefly see will briefy see
against our int

Their only g
ing aid to dra have made a but remove t
would disclose would disclosc
has been done large swamps h
The moneys, w much more be applied if the
under their ow age of swamps

Their emigr
deplorable. I should have Vacant lands
They have They have so
settlers' lands has caused suc ers and farme
settlers, that $t$ settlers, that t
sands. We ha sands. We ha
ished by poo ished hay poo
that have to b at their own e
drive them in Mrive them int
their maintain are here would
the Govern briuging the can be arriv
tered over $t$
ers tax thems ers tax thems
thein to keep they get fairly ty into our rocky
remove. It poor emigrant usual tale-f
employment, have seen hin
We know of We know of
his land and Government
from him, an for which he
these and si these and sim
vur best nien

Farmers :about agricu
fovernment
them in dark that they mig

FARMER'S ADVOCATE.

## our incer buen  done ; a few dol. the divisions in fill make a tie ; the fill make a tie ; the an home and filled person no better ssor and having lesi ame of your candiision that will be a believe the same med the Board will ming election, and ming election, and n. andidate make this position : Do thay papers, and if Canada? If the y safely set they eers, and not having

 prosperity in viewwhich way the wind mportant that yon
nual meetings thi nd much will dehe future powers of e influence of that look if you are not
ng serfdom, as the aers are at present, put where are we \& ation of the cities,
ir costly and mag
and Ithe large salaries;
lish the Technologiwe are to be taxe College, which wo
isposed of as the last Experimental ground vas an expensive and
The foundation of t is laid on stolen down private enterlitical demagogue ation stone. This Agriculture, and if it o the farmers, it may management of the cht by them, it may
really wished to do they, would first aid acourage the spread ation, but they have of county councils cieties; they have hen the hands of are to be protected,
Attend at the elecear.

## Anm

on the 19 th of Desold. The attendance ng gone with the inished for. The anipally his culls; they
than those sold last The and es averaged He has made a valu-
tock since last year, e good imported aniBrown on the farm at
ld his stock - he being whom $G$. Brown purthat farming would capital in Canaden

| If this was his object in commencing his | The Canadian agriculkural papers have been |
| :--- | :--- | :--- |
| present operation, it was a noble under | nearly trampled out of existence | taking, and if he should succeed in it British capital would flow to our country, We hope he may succeed in that at any

rate. He is doing good, as all other breed ers and importers of improved stock are The opinion of all Canadian farmers that
we have conversed with is, that he will we have conversed with is, that he will
not make it pay. The undertaking is a not well arranged for saving labor. It is al ways an easy matter to find fault, and fer haps we should be exceeding our duty wer public are invited, and which, for the time being is looked on as public property. We
wish Mr Brown and every other person wish Mr. Brown and every other perso interests, success, and shall only be to
glad if he shows that he is able to make good profit on the investments made.
Dverthrow of the Late Ministr and Review of Their Agricultural Acts.
The Coalition Government had been
graduadly becoming unpopular among the gradually becoming unpopular among the
farmers of the country for many years. City interests and private ends have been sanctioned to the cost of the farmors. The
farmers were more united at the last elee farmers were more united at the last elec-
tion and selected men who they had mor contidence in. The result has been an
overwhelming defeat of the Ministry. is not our duty in this paper to laud or or condemn the former Ministry or their
acts, except in regard to Agriculture. We
will briefly will briefly see what
against our interests.
Their only drainage.
Their only good measure has been granthave made a very great talk about this,
but remove the veil but remove the veil and perlapiss thi
would disclose whose particular bencit would disclose whose particular benefit
has been done tor. Has there not been large swamps held by Government patrous The moneys, we believe, would have been much inore beneficially and economically
applied if the municipalities had the apphied if the municipalities had the work
under their own control. Still, the drainage of swamps was a necessity.
emigration.
Their emigration policy has been most
deplorable. It is of importance that we should have cheaper labor and have our They have sold the timber of the settlers' lands for a mere nothing. This has caused such disgust among our farmers and farmer's sons, who are the best
settlers, that they have left us by the thousettlers, that they have left us by the thou-
sands. We have had our country replenished by poor, shiftless city operatives, that have to be maintained by the farmers at their own expense, as the citizens soon
drive them into the country. The tax for their maintainance for the first winter they are here would amount to all the money
the Government have expended for bringing them here; but no account can be arrived at as they are scat-
tered over the country, aud the farm-
ers tax themselves ers tax themselves, or give in charity to
them to keep them alive, and as soon as they get fairly on their legs they go to the into our rocky country that they cannot
remove. It was but yesterday that one poor emigrant called at our place with the
usual tale-five children sick lushumb employment, all in a pitiable plight. We have seen hundreds of such or worse cases. We know of one emigrant that purchasel
his land and timber and paid for it. Thi Grovernment act ably took part of his ant for which he had legally paid. Of course these and similar acts have tended to drive vur best neen from our shores.
information.
require all the
Farmers require all the information
about agriculture thes can obtain. The about agriculture they can obtain. Th
Ciovemment have thought hest to keep
them in them in darkness as wuch as possible, so
that they might the more easily control them

The Canadian agriculkural papers have been
nearly trampled out of existence. The
most unjust and arbitrary law has been enacted and enforced, of prepayment of of postage agricultural papers, being
double the ratethat political papers are charged and allowed to pass on credit; this we knowingly and
uhhesitatingly assert has been done
for the purpose of tram for the purpose of trampling down agricul-
tural papers that wculd not become political engines for them. This has tended to loat our country with American agricultural papers. This may have caused many of our farmers sons to leave our country, as the prosperity of agricultural papers
speaks well of a country. Perhaps this act alone has done more to depopulate our country than all their lauded emigration xpenditures have done to induce settlers to come here.
There has
the establishment of farmer's clubs and ibraries.
They have encouraged in no way the in roduction or testing of seeds. Although the imely introduction of new varieties, partiularly when the midge was so destructive hey never moved a finger to relieve us of or dissemination of other varietics. When the potato rot was bad, or when our old varieties become so degenerated that we could not profitably cultivate them, they better sorts. And to show their utter shortsightedness of the farmer'r interests, they compel them to pay just four times as
much for seeds to be sent through the must as they charged for papers.

їтоск.
At the time the cattle diseases were preto be used for American cattle, and no proper infection preventatives were enforced. onr country. They were warned of the danger, but what did they or what do they the present moment of importing a disease rom Europe. No measures are used to
hinder its introduction among us. Who could estimate $\downarrow$ the loss if a disease once takes rest in our land. It has not been
from good managenent that we have thus from good managenent that we have thus
far escaped. They allowed one hreeder to
mport stock,
duty free and made others import stock, duty free, and made others
pay. When a rumpus was raised they disgorged.
They
They made an attempt to check the in
troduction of the potato bug after it hai troduction of the potato bug after it had
spreal over 200 miles of our country, and all over the Agriculttural press had given
all the remedies and knowledge about three months before.
implements.
An importer wished to introduce a new kind of labor-saving implement such as
was not known here, lut will becone of value if they are linown. The inventor presented one to be introduced, tried and
reported on; and lo! 10 ! 10 ! the Governinent securel the implement on the leas
possible pretext; and what! what!' what one of thuir own private pard public ser vants takes it without paying dues, freight,
or anything clse, and appropriated $t n$ his own purprses or ends. We will not ex
tend on the implement line but turn to

It is Markets.
It is of importance that the farmers their prodictions. Our Canadian pork has ter price than the American pork, the Am-
erican porl being of inferior quality. The to ship their pork into Canada, and have it packed here and sent out of our country, on purpose to obtain our prices, equiva-
lent with Canadian pork. This act must cost us farmers a loss of hundreds
of thollisands of nollars. It will the of thollsands of yors to recover the taod
us to
name for our pork that this act on the
part of the Government has taken away
rom us. At the time the last treaty was rom us. At the time the last treaty was the United States, we believe the farmer's interests were not taken into considera
tion, otherwise, had they been, we think this regiment of Custom Hous
officers, and all those tide waiters and political Custom Houses in our cities might have all been swept away
along our frontier lines. The expense of maing our from this hungry, and we may say, from close observation, thievish retinue, for they know how to make pickings-
is enough to sink our country. We farm. is enough to sink our country. We farm
ers have to pay it all, why should our iners have to pay it all, why sho
terests have been overlooked?
the agrictltural board. Attempts have been made by the lat
Government to overthrow the Provincia Board of Agriculture. The Western Fair was started to rival the Provincial Board and power over the farmers in the hands of the executive, to erect an agricultural college and carry on a test and experimen tal farm, and to make it a powerful politi-
cal engine. We know these things bette than many others, because we have reject ed offers to enlist us for that service. They have totaly disregarded the voice o Agriculturists, of the Board of Agriculture,
of County Councils and Agricultural ${ }^{2} n$ cieties.
We may say that Agriculturists have gained in wealth during the past years o
enchainment; but the cause of their suc. cess is in no way attributed to the Government. Canada has made her wealth a the expense of other nations. The Cr mean war and the war in the States peure
wealth into our coffers. We have not t thank our late Government for one cen thank
of it.
the new ministry.
We have confidence in the New Minis versed with some of the gentlemen which it is composed. We are sure that many of those things, of which we hav as soon as possible. Farmers, we shall in this paper, endeavor to advocat your interests as heretofore, and believe for you.
ode to a btar.
Beautiful star,
Why roam so far!
Why not conis near,
When to me thurr
When to me.thourrt so dear
Pale little star,
'Tell him that's afar
That where e'er he may roan
We miss lim at hone;
Ask him to come, For still there are some
Who fondly hath cherished
Each fond tie that perished
Each fond tie that perished.
Go tell him alone,
That if tears can a That if tears can atove
For the hasty wods spoken,
To seld me sume tokent.
Will he never forgive
Then why do I live! Shi!. kind little \&tar,
A. $k$ lim that's afar.

The wouschold.
 papas and manmas will kindly base mith us is


 member that they were vong themsel ees on
 1 wonder what new list of plays and fun we
can get up this winter. Of course we have

 on the man who fritit inverited slidioh hiriday




 tenths of the year, tha
the pure frosty young gentleman who oill take us out the
yon oftenest for a drive! May the never want for
paper cellars and paper collars, and pretty plaidid neckties ? May
his sugar-loaf hat never fall Sunday boots never need blacking. That's so! Let us now look after our games for the ev-
ening. There are the grand old games of
"Blind Man's Buff," and "Frenchman's Buft.", Then we have "Ships arrived." "Post Office,"
dc., wte. to the end. There is a very nice
game, which can be played without noise, and game, which can be played without noise, and
when played nicely (especially if we are anywhen played nicely (especially if we are any-
way intelligent, II salso quiti instructive. We
call it "Dauras Game.". As it may be new Eame, I will des cribs it
$\qquad$ an anch in width, one ; being two slipe of papeer inches in
and ength and the other about one and a half
nches. Each person then writes a question ances. Each person then writes a quaestion
in the long slip. and a word on the short one. course they can ask any question the.
ike, and write any word that comes into their eads. These are then collected and well that a person can get their hand or anto, but not not
targe enough at the mouth for them to se the arge enough at the mouth for them to see in-
to when the haxd is in. Each one then draws a long and a short slip ; on the longest paper
they of course find a question, and on the hort one a word. The fun now is to answer he question so as to make it rhyme with the
orord Suppose one of the company draws the question. "Who "Was the oldest man m"
and the word, "hoe." He must put his poetical talents to work and make rhyme of some
ort, or be styled the dunce of the evening. For instance he can write down on the
of paper :
"Methusaleh was the oldest man,"
As every one must know;
He raised his root crops from the ground,
And never used sop Agafn, should any one draw the question,
What season is passing ${ }^{\prime \prime}$ and the word, heaves," if they happen to be playing in the "Beautiful autumn"
TTe the trembling, rustligg leaves, Boisterous winds are tolling itt kuest
See, with sorrow, the lake't bosom "h
It is really laughable to behold the consternation depicted on some of the countenances to the guestion, which is in general the case. I remember one person drew the question, phant." After considerable ruing
succeeded in writing the following
"Noah built the Ark" aslant, Like a tired and worried "elephant." Hoping that some kind friend will send as I conclude my observations. I. I. Incu. P. S.- I hope and trust that parents will
see thaving all their "little dears" well
prect protected from cold and snow, by good woollen
clothes and whole leather boots. Do not allow those pretty little girls to go to school with space ohd the frill of their muslin pantaletts
tops ahe and do, for pity's sake, put mits and a cravat
on that pale-faced little boy, or perhaps in a on that pale-faced little boy, or perhaps in a
month or two, you may be digging a litle
grave or two.
I. F. I. We are pleased to receive a communica-
tion from our old friend, "I. F. I." It is so long since we heard from you, we feared some unknown cause had prevented your
writing. Your selection of the "Old Dragoon" is a capital thing. Accept our
thanks ; send more of your selections and oblige.
To prevent mistakes, we request all our cor-
espondents and teaderss to datat their commun.
cations from the Post Office to which their cations from the Post
papers are addresoed.
It is only by labor that thought can be male
healthy, and only by thought that labor can bo
made hapery.

FARMER'S ADVOCATE.

THE ADDRESS of the Hon. J. Skead,
President of the Agricultural cand Iits Association of Ontario, dciiv ersd at Kingston.
We have filled our paper for the past three mouths with so rize Lists, \&c., that we had but little space left for other matter. The President's address was such an
able and useful one, that we have kept it until now. now and twenty years hence. We have italicised one very important part of the address. The Hon. J. Skead, the Presi-
dent, is Conservative, and the Hon. D. dent, is a Conservative, and the Hon. D.
Christie, the former President, is a Reformer. As Presideuts of the Board, they
have both given entire satisfaction to that have both given entire satisfaction to that
body of gentlemen. They have worked
ion 1. 4 . try. portion we have italicised, and the farmers of Ontario also, except the pro moters and prompters of the Western
Fair. They, under the guise of crying Fair. They, under the guise of crying cial Poard, are aiming at a hundred-fold
groater tax to carry out their plans at Mimico
A short twelve months has brought us from exhantive address of my predecessor in oftice to my owa, which, in accordance with time Without a pologizing for the treatment, I may say that the theme is deserving of the ables
effirt. We are met together at this city of Kingston their presence what the farmers an mechanics of the Province of Ontario have
lent their time, talents, and akilities to schieve during the last twelve months. The result of their labors in their respective deparitments
have been openly exposed to view, and it is for these who have seon to decide if in thi a short space matted in its snowy drapery, ol mother earth does noi throw out from he
nupte bosom as fair and sightly products as
fin Howish and thrive in on move southerly latitudes.
Here it is the band uf man that wrests from Nature what shie gives elsewhere more un Grudgmagly; but in a contest, men carn to
hight moner bravely and ducceed more briliant-
ly, and N.ture to yield more gracefully and abmitanty. The very obstacles in our way stinulate our energies and crown our hape
Tlanks the the Giver of all good, the harves. of this season has been a fruit ful one.
Amidet prowund peace the husbaiduan has
gatliered his graiu into the garner. Whilst in other lands the land of man has been raise Gaint bis fellow-man, to saciay and destroy strife beine one of friendly rivalry to show
how far Canada couid contribute her quot: towards adrancing the peace, :o osperity and
weil-being of all mankind. frtuntely, in the delitherations of those wha contre! our publie affairs, moderate conacils have prevaled,
and the small black cloud in the this ace


 peaceful
The maxim of the Brilish Limpre is peace. ested in construing that word literaly. it our
motto is defence, not delidure: and aithon on any and every ocation s. in rest
 interest is extending our r inspsssions, witil wo have stretched in one Anglo-suxon belt from
the Atiantic to tho Pacitic-an intant Hercules, immature as yet, but givng sivns of in
herent strength and qualtios whish, whicn herent strength and 'qualitis whish, whin


## 

 kind ma benitient Providence 1

 average; timely showers throughout the
season have filled our barns, and in some cases
over-filled them. It would be of inmmense advantage could a proper and more efticient sysem of drying grain by artincial means be
dopted, and the great cost of the storage in
ulk of grain and straw be in some nuesure
 Lessened. As farming, like other business
pursuits, conies to be more systematized, and
fair proportion between the number of acres a fair proportion between the number of acres
cultivated and the capital employed is better would naturally follow, until the whole is reduced to the position as a scientific pursnit to Whish its great impurtance to
entitles it.
The scarcity and high price of laber natu ally lead to the introductirn of mactinery to Supplement ranual lation
reaper las supplimented tion
ook and cradie used not s we proerdie ised not many years ayo; and ther mechanical contrivances will replace our Progress should be the farmer's aim. He should study how to obtain the greatest pos
ible yield from the least quantity of land
with with the least possible experse; he shoild
educate himself to that intent, and not alone ectuaself, but those who nay come after him in the same occupation. The son should be the mean ignoble one it is the sumewhat con-
mon error to suppose it to be; he shovil t sinonn that properly to till the soil requires
ail the intellectual faculties men are commonly endowed with; that it is not merely a question
of brite force and ignorance. but require a'so head and intelligent effort. The true armer is a member of one of the noblest pro-
fessions; lie is a chemist, a mechanic, an as tronomer, a botanist, and in fine, an inteligen olsserver of God's works in nature; a man on
intellect as well as of action. It is the grea Hiistake of the day to imacine that th
faruer's son who gives the smallest possibl evilence of brains is altogether a too superio
beint to tread in the foostens of his father ont must perforce be ther of the so-called learized professions whereas, in reainty, he forsakes the avocation
he was mest suited for by nature. Thews and sinews are no cisgrace to any
nan, and it were well that the present generation should pay more attention to the
manners and cust mins of their furefathers who reduced a primeval forest into culivated Who red
fields.
The The firncr should endeaver to make his
calling attractive to his clildren; he shonid introduce a little taste into his surroundings; ; it is not enough to own a honse mercly, but
something should be done to nake that house peely, pleasing and attractive- A nucle
around which would gather the affctions and sympathies of the entire fanni.y. The on
hinmestead should be a thing of beauty as
we'las use. slady trees shouid overton it we as ase; slaty trees should overtop itin
rafteas; bright flowers and fruits should find
tiei
 saia'. The cliflen plavin! around the door
 rolndings. Thie bleak and harren lirih-phace
cunt prodice no feelings of love, no wish to live the homely hife of the furner, but rath
drives them irom it and throws them int wites niem
other pursuts.
Here in Can

 تreatest amount of sheiter with the fivast ex
"ens:
Fawn alchitecture is vell deserving
creater attichion tlian it leceives in thin
cjuntry. In Engl nl, where pioperly con country in Eng in, where pioperiy con
structid bri dings are not aboolutepy indi.jen
sible as thy
 roached that rint whon the famer shnila tion which phaces lis lumithiow as fancy or the
 ntended; a constant scurce of amnoyance,
causing more trouble and expenve to the
owner in the care of his stock and the super
vision of lis farn duties than would have sut
jced t ision of his farm duties than would have suf-
ciced tricicover to have reduced the whole, in the first instance, to a well dizested and or anized plan pervading every department.
nliohtning hisi labors, and sladdening beot
bil ganizen
enlightning
heart and
pride.
There pride.
There is no gnod reason why the buildings
on a farn should not be arranged for the in-
 A few feet of shaf ios in each farm, with either steam or hiorse power as the motive
agent, could not fail in a short time to repay
at the full the first cost. to the full the first cost.
In the
In the management of the buildings the
root cellar should be carefully looked after, root cellar should be carefully looked aitter
as the storage place of ore of our nost timpor-
ant crops, it should for convenience of feed ant crops,
ing be easily accessibie in in all weathers -in
fact serve fact serve as a point around which shoub
cluster the other childings. I have no doub
that feeting of cattie would be much mo cluster the other caildings.
that feeding of catte would be much $\mathrm{m}^{\prime}$ i
profitabie than it now is were the steamins profitabie than it now is were the steaming on
fermentation and cutting of their food m sermentat on and culdins of Without plentifin
systematically attended to. Whes
manuring ne successul result can be expecte manuring na successful result can be expecte
front the farm, and the best manufactory fo
that manure and where it can be most readi that manure, and where it from the cattle f
and profitahly procured, is fron at home, whether they be in the form of be
for the market or in the sill more desirali, form of dairy cattle. In connection with this last subject I am pleased to see that throug
put the country generally farmers are out the country generally farmers are pay
increased attention to the products of th
dairy. The trade in bu ter and cheese is ready an important one, and is stiil suscept tibl great enlargenent. Cheese factcries hav
becone an institution amongst us, and thei goodeffects are most sensibly feit in the districts in which they are located. Thipe that
no section of the country will be without it. no section ond that our exports of these two
factor), and
articles will be rreatly angmented. Cattle fed at home consume for the most part thro
and
and return for $w$ bat they eat they give you mea
nd many things beide, as well as the material and many things beide, as weel as the material
for enriching your soil! The man who under-
 putionate acreege of roots; and I expect to as it is undoubtedy the foumation storss of
all go d farming and its thorone $h$ cultiration forms a scho l of agriculture in which to
edncate our young men. Our stare roots.
ach such as tirn, is, carrots, mangels, and the rest
requi'e hat litili notice \&i my hands. Their
inportance is already recognized and apreciinporinance is aready recognzed and appreci
ated; but there is one branch of agicultural
ind industry to which I wish to direct yon mos
particull r attention as being nost importan to the conntry at large. I refer to the cuit in
vation of t ', ugar beet, an industry which in
not vatia pre... $t$ to any great extent located
not at
anongst us, but which in France, Belgi:un and Germany forms their leading crips, and
has beconio a source of wealtin to thone na has beconio a source of wealth farmers, ever
tions. Laterly the Fnctish
alive to improvements and protit. have taken
 and manufacture of sugar tharefrna, with:
capital of two liundred thousaud pounds sterl ing. Ot s.ch moment is he question of its
introduction into Enal d consicereel. that the
Ih Rober Hon. Robert Lawe, Chancellor of tha Ey
cheguer, in introducing into Parliament a lii for the remission of sugar duties, sioke as fol
lows:- "We know that the heet root Hustry
of the "S of the Cortinent is spreading very widely.
There is the pronpect to pruw it with the
same cffert in tlis conuntry;and conid we hope same cfertin so gool as that it could be intro-
for anything
duced witi succe:s, it would be one of the greatest
c untry.

## 

 Sc ety that the growth of beet-routmanafacture of suga in the noth
many lias tended nure then anythin

## 

## the spent heet-root pulp which is the residue left ifter the sachame jui es are ertracile, is lietter food for cattle, and has more mikik-giv. ne propens:us anan ever the root crop, an that its cuiture as a rotation crops a consid eration which should ever he present in the farmer's mind-prepares tho soil for a heavy and superior crop of wheat. I am indebted my friend, Mr. S. G. Harver, for maus va

 passed the French visited Valencienneas passed under an arch upen weich ras in. tion with wheat in this district and the largely increased production of the scil since beet
cont had become an article of extended
st. The hectares of wheat (21 statuto wiltes per acre, now ( 1853 ) produced 27 hea Znd. Where formerly there were only 4.202
ectares 1 der wheat, there are now 240 hectares sown.
$3: \mathrm{d}$. The number of cattle in the district
formerly, to 40,656 in
The Pall Mall Gazette of the 25th bl rarch last says:-"In many parts of the con.
uent beets sugar has nearly, if not quito
riven cane sugar out of the market, and the vercentage of it taken by us is gradualiy bepercing higher than the percentage repres
coming
senting the venearl augmentation of our sugat
sivipes. The total production of beet-root

 James Cairr, Esc., C. B., the Chairman, stated
that the "quantity of sugar imported was ccual to one-eighth of the entire consunaption, while the foreign sugar inported was equal If such be the result in other countries, why
hould not so important a branch of $i$. $d$ ustry be tried here. There is surely nothing insthe the its growth, $n$ the contrary, if properly tiied, I am convinced it would prove eminently sllo-
cess ful and add another to the best of out national proclucts. I would ear nesty recom-
mend action in the matter, and would suggest the subject for the consideration of this.
and of the Governnment of the country.
Ancther inportant fonture in the agrieul-
tural industiy of this Province is the cultivation of flax, which even this year, although not grown to the extent its merits entitle it,
is entirely satisfactory. There is every prot. pect that the price will be a remiunerative one,
and the nnd the great objection to its more extensive
cultivation the fact of great amount
 grachinery is quickly simplifying its manulac
mure and ture and producticns. I am informed that
macliue is now inanuactured in Wcotstok
whell makes as great a revolution in the cult Whech makes as great a revoution in the cu in
ture of fix as the mowing machine made
the culine
 people is bit hesinning to exert its energ towards the solution of the question on
future destinies of Catrada and its pasition in
the fore ranks of civilization, it siurely become un give prominenco and direct attontion th subject whis any subject which may perchance assiss
ne and securs the other. Let no one alio
hinisiff ty the well. 1 ved name of and


 will be dizected. I ask yon, gen
take these tast two sulujects to which 1
adverted into scrious consideration, adverted into socious consideration, and
precept and example encourage the exp

 Wjects of the Board over
the honor fur the last tweiv
sitis. It woullibe supe thy
$2+=4=$


 amount
per cent.
fenture in the agricicu
Province is the caltivy
en this year, althous
nt its merits entitle It There is every pron sin to its more extens
f great amount of man
s marlipulation is with. and labor-saving I am inf
ufactured revoution in the



con

 yind intion pean


The Veterinary School of Toronto, which
is affiliated with this association, is, I an happy to say, under the able manazement fratory, inamer, the number of pupiss entered
for the conrse of instruction next session is thr the conrse ond third year students, be.
thirty second and thir
sidesa number of acricutitual students, and sides number who have gra luat d since 1566 is
the nempect
upwards of thirty. The is $A$ prospect that, in a shoit time, every part of the
country will be supplied with an eductind
intellizent, aod skilled class of veterinar intelligent, and skilled class of veterinasy
surgens, and that the care of the sikness stock, how so much improved and valuable,
will pass cut of the hands of the country will pass cut of the hands of the cout sur-
horse-doctor into those of the conpetent
geon. Witl reference to the Entonol gical Society, our grabit to that society is stin con-
tinued with, blelieve. the best possible results. The objects of that society being so
siinilar to our own.they deserve every encour
agement at our hands. ayement at our hands.
As to the question of the Government as
suming the direction and control of this association, I have only to exdorse the co
clusive arguments of my colleague, $A$ Christie, afainst any such course. I think
it woould be extremely injudicious for the
Government to interfere in that way, and cannot see that any possible good would re
sult fom it; inn fact, I would strongly de
precte any action on their part in that way In the department of arts and manufactures I
am glad to see that the progress is commensurate with the requirements of the country
Eviry branch has been fully and more tha airly represented, and we may well feel prot hat Cupuada can, boast of possessing such
body of artizaus and mechanics as those wh body of artizaus and mechanics as hase whe their handiworl at this ex ibition. This is particularly notice-
able in the department of agricultural implements, a trade which is rapidly assuming vas nop cmployment to large numbers of our peo
ple. The labor question a'ways one of great ple. The labor question a ways one of great
difificulty, has lately so slaped itself as to tax
all the incenvity of onre inventors and mechan all the ingennity of ont inventors and mectan
ics to devise expedients to enatle the farme hinselif at alli suceessfully to carry on his
business. Inmediately that a really goni
labor-saving machine makes its appearance in labor-saving machine makes its appearance in
the market, the demand exceeds the supply and thus two classes are be nefitten, withont
the third, the laioring class, heing in the least degree injured. In ind the other manninature
of the country we find the same healthy tone New industries are erntinually springing up,
and our momense faci ities for manufacturing - such as water-power, of which we posses more and more developed. Our position in pie, and by uniting the two brancles of aar ple, an
culture
future.
You will unite with me, qentlenen, in
yerentially tianking a beenificent Pr, viden
or his many mercies towards nis durinr :







atiscellancons.

## We extract the following from the $C a$ nedian Illustrated Montreal. We think this about as selisi-

 peorle whó shocld sot smoke.In an artic'e on the medical aspect of smok--
ins' tobace, Ir. E. B. Gray asks, in the Food
"Is sumoking injurinus ?" This is an every
day question apt to be put by patients to day question apt to be put by patients to their
docturs. Like nost broad questions of the
kind it involves tar too nany considerations kind, it invoives tar too many consideryos or no. A medical man, who has long been
mo lerate smoker and watched the effect of mo lerate smoker and wand others, here offers fuestirst of all, there must be an understanding about the quality of topace, to be smoked.
Bad - 1 maney, rank, cuickly intoxicating, and
 ou. Fow can smoke then at all none,
hatitually at least-with impanlty. So too

 and








cannot aat enough, beccmes a boon to the
starved nan who cannot get tnough to eat,
and ample illustration of this was funished mony the French and Gem should smoke who
recent war. Again nu man recent war. Agalu no manste in his month, or a wak ald disorderid digestion. In any
such case, he cannot relish his tubacco. It such case, he cannot relish his tivactio. it
shonid be a golden rute with smekers thit the pape or cigar which in not smoked with retish in est especially that furm of it commonly known as a tonic and accempanied with flatu lence. Diarrhoa, as and
smoking.
One of the comumest and earliest effects of excessive or untimely smoking is to make the
hand shake. This ives a a cue to another class of persons who ought not to sinoke - persons, nately, who have weak, unsteady neveve, and
naffer from giddiness, onutusicn of sight, trem--
 symptoms. And it tobacco does siarmin is it in
fuctional weaknes, still lessallowable is it actual organic distase of the system; ; ase fol
instance, whleae there exists any degree instance, whiese hice exise any ive chang
paralysis or other cign of doxenerat ver
in the brain or spinal cord. The improper use paralhe brain or spinal cord. The improper use
in thbacco does beyond guest ion somelow ir of thbacco doon beyon thestion som ehatance
terfere with dive irutrition if nerve substan An illust ration of this famidiar to nculists and
medical men, is the so-called tobecos amaursis medical men, is the so-called tobecco amarirsi
a failure of vision ccurring in excessive smok a failure of visin, iccurring ine excessive Anothe
ers ircm nal-nutrition of lie retina.
class of persons who cughit not to smok. ar class of persons who cught not to smok", ar
those who have weak or unstealy circulations, and complain of such troubles as palpitation, cardic pain, internittent pulse hab.
hands and feet, or clironic languor.
hands and feet, or chronic lanyuror.
Lastly, there is reason for believing that the Lastly, there is reason for believing that the
hatitual use of tobaco is likely to retad th
due growth and developnente of the borly. due growth and development of the body
so, no cne should become a smoker nutil he is so, no ene should become an
well past the period of puberty. Ryss, morejver, have no excuse for smoking, for they are
spared the hard wear and tear of aduit life. pared the hard wornting those who from idioNow, after elimiaating thiose who from bodio-
syncrasy cannot, and those who from bity ailment ro from tender years should not sma ke, here will still always be a large resiumun of
happy folk who can smoke, enjoy smokirg, happy folk who can smoke, ent There a
and are indeed the better for it
they who ne tobacco without abusine it they who nes tobacco without abuasing
it, that is to say in moderate quantity, in it, that is to say in moderate quantity, in duse
sason, and honestly for the suke of comf rt
shich it which it gives then-a combort every ,it a
legitimate a; that which dinkers , ,fte, c , coffe, or wine extract
ite beverage.
attrle seamos.
At a railroad station, not lang azo, ne of
the becautiful lessonsts which all should learn whe beaugit in such a natural, simple way, that was taugit in sich a
none conid fromet it. It was a Heak, sonowy
day. the train was late the ladies' room dart day ; the train was late, the ladies' room dark
and sincy, and the dozen wonen, ofld and
yont yonng, who sat waiting impat
cross, l low spirited or tuppid.
 wares tor sale, and went alput mutly offeriny
them to the sitters hing. and the poor ofd sonl stond binking at
the door a minute, as if reluctant to go nint in to tie bitter storna again. She turned pre
sently, and poked about the row as if tyin
to find something and then at to find sonmething, and then a palo lady in
lack who hay asit aslep on the sffa, pened
her eves, sing the old woman, her eyes, suv the old woman, and instantly
asked ina kind tone, "Have you lost any-
 furnace nowherit",
"Here it is s"
"nd thaty led her to the
her her how to
woinall, no
wore
"Thaikee, dear ; this is prop r corifortable. and acling; ard not selling wid bein' lame The cown-hearted.

 have a cup of hot tea? I's very comportin'



Alded the old ad, id, ipping axay yith a re


 asi








 diw woman, with many thana, got up to go ementitintw, as it thee wantei to to epaiort their senditerest
Herere wir no gentlemen proent to be in

 va ana kood as at bermon tand 1 think eacil Trenler went on her way better for that thalf-

A Scotch pericuituristat anys he has long been
 einus som ill he griis infected dy it arn

rum ator noon.
$A$ Aiek rom in on phaco for friority. II Do







 Tickiotite prations when that potiont ir very



 Tol



 Cintionem bo dietartrod with grate orro ani



intereatina rexphitibst. Two hundred younds of earth was drieत in
n oven, andi. afterwards put into \& large earth. enwas vesese) tho earth was then inoistened
with rain water and a willow tree, wrighing
 ith ryenr
withe earth was carefully watered
and than or pure water; the willow brew and thourish d; and to prevent the
mixed with fresh earth or dust blowa
 table for the free aldimsion of a air only. After
growing in the earth for five years, the willow tree was removed, and found to weigh 1691 lbs . and about 3 ouncer; the leaves which fell from
the tree every autun wern includel in this
weight. The earth was then removed fom the weitht. The earth was then removed from thr
veroct, azain dried in the oven, and alterward
weighted; was discovered to have lost onl


salt for crops.
We give the following account of a tes
made by W. J. Winter, Massio's Mills, whit made by W. J. Vinter, Massio's Mills, which wee extract from the cen recorded this year:-
best tests have seen recore

 inches deep. A wet time followng packel oily coming throuth properiy on the trom oid










 another experiment. loa. abone aicree soil
 ndilinestone y givelem mixed









 Isthe whatat ateribe erain or on matiod hat the the tives theo happening tobeacercios



 yiedi, very phain and clear;


 Tastelid out as as a borovese stateded



 The teane sear is isummer flowed atro midioning
 ten manure per arce. and onred then, as asilia it tho mited areo, oneo ploughed Theall ot ortsisi.es. Silteo Sine 1 Okjed the strongst
 leet prant anif leard damageced; when tive, the
 killing, ITidn not think hait warthin wilie to topepa to the grin of the diftrent picecesto to thrasi
 Tht liver and timothy now tho salt slowe is power, hno oloer phant
1869 yolted areere conld bo noticed $a t a$ a dis
 Three each on the other tru.
 ${ }_{\text {fity }}^{\text {intep }}$



 Now, as all the land is alikes mannured alike and plastered alike, I attribute the very larg
extra returns of the one acre to the sal have pointed the riece ont to the result. are astoni
pearance. If you think these facts aro worth publish ng, and that they will be of interest to the end you an item now and then.
$\qquad$ William Jon

$$
1081 \text { Ins. }
$$

$\qquad$ of plants, but potanl is the most important Ill. It is always needed to deconpose the ail- a change is prorequisite to their becon
ores ing food for plants. Potash also renders in-
organic substances soluble ganic substances soluble, thus convertin
nert minerals inte useful plant food. Sand soils are the most benefilted by the applicatic of ashes, and they are more particularly usefu
for the following crops: potatues, carrots, cori beans, peas, clover and grass generally. coans, poas, clover and grass generally.
compost can be made of hen manure, soil an
ashes, whieh ie almost as valuable as ashes, whieh is almnst as valuable as the mos
expensive guano. This compest may be mad exponsive guano. This compest nay be made
by thoroughly mixing three parts of pulverized soil, one part of hen manure and two par
unleachod wond ashes. Mix well. moiste unleachod wond ashes. Mix well. moistes
and allow to stand from four to eight weel and allow to stand from four to eight weeks,
Apply dry $\rightarrow$ a handful in each hill, as witl


Your Humble Servant, W. Weld, the "Farmer's Advocate." 1868. Wheat bally killed; salted piece the We have in our list the names of many| sant to become prematurely bald by such

 adies who stabscribe for our paper ne we have ne receivel a request from hever shall have the seen, and probabiure of secina that we should give our portrait as an ill-
nutration. Last year we received a simiListration. Last year we received a simi
ar request from another lady these ladies live hundreds of miles from us, and perhaps we may never have the
pleasure of meeting with either of the leasure of meeting with either of them. parties near home. Being desirous
Being desirous of pleasing the laties, as ditors generally are, we have laties, as he request, bat we wurave acceeded to my : Don't you tell my wife your asled lack onesjwith them, andit is not plea. cal
process.
We do We do not give it to you because w onsider we are handsome or becepossess ins, lat wo clain to have done nere fore fir he arricultural interest of the country and for the advancement of the farmers
nterest, than any other person durig the past seven years of oppression we have just passed. We hope to do more gooll to arselves and to youd duriug the next seven
vears. We feal as if we vears. We feel as if we can stand seven years yet.
xpermexts in cheryina The London Milk Journal furnishes owing extract owing extract ficma apaper by ©. Petersou
of Windlanisen, tranditell frum the Milch cal

2nd. Those which
tion of the nilk itsel
Ameng the first are to bo (a.) The churning of the whole milk or (h.). The external temperature while the ilk is standing.
(i.) The"desciiption of pans to be us (d.) The period of time the milk should (e) hefore skimming.
(e.) The rapidity yith which the milk (e.) The rapidity with which the
onies snur and thick during churning
(f.) Differ nt kinds of chums. Amont the second-
(a.) The description of food

(e.) The indivi old or young ; quantity of milk of the cow(d.) Length of time the cow has piven milk.
(e.) Milking $t w i$ ore or thrice daily.
(f.) First and last milk from the cow After remarking that the the most important for the farmer to attend to, Mr. Peterson states that, "The churning of whole milk is,
as a rule, little known. It
is, however, often resor ${ }^{\text {ed }}$ is, however, often resor 1 ed
to in Holstein, where che to in Holstein, where che se
is not nade. The general mode of procedure is selfal-
evident; instead of being skimmed, when it is ripe
elloungh, the whole of the
milk is wre milk is wrrked in the churn. have the experiments I which method yields the most hutter, have been in
faver of churning the whole milk, when other circumTo obtain the greatest int crean, ther in churn1 st. Tho be in a pasition at all times of the therature feriorm the able always to 3. 3. Such a daily supply crean to allow it to be be
churned before its yield of Butter is dan
iny too lons
hecomplied witions cannot lecomplied with in all dair-
ies, and the less so ies, and the less ot the The greater number of dairter is often considerably lessened lyy the cream stand-
 to churn.
In chn $n$ ning whole milk I
al ways roveed as follows: always rioced as follows:
The evening milk of one day and the morning mik
of the next are cliurned together. The firmer is
placed in a tub dircetly after milking, and the latter adled to it the next morning. In summer the milk is allowed to stand, at most, two feet high in the tub; in
the winter alout tw, and a laalf feet. In very the wniter about two, anm a a malf feet. In very
hot weather the morning mik is cooled down to 16 to 20 degrees R. before it is auded to the ening mik. Cader these circumstances the he evening milk has stood 36 and the morning 24 hars. The tempelature of the miik
when beng ch:med slould be froin one-half wien beng ch:rned st:ould be froin olne-half
to one degree R. wamer thim when crean is
clum to one degree R. wamer thin when crean is
churned. The cluming itsclit shouid be hurried as little is possible, since the butter globules heins more widely separated in milk
than in crean, rather more time is needed for them t. collect. In churnin, whole mill there is an increase In churnin, whole milk there is an increase
in labor, owing to the necessity for more frequent churnings, but this is far outweighr
the other adrantages resulting from it. Many make a good profession; compara-
tively few make thoir profession good

$$
\begin{aligned}
& \begin{array}{l}
\text { (e.) Temirerature durng cluining of the } \\
\text { ream nr milk, and of the air. } \\
\text { (h.) The kind of notion required to churn. }
\end{array} \\
& \text { (h.) The kind of notion required to churn. }
\end{aligned}
$$



FARMER＇S ADVOCATE．

Corresponiont．


定会

$$
\begin{array}{|l|}
\hline \text { est } \\
\text { ad } \\
\mathrm{sut}
\end{array}
$$

$$
-2
$$ have ascertainen that he is is good tarmer tor

anll is neither afraid or ashamed to give his name and address plainly．We think
some parts of the comunuication minht some parts of the communication might
bear a little more light．Some very im－ portant questions are saised， up aud draw Mr．B．a little further out of
his shell．We have for years aske？of our present Government that farmers may
have equal rights with the other classes of the community，but this we have not yet
obtained．As soon as we gain this ponint obtained．As soon as we gain this pont
we will be prepared to trear on other ques－
tions tions of minor detail，（1，permays，that We only ask that farmers may be able to
join their capital or arricultural parposes， join their capital for agricultural purposes，
the same as otiuer classes can ；that arri－ the same as otuer classes can ；that ayri－
cultural papers and seeds may he seut as
cheaply through the post as publishers can chend bonks，or politicians can sead politi－
send
cal papers，We think that cal papers．We think that a Gorchment
that refuses such modest reques that reuses such modest request as these
has no regard for the farmers＇interest；
when these modest requesis are cranted， when these modest requests are granted，
we will then express our ideas more fuliy on other subjects．We are trying to
drive the farmerg＇wedge into the Lesisla－ tive halls，aud we mean to do it or die．

Sir，－Sone months since，my friend，Mr occasion ts write to you，he had written you an additional line or two relative to some new
vanieties of seed grain I had recently reeeived
foll from England，and which werecthen then grevived
oa his furm；and that you had expressed a desire to hoar the ressuit of their trial．I
have，therefore，minc p pasare in forwarding
you a simail sample of each kind by uis you a sumill sauple of cach kind by this post，
and I think I may fairy and tiat taking the
piccularitics of tho ptculiarities of the past season into considera－
tion，tie crop of each was very sutisactory tion，the crop of each was very satis actory．
The whecithuwn in England us the April
Wheat，＂is a bearded sort，red straw and Wheat，＂is a bearcled sort，red straw and
grain，and is beyond compuriss，the quickest
growing wheat I am arquainted with；；ill fact， growing wheat Iam arquainted with；in fact， regarded as astering springy wheat．The ear
grows very long and is thinly set，the body
also inclinng to be long．I exvect，however，

|  |  |
| :---: | :---: |
|  |  |
|  |  |

to
col
crop
crep
dran
riet，
bein Mellon＂is a per acre chace the barley，＂Go
riety，and is the
beinse riety，and is the best kind grown in England，
beng early to harvest，and vely prongcive；
in fact it is the only first－ciass kind we lave



did well the tiret year，wit the hatido

wheat as it formerly did．I am highly mon warietics，but we we want feed．If the
vield yied more bushels ser aere chey will be
Giereat acquisition to to the colutry．
T shall
be be happy to aid you in dissenininating each
kind that is likely to be of valuc the contryat issikely to be or value to thic
count any of the ravietics have
lie
 to know；send full particulais．If 1 should disseminate any for you，thicre
not he oue thistle to be found in ti： or they will be at once coudemned when
they come here，and disposed of to feed they
men．





 way Oats to be this year what 1 repprted then
last year，viz：：－a humbug：I renain yout welf－wisher， Tuckersmith，Dec．9th，1871．
The McCarling wheat turned out remark ably well． ，the samnle 1 Irst was not nerr as
good as it is naw． 1 Mr．Kuppe got 38 lis． and
and lis sid that not orer twenty poinds of it
arew，and he has 10 bushlels and 14 lis： Kincardine，24th Nov．，is71．McLesmav．


 are the be，t，and will be extensively culity yted
 eilent crop and as fine a sping wheit to sorys that Ingit mixed in thestlingt
wish to proctre some more next spring it not jo dear．
Kitcore，Dec．3， 1571
The potatoss I got from you dir tip－top，
but I dontt think much of the McCarling Wheat．Hogss are low and water scarce．
Clinton Dec．4th， 1871.
I shall feel obiged if $y$ pou can furnish ine

 Lobo，Dec．4th，
We shall feel onijigel if sone of our
Canadian veterinaries on sn seribers would
$\qquad$
霜orticultaral．

$\left\lvert\, \begin{aligned} & \text { vite the winds－neither a valley nor a a hill．} \\ & \text { top－but such layd as corn always ripens upon }\end{aligned}\right.$

 If we were certinin that the Northern Spy
would do well in urf locaity，we would plail
if fair properticu of it．The Hubbardson Non
 lecalities quite productive，a grond keeper，and
an atmative warket apylf．We would plant
it quitu largels． The Roxbury Rusee would rank next to
the Bad ${ }^{2}$ in in pace and importance．If the
ochard were intended also for family crechard were intended also for family If the
would extenk our fist so so to include a few of
the best summer and outu the best summer and nutumn variectles．
If we could select our trees for ung from a hlock of well－grown nursery treea four years from graft，tlat hat had not been truleed
we would prefer that age．We would ined we would profer that age．We would insisf
that the trees should be carefully du，thoumd
at cutra expense，and that the roots should ai cxtra expense，and that the roots should
not be expesed loog to the sun，or dryig
winds．We would consider that we were winas．
planting an orchard for a lifetime，and weold
insist that all the operations should be tho
twit Mouthly done．The cround should be plowed
in deep，narrow furrows；the rows should be
nerectly straight both ways，and about 30
feet apats perfectly straight hoth ways，and about 30
feet apart；the holes should he dug broed
enonigh to receive all the enonigh to receive all the rcots，fuliy st riaight
ened；the ends of the roots should be pared
off smit Thuoth，and the mistilated ones cut amay． the soil（not in the sub－soil），where their pro－
ner aliment most abounds，accessible to per alment mat alounds，accessibe to air
heat and moisture，withont which growth is
impass impossible．While we would keep the ron
oit of the cold，infertile sub－soil，we
cever cever them three or four feet deep with sol
prevent injury
ane anong the iny from sun or frost．The shoul
free fiould be well pulverized in by swaying the tree．or using the hande and packed down wilh the feet．It is well to
have the tree，when the operation is finished lean lightiy towards tie prevailing winds．The
action of the winds would then be likely straighten up the tree，wher reas if planted per
pendicular，it will soon come to lean from pendicular，it will sonn come to lean from the
winds．Now，as to the cultivation． There are costain laws of vigetable grouth
that we sirahte emleavor to nuderstand and
obry．Fior the finst ten yoars of map aple orchard，our learing object is to
produce preduce wood－togrow a large．strong healthy，
smmantrical trer，and our cuiture should be
dire be file．e．with in liberal supply of available
food．If lacking in this indispensable condi tion of growth，we would siread fine manure ed in a previous article．The soil above the
roots should be
 destroy the reots－but with cultivator，harrow or hee．The roots of no other plant should be
sulfered to
 not prevent the raising of crops in the spaces
not occupied by the apple not occupied by the apple roots hut car
slinuld be takeu to restore to the sinnid be takent to restore to the soil the nu：
trimit the exrrated by the crops，so that it may
not be exhnusted when required by tho
It is evenerilly believed by arborists that the
runts of tieess
the lextend twice the distance of the branches．＂This nay not be exactly cor
rect．but as spaca wiil be riquired for the ex． tension of the rocts of the trees during the
scasm：of the gruwth of a crop，it would be prusent to reserve from cropping every spring
in space around cvery tree twice the dianetet
of ins top．These sitaces sliould be reserved inviland for the mutrition of the apple tress
Year atter year，it a thrivin：orchard，the spaces left for rremping wiil graduaty diminish，
watil the beas in quin the whole orchard．

 cuan mindiow with the hoo，but it woud
rey ire mre lawn than farmers weuld be
wilur
 an ince．word not oniry facilitate cult culture
of the trees，int promote it
 hag spaccs premerved for the trees，than to

## is corn always ripens a arket, in Western

 arket, in Western Noperoutd be few, and naerly
Vith present knowleikg py lialf the orceiger locality, we wourthern Sppy
liaut
The Hubbardson Nou. ctive, a apple, in many
aperem, and
apy and importance. If the so as to include a a eew of nutumn yarictles. ell-grown nursery trees
that had not beenculled啇 sider sun, or dryat we werg
lifetine, and would erations shoul
round should ways, and about 30
sould he dug broud hatd plant the cut onots in in b-soil), where their pro-
cunds, accessible to ain, ithout which growth
twould keep the roo
rtile sub-soil, we woil feet deep, with soil,
or frost. The or uroughly worked
the hand, he operation is is finished to ald then be likely to a come to lean
e cult ivation
rt vegetable grouth our learing object is to
or alarguth supply of avail shoulable ould siread sine conditumn. as we recommend. This can or ady fy ferely ith a plow to tear and
$t$ with cultivator harrow the apple rocts fot gof crops in the spaces store to the soil thee care the crops, so that it muy
when required by bo ved by arborists that the
l twice the distance of 1 bie required for the ex. the trees dur the et be
a crop, it would be should ke reserverd
tin of the apple trees
thrivin a thrivins orchard,
a will gradualy diminis
the whole wifiso in an orethard it trecs. Crops sown
fere with the use of the
trees. the hoo wit the trees
neen lent of of the trees facilitate the culture
it. Passing to cultirate aurioss
tie trees, than to

How should an orchard be plowed? Our
Hen crops, both veays, and not cross the reserved
places at all. In this way there would be no places at all. In this way there would be no danger if tearing the roots, or barking the
trunks of the trees, To be sure halif of crop
隹 ping-ground would be p.owed tisice, fut thai
vould not hutt it, and the time consumed in the extru plowing would be scarcely more
than that wasted in crossing the tree spaces and dodging the trees.
 some cuttings of the rith common garden soil then set the box the the shate ri sone shrub) I ever knewr, and tho plants were insufficiently watered, yet abont half of them grew. I en-
close a simple of them. I am satisfied that ande one caul, with very. little trouble, raise all
athe Arbor Vixe lewint, without a hot bed
or anything of the kind.



## vexations and lins that attend selling cheese on crevitit. Let Western factorymen remember chis loss of $\$ 50,000$ when they are importuned

 this lossto sell th
Farmer.


$\qquad$

$$
\mid
$$

|

Tlye fich.
 A German farmers asially pay very little attention to
the length of the furrows to le pl werl in a foidd, and yet great wate (f time and lator is the
necessary consegnence of unsuitable arangements in this respect. The turning of the and the commencing of a sew turnow requiies more exertion in the
plownan and the team than continued work
oin trainht line e or a straight line, \& \& how great mar really
be tho mins of time frum frequent interruptions in short turns may be shown hy the follo wing
calcuia on: In : feld 225 fcet ing, five and : the plow; with a length of 575 feet, fonr hour
are sufficient for the purpose, and winn th
 to make thit
will adnit.

##  <br> \section*{ders, as they ditus, fy thowing how mach}



## farmer wai as filows: Dr.

Tu phat doat kind fit, for man

T
.

$$
\begin{aligned}
& \text { bushel... } \\
& \text { Cost to rai }
\end{aligned}
$$

$$
\begin{gathered}
\text { Profit........ } \\
\text { Costher bush }
\end{gathered}
$$

$$
\begin{aligned}
& \text { a lad of thirty-eight bushels by his neasure } \\
& \text { at home, and of foty bushiols sy weight held } \\
& \text { out only } 32 \text { bushels at the warehouse. The }
\end{aligned}
$$

$$
\begin{aligned}
& \text { at home, and } \\
& \text { out onty } 32 \text { buthels at the warehouse. The } \\
& \text { bushels, however., were no larger than those of } \\
& \text { ber the csti- }
\end{aligned}
$$

$$
\begin{aligned}
& \text { bulhels, , however. were no larger than those of } \\
& \text { all potato digger in this revion. Ho csti- } \\
& \text { mated that one-fifth of lise crop, was lost by by }
\end{aligned}
$$

$$
\begin{aligned}
& \text { all potato diggers in this regron. Ho csu- } \\
& \text { mated that one-fiftho of his crop was lost hy } \\
& \text { unfair measurenent, which, had it been rea- }
\end{aligned}
$$

$$
\begin{aligned}
& \text { unfair measurement, which, had it been rea- } \\
& \text { unite to him, would have made the total protit } \\
& \text { lise timone }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ane tuadred and fifty buskels per } \\
& \text { of one hunired and twenty-five. } \\
& \text { othe other crop reported was }
\end{aligned}
$$

$$
\begin{aligned}
& \text { of one hunlred and twenty-five. } \\
& \text { TTieo other cor reported wat of Mr. } \\
& \text { Hayward, of Brighton, near this city. His } \\
& \text { Hay }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Hay ward, of Brighton, near mis city. M1s } \\
& \text { crop of four acres of eariy Rose potatoes yield- } \\
& \text { ed } 1,180 \text { bushels, or about } 300 \text { hushels per }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ed } 1,180 \text { bushels, or about } 300 \text { bushels per } \\
& \text { acre. The potatos were planted three feet } \\
& \text { apart in the row, and one eye ina phace, the }
\end{aligned}
$$

$$
\begin{aligned}
& \text { apart in the row, nua one eye The ground was } \\
& \text { sets about three feet apart. The } \\
& \text { marked three or four inches deep, and the po- }
\end{aligned}
$$ tarked three or so ar to be bbout even with the

tatoes covered so surface. Sixteen bushels were planted on the
four acres; but in some places two eyes wero planted in ; hill, suld there the pere peytaes wero
noter so
not so not syreater. The yie'd would haval. en larger
was
one eye potatoes were hand-lioed twice and cuitivated patat that they needod. The first hoeing, re
all
quired tifteen days labour on the four acr The eatire expense iaclurling teane four acras
the and the $\$ 26$ per acre. Thie potatoes, were deliv
over $\$ 26$
ered on the nilo ereed Mhe Mrl's farm, and iour hundred hosh
Mr: Haywarl
els filling ar were marketed ind els ing a car were marketed in a half.d?
The cost as delivered was 11 cents per bushe
The They vere sold for 50 cemts per bushel. Mr
Har ward clain cent per buth profic on layd wort, sin uro p p, tates with When the rat a ive feclities for mer reting are
con-ilered tio coot per ocie for row ng hes

 dod; and if it is pretty cle wn, there is no are sown sifficiettly tarly, before the whineat is
Upon autumn-sown wheat the
$\qquad$ onghy cleined, and the annual weeds get
aliead of the youmg grass, they may be dehethes high; and nother aumentage is, that
 nod re-sown in good time. It is a common
actice in 8 me parts th, sow 2 or 3 lbs. of
rape per nere with the crass-seeds ; this prorape per acre with the erass-seeds; this.
duces valuable sheep feed in the autumn.
If cam is






 good titt, ine fra, and lievel, annot be be somen seded wivir to to dopepy brinid, and
 :ckly than the grasses, and taike possession Mhe land. Handure--If a root-crop has been fed off
the previous autumn, it will hatcessary to apply other manure ; but if He land requires assistance, a top-dressing of
civi. per acco of Perivian guano, or the sime quantity of nitrate of soda, shonid bo
apylied when the grass is well established, say Sowing hi-Choose a still day, as a rough wind would prevent the regilar spreading of
the seeds. S mo men who are used to it will
the nerafly be done better with the common
nci-barrow. This vill distribute the seeds cer evenly, eitlier in one mixture of ofoevers
mi crass seeds together, or (which is most Wal) by goong twice over the land, sowing, his furows, and subusequently crossing the
hie furt
nds with the mixture of clovers and other eavy seeds. A ulsh-harow, or the lightest iron harrow,
should be applied immediately before and after sowing, thereby covering the seeds bo-
fore birds or a change of weather can interfert ore birds or a clange of wather can interfere
vith them, care being taken that as few seeds wit possible are buried too deeply, or remain
ancovered. After harrowing, the whole should
and
 sowing, though much bas been writieu in
favor of autumn-sowing, I have no hestation in saying that the spring is preferable, if the
land can be mande ready. vith very heavy
land, however, in a wet spring, it is often late in the summer before it is sufificiently pulver-
ized, and if later than the middle of June, it
is well to defer the sowing until August or is weil to defer the sowing until August or
Sertember; but in antumn -swing there is
great probability of 1 ssing the clovers, as great probability of losing the clovers, as,
while in a young state, they are apt to bo carWhile in a young state, they are apt if bo car-
ried off y ylug or fros.. Therefore.if antumn-
sowing is adopted. it is well to examino the young pasture early in the spring, and, if the
covers are found to be deficient, to sow more of the sant kinds immediately, which will
kit if the grasses are not too trong.
By spring-sowing I mean suwing during the months of Marci A Aril, and May ; and, gen-
erally, April wilh ce he safust anill host favoreraly, April wilh ee the satust and most threc. hionor-
 policy to sow without deiny, rather than incur cliange "f weather. If it is desired to sova
crop of corre, the tims for suwny tho raras-
seels wil bs either iommedively after the corn s sown, or else when it is two inches
high - the former being mosts favourable tor



FARMER'S ADVOCATE.
grass-seeds might be sown as e.riry as the mid the wheat will defend the young grass fron any injury by frost; but if the whent is ver
back ward, or stauds
thin on the
ground, the sowing may with wadvantage be deferred. On spring-sown wheats the grass-seds
should pe sown as soon as the corn is 2 or 3
 rolllag afterwards, no injury to to the wheat plint need bo appreneended.
The Most Suta
 cations of approaching rain. These are nuch
 on the le land thana rainy on showery weather, as
ther are nore $i$ likely to b bevely covered an
 they will be in a condition to reecive with
beuefit ; whereas, if sown after a shower, is too frequinently lone, these advantages are not obtained, but after the seeds have becom
saturated
with moisture saturated with moisture, the dry Suitable Sorts of Permasenest and Pasturverers Mosi perliapsthe most important
ing down land. The nate and in lay
Thases vary ex ceedingly as to their suitatility for the man
goils and situations tor whily soils and situations for which they may be re
quired; and when the seedsman is in informe of these particulars concerning the land, and
the ne number of acres to be laid down, he can apportion the sorts accordingly. I an ofter
appliad to for advice as to what kind
are sut table to form a tharoughty yood permanent pastire, and 1 take the present opportunity $o$
stating the sorts and quantities
which stating the borts and duantites which 1 con
sider the ebet po sibite mixture for a good medium soil, neither too heayy nor to to light, i.e., grod terrin and barley land. These are
aill of cexcellent properties ; and coming to






Loium perenne sempervirens - Everyrieen
Loliuna perenne suttoni-Sittun's Peren-




 ticular: sils, and also on those pastures which Nothing cant he mimere inivulusicis

 the only grasese ripe at the time oriss as ont
for hay, and sonie other weeds wilulh aro no for hay, and some other weeds which are no
grasesesatall.
 if any spots are found in in wlichll the seeds have missel, more should be sown, sin are almos sure to come up in land newly haid down th
frasss, care should be taken to remlove them the hind, or, if that is is inconvenieut, chlect These oneratitious, of
performed if a a crop of corn llas liean sow be witht the grass ; but in such case the grasse and clovers should be looked to immediatel
after the conn is caried sown in any parts where the grasses have sul fered fron the corn crop, and a top-dressing with advantage be applied manure may als twice before Christuasis will be benoticial winter, cattle may be turned in dung before


 two crops of hay should be taken in the firs
season- the first as early as possibe.
freen
Thi


 early kinds would bec
tite injury of of others.
 will pick out ertain grasses and clovers, leav ing others, which in itime become more coarse
than in deserirable, and have a very unsighty,
the patchy appearance. It razais cridance with the requir asentang of more in onner
then a syythe should be applied once or tww diring the first sumner, to those plots of brass which the cattle leave.
Breazizing up of Grass-I



 sly better than were obtained nrevious to
breakinu up. Paring, burning, and spreading
the shes for manur reaking up. Paring, birning, nd spreadinn
the ashes or manue, is ant excellent plan,
and very superior to plonghting the turf in The expense of this oneration will soon be r-
paid tenfold by the increased crops of paid tentoid of the increased crops of hay
and pastrage Abote the bepining
March is the best time to hegin the paring and as to the burning, no time should baring lost nip-sowing.
Improvement of Grasas-Lancls.-Thonsands ing eases than and half the the pastures are pronduc-
feed which the the lind feed which the land is capable off from and de
ficiency of plants of those kinds which are ficiency of plants of those kinds which are
most productive and suitable for the soil. most prodinctive and suitable tor the soll
some cases, where the pasture is very
weend with

 ure the land: buth in most cases great improve
ment can he effected by went can be effected by werely sowing ren.
vating seeds (which should consist of the fil. est and most nutritive kinds of perennial
graneses and clovers) in the following manner Inervy har rows shonld be drawn over the old
turf early in the spring, to loosen the soil for

 the carse grases and noxious weeds. Atter
the seeds are sown the land should be care the seeds are
fully
It tiled.
It is a good practice to sow these seeds a
the same time as the top-dressing, if any applied; but this is by no means, necessary
The munths of February, Marcus, and Aprit



 moss, not onlv destroy ing it but preventine
the rrowth iiv future.
Sis two two fucklime with eiglt cart-loads of col-od ligh
 daked, atd spi ead this quantity per acre ov harruws
Mansure


 cient quantity Peruvian guano, superphas-
phate, or partially dfssolved boues. are the most desiratule, with a small addition of salt
or nitrate of soda; but the last-named

 This is the general tendency of an gumanisese salt ; Wiile superphosphate of lime, on the
contraty, encourrages the growth of clover
 best dressing of artititial manuren for grass
land which is much deteriorater, and destitute
of bottom herbage, 2 cwt . superphosphate of
 and April are generally most sui

## PRIZES.

## Club-List for 1879

Girls and boys, young and old, we ow offer you a great opportunity to ad Vance your interests by gaining some of
the handsome prizes we now offer you They will be the means of getting you good stock and seeds, which will be dvantage to you and your neighbors.
To obtain these prizes, the clubs be sent in at $\$ 1$ each.
st prize-l
Durham Bull; price, $\$ 200$, 18t prize-1 Durha
2nd-1 Carter's Ditching Machine, $\$ 160$ 3 rd-1 yearling Ayrshire Bull, $\$ 50$, for 00 subscribers. 4th-One of F. W. Stone's pure Cots wold Rams, $\$ 45$, for 90 subscribers.
5th-One of Snell's Cotswold Shearling Rams, $\$ 10$, for 30 subscribers.
6th-One Cotswold Ram Lamb, raised by myself from Stone's stock, $\$ 20$, for 40
subscribers. 7th-One Leicester Ram Lamb, from ohn Robson, \$20, for 40 subscribers,
8th-One Cotswold Ram Lamb, $\$ 15$,

$$
\begin{aligned}
& \text { or } 30 \text { subscribers. } \\
& 1 \text { pure bred Cots } \\
& \$ 20 \text {, for } 40 \text { subscrib }
\end{aligned}
$$

20, for bred Cotswold Ewe in Lamb $\$ 20$, for 40 subscribers. scribers.
A very
A very large and handsome picture of One picture of Autumn Fruits, $\$ 1.50$,for 5 subscribers.
The pair of Pictures, 83 , for 9 subseribers. They make a very handsome and
pleasing ornament for a house. Get the pictures if you cannot get a larger prize.
One improved Berkshire Boar Pig, One improved Berkshire Boar Pig, 10
weeks old, $\$ 12$ for 25 subscribers. One improved Berkshire Sow Pig, $\$ 12$,for 25 subscriber:
One pair Bl
12 subscribero. Spanish fowls, $\$ 5$, for One pair of Dorkings, \$5, for 12 subOne of Bell's Organs, $\$ 120$, for 240 subscribers.
One Wheeler \& Wilson Sewing Machine 855, for 110 subscribers. for 60 subscribers.
Nothing shows one who his friends are like
prosperity a,d ripe fruit. I had a good friend in the country, whom I almost never visited
except in cherry-time. By your fruits you shall know them.
The Moble Refister is getting up a new edi-
tion uf he Book of Proverbs. Here is a sample: "Blessed is the woman who compoundeth a pud-
ding in silence, for the is more to be envied than

STOP THAT COUGH. DON'T DELAY: One weck, one doy, and it may be tor late
Consumption, vith is long train of s telites, is
w.uiting to carivt you so the waiting to carry y you to the long home of its many
victims zoho have youe beforc. How can you stop it: Where is the remedy:


 Lead the following extract from a letter
received from Mr. S. E. Burwell a well later merchant of Ontario :-

Fingall, Ont., March 4, 1871.

$$
\text { Is } \& \text { Son }
$$

$\underset{\text { a severe cold which settled }}{\substack{\text { Dear } \\ \text { sint }}}$
on my Lungs and rial to a number of Cough Medicines, but of Alles's beng Balsam, which one bottle of ALLENB LDEG BALSAM, which I am happy
to bable to state gave almost immediate relief and performed a perfect cure in a short time.

Yours truly,
E. BURWELL.

"Anglo Saxon" mavy be engased for the dda, where the best inducements are held forth,
His stock cained the 1st and 2nd prizes at the Has stock gained the 1 st and nd prizes at the
lavial Exhibition, as they always have
lone for done for years past. He has already traveled
in M Middlesex, Elgin, Oxford, and Northumber.
ind land. He is too well known to require further
remarks. Address-"Agricultural Emporium,"
 yur last number a long articlefrom the London
Field, Why Horses rub their Tails." I am.
fipwards of sixty-five years old, and have had
 worms, not larger than a strand of No. $50^{\circ}$ cotton,
in the ret world to get rid of them, by making a manall
wop. well greased with lard or fish oil, and inmop. well.greased with lard or fish oil, and in-
sert it up the rectum once or twice a week for
for weeks, and my word for it, the horse will two weeks, and my word for it, the
quit rubbing his tail. D. Tennessec.

## Burlington.

Leaving the East and arriving at Chicago or
Indianapo is, how slaall we reach the West? The best Line is acknowledged to be the C., B. \& Q.,
ooine together with the B. \& M. Railrond by
bin he Iron Bridge
The main line of the Route running to Oma-.
ha, connects with the great Pacific roads, and forms to-day the leading route to California.
The Midd e Branch entering Nose Plattsmouth, paassest through Lincoln, the State Plattsmouth, passes through Lincoln, the State
Capital, and will this year be finished to Fort
Kearney, forming the shortest route across tho Kearney, forming the shortest route across th Another branch of the B. M. diverging at
Red Oak, falls into a line running down the
Missouri through St Toe and Kange City then all Kansas. Passengers by this route to Kan sas, see Illinois, Southen Iowa, and Missouni,
and, by a slight divergence, can see Nebraska
Linvers of fine views should remember the Bur
 bufs and ruarries-rits corn-oceans stretchin
over the prairies further than eye can reach. Land bbyers will be sure to remember it, for
they have friends amons the two thousand who have already huvght farms from Geo. S. Harris,
the Land Commissioner of the B \& M R. R. have already hovight farms from Geo. S. Harris,
the Lannd Commissioner of the B\& M R. R. at
Burlington, Iowa, or among the four thousand


Emporium Price List for Jan IMPLEMENTS.
Carter's Patent Ditching Machine, impro ven, $\$ 1600^{\circ}$ Collards Harrow, $\$ 18$.
Collard's Harrow, $\$ 18$.
Howard's Improved Harrow, $\$ 22$ to $\$ 24$.
Taylor's Burglar and Fire Proof Safes, from Jones' Amalgam Bells, for Churches, Facto-
ries, School Houses and Farrms. From 16 to
ris in 3 inches diameter, $\$ 10$ to $\$ 130$, with yoke and
crank, or yoke and wheel. crank, or yoke and whee.
Stunp Fxtractor, 850,875 and $\$ 100$. Clark's Cultivator., It is ond light draft, very
durably constructed, and does the work com.
pletely. Price 334 . pletely. Price Morse Powers, \$50. Do. with Wood
Good Hos. Good Horse Powers, 8.50 . Do. with Wo
Sawinv Machine, complete. $\$ 95$. Best made. Chaff Cutters, the best kinds, $\$ 16$ to $\$ 55$.
Little Giant Thresher, $\$ 185$. Mittle Giant Thresher, \$185.
$\$ 8.00$. Simpson's Cattle Spice 2 cents per lb. Maple Leaf Tlough, s16.
White's Ront Cultivator, iron, $\$ 15$. Dedrick's Hay Presses.
Forfar's Churns.
Bells celebrated Melodens nnd Organs, just
chear 5 years.
Friends to the Emporium will send their
orders orders through us fror any implement they may
require that is in our list. We sell as cheap as you can procure from the manuffacturers.
Send a Postal Card for particulars of any Machines you may require.
Address-. WM. WELD,

## BREEDERS DIRECTORY.

 R. D. FOLEX, Bowmanville. Improrter \& Breeder
of Devon Cattle, Berkshire Pigs and Merino Shoep WALTER RAIKES, Barrie, P. O., Breoder of
T2-1-y JOHN CRAWFORD, Mahem P. ${ }^{(0)}$, Breader of
Heavy Draught Horses and Cotawoid Sheep.
$1-y$ GEORGE MILLER, Markham.
JOSEPH GARDNER, Brittania P. O., Breede
of Short Horn Catto. RICHARD RUNELSON, Galt, Breeder of Cots
wold, Leicoster, and Southown Sheep. H. M. OOCHRAN, Compton, P. Q...Importer and
Breade of Short Horn Catte, Cotswold Sheep and Berkshire Piga N. RETHELLT, Thorold, Breder of Short Horng Bertsisheand
coster Shee D . W. LoNG.St. Marr's, Breeder of Short Horns A. PARK, Ingersoll, breeder of Ayrrahire cattle shire Nigs. CURRIE, Versohoyle, broeder of Berk-

12 SJ. FEATHERSTONE, Crodit. breedor of Eseex, JoHN JACKSON. Grahamsville, importer and | and Leicester sheep. $\quad \frac{12}{\text { J. B. TAY LOR, London, Ont.. breeder of pure }} \begin{array}{l}\text { 12 } \\ \text { bred Short Horns. }\end{array}$ |
| :--- | J. MA1N, Boyne importer and breeder of Cots

wold Sheep and Suffolk Swine.
 JAMES LAWRIE, Malvern P. O.,
Ayrshire
Cattueder
cily
Berkder of Ayrshire Catter, Clydes.an
Pige, and Licester Sheep.
 JOHN SCOTT, Coldtream, Breeder of Leicos-
ter:-heep and short-Horn uattle.
$11-1 y$
 Yorkshire and Berkshire ligs, and Leicester sheep
11-1y
Bed BRODIE, SON \& CONVERSE, Belvilie. Breed
ors of Yorkshire Pigs and Ayrshire Cattle. $11-1$ (1) W. HOOD, Guelph, Breeder of Galloway Cattle. H. H. SPENCEK, Brosior and Importor or


 G. MORTON, Morton P. O., Breeder of Ayrshire
Hat-1y.
Catile.




 JNO. KENNEDY, Mont Juan, Hyd Park P. O.,
Breder of fhort. Horn Cattle, Leicester Sheep and
Berkshire
Bitr. GEO. ROACH, Hamilton, Importer and Breeder
of Borkbtire, Suffolk and EBEeX Swine.


 $\frac{\text { Or at this office. }}{\substack{\text { RRCHIBALD STE } \\ \text { Stock for Sale. }}}$







## R. DENNIS,

 D. HOLMES. BARRISTER, de,, Dundns St,

MeDonald's shoe Store,
 CRrssaltr's Penitentiary Shoo store is without U doobt the cheapest place in London to buy Boot.
and Sioos.
Dundas Stroet and Aroade.
12-y. JOHN FERGUSON
King Street. London, Manufaoturer of all kinds of
FURNITURE. Upholsterer and Undertaker. 12
F. H. MITCHELL, M. D. C. M.. Graduate or Physician, Surgeon, dec Office : Gothic Hall, Dundas Street,
$71-12-y$
Ont.
Great Sale of Cutters \& Sleighs
 HODGSON \& MORAN

Richmond Stroet. near Crystal Palace,
Nor. 25th, 1871.
Crystal Palace,
LONDON, ONT

ABBOTT BROS.
CARRIAGE BULLDERS, Dundss Street, East of LONDON, ontario.
J. NATTRASS, Accountant, Insuranoe, House,

W. Dis. Moquoghlon, 77 Dundas Stret, has lesend all new in the spring, and is sealing his tremendous
Stoek at Cost \& under, to olear out before building
W ATCHES, Clooks, Jowelry and Fancy Goods a Gold Chaina at at sicts. Per dwt., stricict
booked Goods regular prices charged.
$0^{\text {NTARIO }}$ Hutign and Rifie Factory, Satablighe


GO TO DYSON'S for CHEESR YATS and the

## H. S. MUCREAY

Watides, Clindes and Jeridify
silver \& silver Plated Ware in great variets.

SOLE ACENT FOR LAZARUS, MORRIS \& COS PERFECTED SPECTACLES agent for the celebrated WALTHAM WATCH

## WATCHES, CLOCKS \& JEWELRY

Carefully Repaired and Warranted
Sign of the Golden Spectacles PALMER'S BLOCK,
LONDON, • . . ONTARIO.
November 25 th. 1871.
(J) Gocks and Jeweliy at Cost and under. Fancy

CHRISTMAS Presents and Nem Year's Gifts.-



J. BEATTIE \& Co., IS the cheapest Dry Goods, Millinery

Sign of the Big Ventilator.

ANDREW CHISHOLM \& Co. [MPORTERS of Staple and Fancy Dry turerr of Colothing and general Outfitters. Du
SIGN OF THE STRIKING CLOOK,
Opposit ehe Market Lane. 1-y
G. MOORHEAD, wholesale and retail UPHOLSTERER, \&c.

LONDON PUMP

## Fanning Mill Factory,

b.ATLUUST STREET, LONDON, oNT.
M. COUSINS manufacturer of Im Milis, and "Little Giant" Straw Cutters. Pumps repaired. Wells dug and Cisterns built.

THE ONTARIO CABINET LAWYER



## ALEX. TYTLER,

 Family Grocer, TEA, COFFEE \& WINE MERCHANT Good tanto any part of tho tity Dundas St. West London. ALEX. TYTLER D. REGAN, S Macessor to Joh Me Phergon \& Co.


the artist photographer,
FRANKCOOPER, studio richmond street,
 H S. CLARKE, Richmond St. London Agent Exchange Broker, Insurance Agent, an
 Prepaid certificates issued to
above places or Germany.

JOHN ELLIOTTT,
PHEENIX FOUNDRY
M Reafacturer of Stoves, Ploughs, Lap-Furrow Ploughs, Cultivators, and Guage Lap-Furrow Ploughs, Cultivators, and Guag
Plocughs, \&c., London, Ont.
3-tfiso, at
Atrathroy.

JAMES FERGUSSON \& Co PORK PACKERS,
King Strekt, - 12y - Lomdon, Omy.

FARMER'S ADVOCATE
J. H. WILSON, VETERINARY SURGEON,




EVERY FARMER Hopso-Iower wawing machione
 of Machinory nsually uesed. Prico DSARVILL. London, Jan., 1871. STOVESI STOVESII of overy doseription, at SMITH'S BLOCK, NO. 179 DUNDAS STREET. (CALLAND SER Cook, Box, Parlor \& Fial stovas For both Wood and Cosil. equnl to any in this
pa: of the Dominion. All kiuds of Tin-Ware, Lannps, Chimneess, London, Oct., 1871.

LONDON
SADDLE HARNBSN \& TRTUTV factony.
 SADDLES, TRUNKS, HARHESS, Ladies' and Gents' Valies,
OLORED WOOL MATG

Whips, Currycombs, Brushes.
 prices. All work warrantol. JUHN STEVENBON,


HOWARD'S IMPROVED IMON EAREOW.


PLUMMER\& PACEY'S W AGON and Sleigh Factory, Ridout is more perfect, and complete than ever, in conNuence of which they are able to curn ou sufficient to surprise every one not posted up in
the improvements of the age. A zeneral in-
proventent of Hubs, Spokes and Bent Stuff, and pravenent of Hubs, Spokes and Bent Stuff, and
pay kind of wood, work for Wagons, Sleighs,
morse Rakes, \&c., alwavs cn hand.
m, MOLSONS BANK. Paid-up Capital,
.$: 81,000,000$
$60, \%$
13,0
THE LONDON BRANCH OF MOL1 SONS BANK, Dundas Street, one doo Issues Drafts on London, England
New York, U.S., St, John, N.B. And all the principal Cities and Towns in Onta rio and (quebec.
Offers unusual facilities to those engaged in the produce business

| turers. |
| :---: |
| $\substack{\text { Disco } \\ \text { Buys }}$ |

 Buys and 'Sells Sterling Exchange, New. Yor Mxchange, Greenbacks, \&c, at very close rates.
Makes Advances on United State Curren Securities on reasonable terms.
Savings Bank Department Affirds opportunity for gafe and remu
investments of accumulative savings.
 Loidon, Sept 14, 1870.

## Agriedlirial Mintal

ASSURANEE ASSOCIATION
OE CANADA
HEAD OPFICR, - - LONDON, ONT.
mitan Fines Jans, 1851
$4231,24225$.
 34 - poanises, Having duri, the venr 180 , issued the immense
number of 1219 Policies. number of 12 in in will nute-
Intending is rers wil
1st-Thant this is the oily Fire




 cominection with any other coupany whatloeve
for That all honest loses sars settled and pa
for without any unnecessany dolay. shi-The rate of this Company are as low as
thoren of any wat estabishou Company, and lower
than those of a great mans.

 Earme: pratronize your own Canadian Com-
pans that has done good service numonget jou. Adiress the Secretary, London, Ont., or apily $\begin{aligned} & \text { in- } \\ & \text { any of tie Agents. }\end{aligned}$
Anglo-American Elotel, KINGSTON, CANADA, E. Milsap \& CO., Proprictors.

T HE Proprotora take pleagnre in informing thei

 the ${ }^{\text {theren }}$
M. KNOWLTON, Wholesale and retail dealer in LUMBER, SHMMLES, LATH \& CEDAR POSTS Flooring and Suuing Dressed.

## PAUL'S OLD STAND. south gide of York stree west of Tleoumseh House. Orders solicited.

- 

LANDS FOR SAIE.

$\qquad$


No, 183-1 estminster, 51 acres, 4 acres clear,
miles from London, gravel road. 2,500 dollar.s.
No.
No. $135-$ Township of Sombrn, 110 acros, 3 1-2
niies rom Willesport. 800 dollars.



No. $132-$ Westmi.
citv. 2,200 douars.
No. $139-W$ West 7
No. 130-West Zorra, 80 aores, very Enug place, 6
miless from W' odxtock, good land, evory convo-

 No. 141 -Delaware Township, 100 neres. excellent
pasture land. $i v$ aerees clearced. 1,800 dolilars. No. 142 -Lobo, 50 acres. 45 ciear, brick house
oost 1,30, g. god
$3, k 00$ dollars. 3,(000 dollars.
No. $143-\mathrm{L}$
 No. 145 -Townhi of
 No. $14+6-$ Townshin of Moes, Co. Middesex, 100
acres, wild lot. 1 livo dollars,
 N. 118 -Euphemia, Lambton, 300 acres, 3 mil
 No. 151 Eandiemia, 100 nerees, To clear, 3 miles
froont Newbury itation. 1,200 dollaus.








 No. 163 - 600 acres within ten miles of this city.
$2 \overline{5}$ dollars per iere.
 miics froin Liondon $\$ 5,000$.
No. 1060 - Uno hundred
 No, 167 -Six hundred neres, within 11 miles of
London. $\$ 15$ per acre. 1 Liusi be sold within ten Address WM. WELD, Agricultural Emporium
Lundon, Ont. Also, 300 Acres of Land, 40 miles from this
 Terms from 1 to 2 s pre cent. Numerous other
farms and wild lands for sale.
City and sub-

HRUIT RECORDER COTTAGE GARDENER.
A. M. PURDY, Editri, PALMYRA, WAYNE
cUUNTY, N. Y.
 This is a hiphly valuable publication for all in
terested in in uits. vegetables, gud flowers.
It



PIANOS! ORGANS


HEPMTZMAN \& CD.
Have taken all the Prizes and Diplomas for Pianos at Provincial Exhilitions where when they have ompeted
We invite comparison with the imported Pianos;


WLUETAM RTMNIE
20 Adrlaide Strrbt, East -
impCriter
Manufacturer and Dealer in
test and most approved Agricultural Implo

Donble and single Fipoow Plows
and all kinds of
PLOW FITTINGS KEPT IN ST JCK



OVER ONE HUNDRED PAGES-printed in

 to those who think of buying seedr,
of 1871 . Add ex $\delta$,
JAMES VICK,
tife garid

 gardider sewin Nos. $81,63,65,67$, A. Gardner, the carduler read the fol In design, the m:
Singer; but the pris is entirely different,
as nearly noiseless
Seving Sewing Machine.
The Upri tensic
discs between which discs between whicl
tached by a stup to
is flat and placed on
ind is flat and placed on
its supper end secer
ed by a thumbscrev The Shurrie M
the shuttle-am on
nated as a "ball
 the ehuttle-arm.
steel, and $\begin{aligned} & \text { eccurely } \\ & \text { which } \\ & \text { alin a basket } \\ & \text { alon the face of }\end{aligned}$, along the face of
radilil movement
the best movemeat
the centrifugal for the centrifugal for
firm to the fact of
Tho Fers deriv
 is made of steel,
lensth, thereby pr
ment. "Io the end $\begin{aligned} & \text { nerew, which ser } \\ & \text { to the feed that m } \\ & \text { heary } \\ & \text { moods. Th }\end{aligned}$ heray fo
to the bed
durabie.
The purabiu
questioned, the
are not likely to
of the works are finely works seured to
falnut top $\begin{aligned} & \text { en } \\ & \text { wase, as may be }\end{aligned}$ oase, as may be
It will be obser
any kind, and tha any kind, and that
from the ename hain
shutle and feed shintle and fecd
" The Trente
"centres" in brac "centres" in brac
treandle-bar, yivin
any noise or loose any noise
give any required
the treadie, besid the tread
motion
othe
a tapered sutud or or
of the stand by
of the stand
turned to a centr
to fit the stud; ul
to fit the stud; $u$
a steel plate it fa
bear a
boar against the
i\&
ijautahte, an
upon the tapered
ypot running easy
The GARDNRR
and
$\underset{\substack{\text { latest and most } \\ \text { priving the fol } \\ \text { without extra } \mathrm{ch}}}{ }$
One silver-pla
screw. $\quad$ one sil.
plated Tucker. plated Tuck
One silver-pla
any width. Braider. One
One Bottle Oil
Cloth or Leathe
tra Spring for le
Address,
GARDNE
$71 \cdot 6-6 \mathrm{~m}$

## 3

Furpou Plows


hinupacturbd dit
gamoner sewing machine company 81,63, 65, 67, 69, 71 and 73 , Jame
HAMILTON, ONT.
F. A. Gardien, Mechanical Supt. F. M. the gardner patent sewing machine
kead the folloniva description. In design, the machine resembles the Family
Singer; but the principle of the working parts is entirely different, having no gear, and being
as nearly noiseless as it is possible to make as nearry noiseles.
Seving Machine.
The UPPre tension is on the face-plate. The
discs between which the thread passes are attached by a stud to the tension spring, which
is flat and placed on the inside of the face-plate is flat and placed on the inside of the face-placal
its upper end secured to the arm, and isregula
ed by a thumbscrew in the face.plate ed by a thumbscrew in the face-plate.
The Shurtue Movenexy
is obtained from the shuttle-cam on the , shaft, which is desig-
nated as a ahil cam,", working between thi
ned
 Eteel, hin searket at the ent caries the shatt:
which in
along the face of the shutlcorace, describing a
radial movement which is conceded by all to ke
 the centrifugal force aliways
firm to the face of the 1 ace.
Thn FRED derives its motion from the "feel
ean" phaed on the ame shaft, dhe motion be-
 is made of steel, having a beario its whove
length, thereby preventing any twistins move
 heary koods. The feed sprinc is also attached
to the bed ; it is fiat, made of stell, and very durable.
The pu
The DURabiLiry of thr machisir cannot he
questioned; the movements being all hardened, questioned, the movements being all harclened,
are not likely to get out of repari., The whole
of the works are enclused in the arm, which is
. of the works are enclosed in the arm, which is
finely secured to the eved-plate, and set upon a
walnut top or enclosed in half or full cabiutt finely secured to the bed-1.
walnut top or enclosed in
oasse, as may be orlered.
It will be observed that there is no gear of
any kind, and hat all the motions are derived
from the same shait --all the usul any kind, and that ant he mot usnal complicated
from the same shatit, all the
shutle and feed movenents beng avoided. The Trean le is aljustable, wori:ine upon
"centres" in brackets which are fastuna to the
 any noise or Mured "dip" to either toe or heel of
kive any require
the treade, besides taking up the wear or loose motion. Wherl Beabiv. The whecl runs upon
The Wered stud or bearing fastencel to the side a tapered su by anut with the bearing cond
of the stand by
turned to a contre; the wheel is bored tapering turned to a centre; the wheen is boren tapering
to fit the stud; upon the front side of the whied
a steel plate is fastened by two screwh, wlich a stee plate is the centre of the stud; the plate
bear aganst the
io aljustatable, and screws to draw the whee upon the tapered stud, taking up the wear and
yot running easy. The Gardnri Patent is fitted with all the prising the following, which are furnishe
without extra One silver-plated Sewing Guage, with thumb-
screw; 保 siver-plated Corter. One silverKcrew. One siver-phated sionter, Ontere silver-
Olated Tucker.
One silver-plated Friller.
One silver.plated Henmer, which will hem to One silver-plated Hemmer, which will hem to
any width One Quiltinc Guase. Uue
Braider. One Screvy Driver. One Oil Cnn. Braider. One Screw Driver. One Oil Can.
One Bottle Oil One Speol Thrad. Seven
Cloth or Leather Needles. Six Bobbins. Ex. tra Spring for leather work. Printed Directions.
Address,
GARDNER SEWING MACHINE Co.. 71.6.0m
 plenent. Price 820.
Extraet from Certificate :
We, the undersigned, take grent pleasure in re-
.

 ho eytho. Yours respectully.

 Thes. Goason, Wher. James Howard. Fishwick Loft
James Hynes, all of the Townkhip of Londmon.
 Foundry, Wellington St.
London, May 1, 1870 .

## ROYAL HOTEL.

WHITTEY, ONT.
JAMES PRIMGLE, - PROPRIETOR.
An omnibus to all trains. First-olase sam $\frac{\substack{\text { An omnibus to all trains. } \\ \text { Rooms attached. }}}{\text { T. } C L A X T O N}$
 TUNING AND REEPAIRING
Promptly attended to.
Good Sccond hand Brass Instruments Bought, Sold,
or taken in exchange.
Note the addresseNote the address-
97 Yonge street, near
dd Fellone' Hal
TORONTO.

## AMB K KNTTNG MACHIE




Lamb's Pamilly Knitting Machine,
$\$ 50$ and $\$ 53$ Each,
WORIBYIIAND LAMBS kyirriva Maurid An inisi
 the warket


 sito Ageat

CURRIE
BOILER WORKS


New and Second-hand Boilers for Sale
Works on the Esplanade, Foot of Chureh Street
TORONTO.
Poronto Nurseries
G. LESLIE \& SON,

Proprietors.
EXTEN'L, 150 ACRES





SIMPSONS CATTLE SPICE

PRIDE OF THE DAIRY thomas forfar, - Patcntce. Waterdown, Ont.


IIME AND I.ABOR SAVED

## THE OSCHLLAATING

## WASHING MACBINE

1870, b WILLIAM MATHEWSON OF BROOKLIN, ONT.
THI Patente challenges any other Washing

 trinl will sitixist any verect as to its merits. 8 and Machines for salo.
Apply to
WM. MATHE
 Brooklin, March, 1871. 8-1y

## CHARLES THAIN



 Second Prizo Two Horse Cultivator at the Provincial Show, Toronto, 1370.


PORT PERRY HUUSE, PORT PERRY, ONT. JAS. THOMPSON, - Preprietor. WHE Subscriber wiphes to inform tho communty


## FARMER'S ADVOCATE.

## THE JOSEPH HALL MACHINE WORK



OSHAWA, - - . ONTARIO,
ESTABLISHED 1851.

PROPRIETORS.

WE DESIRE TO CALL attention to our Number One and Two Buckeye Combined REAPER AND MOWER, WITH JOHNSON'S SELF RAKE IMPROVED FOR 1871. We believe this Machinc, ss we we
yet offered to the public of Canada.

Among its many advantages we call attention to the following:-
It has no Gears on the Driving Wheels, Enabling it to pass over marshy or sandy ground without clogging up the gearing, thereby ren Four Knives, Two for Mowing and Two for Reaping, one of which has a sickle edge for culting ripe, clean griin, the other a smooth euge for cutting grain in whitll these is grass or seed clover.
It has malleable guards both on the Mower Bar and Reaper Table, wlth best cast steel
Ledger Plates. It is also furnished with our
New Patent Tilting Table for Picking up Lodged Grain. This is the only really valuable Tilting Table offered on any combined Reaper and Mower. The Tabe can be very easily raised or lowered by the friver in his Seat without stopping his Team.
This is one of the raost important improvements effected in any Machine during the past two

## Any one or all of the Arms of the Reel

Can be made to act as Rakes at the option of the Driver, by a Lever readily operated by his fout. The Cutting apparatus is in front of the Machine, and therefore whether Reaping or Mowing, the entire work of the Machine is under the eye of the Driver while guiding his team. This
Table is se constructed as to
Gather the Grain into a Bundle before it leaves the Table, and deposit it in a more compact form than any other Reel Rake.

The Table is attached to the Machine both in front and rear of the Driving Wheel, which enables it to pass over rough ground with mucl greater ease and less injury to the Table. The Grain Wheel A.
corners readily.

The Rakes are driven by Gearing instead of Chains, and therelore have a steady uniform motion,

Making tyem ruch less liable to breakage on uneven ground, and more regular in removing
the gran. The Gearing is very simple, strong and durable. The Boxes areall lined with BABLIT METAL.
The parts are all numbered, so that the Repairs can be ordered by teegraph or otherwise, by simply giving the number of the part wanted.
There is no side 1raught in either reaping or mowing, and the Machine is so perfectly balanced
that there is no pressure on the horsess necks either whel reapiny or mowing that there is in pressure on the horsess necks either when reat
castings, where they are subject to much strain, have been
Twice annealed, thereby rendering them both tough and strong. OUR JOHNSON RAKE
Is so constructedsas to raise the cam so far above the Grain Table that the Gran dues not interfere with the machinery of the Rakes ur Reels.

We make the above Machine in two sizes :
No. One, large size, for Harmers who have a large amount to reas


No. Two medium size, for Fariners having more use f a Mower than for a Reaper.
With the exception of difference in size, these Machines are similar in every respect.
Vo. 2 Machine supplies a want heretofore unfilled, viz: A medium between the Jun. Mon and large eombined Machine, both in size and price. Wize Ah Mell distribute our sample, man mand
an March amon our in March among our
And we guarantee that all Machines shipped this season shall equal in quality and timish to the samples exhibited by our agents We invite the public to withhold giving their orders until they have had an opportunity inspecting our Machines, as
yet offered on this continent.

> We also offer among our other Machines:

Johnson's Self-Raking Reaper, improved for 187 with kno knes, smooth and sickle edge, and malleab guards.
Wood's Patent Self-Raking Reaper.
Buckeye Reaper No. 1, with Johnson's Self Rake. Buckeye Reaper No. 2, with Johnson's Self-Rake. Ohio Combined Hand Raking Reaper and Mower Cayuga Chief, Jr., Mower.

Buckeye Mower No. 1.
Buckeye Mower No. 2.
Ball's Ohio Mower, No. 1
Ohio, Jr., Mower.
Taylor's Sulky Horse Rake.
Farmer's Favorite Grain Drill. Champion Hay Tedder: axd our celebratem
HALL THRESHER AND SEPARATOB
Greatly improved for 1871, with either Pitt's, Pelton, Planet, Woodbury, or Hall's 8 or 10 Hom Power. We shall also offer for the Fall trade a

## NEW CLOVER THRESHER AND HULLER

A new and complete Illustrated Catalogue of all our Machine is being published, and will be ready for early distribution, free to all applicants.

All our Machines are warranted to give satisfaction, and pur chasers will have an opportunity of testing them both in Mowim and Reaping before they will be required to finally conclude th purchase.
For further information address
F W. GLEN,
PRESIDENT,


[^0]:    hea:r rem hea:r rem
    frow Chas
    
    chy of a every one $k$
    this disesise
    nit his plea
    at his plea
    then ond odr
    kold, he is
    he ,
    be moisten
    moderate
    mad
    is much le
    A still f
    fron the
    c pabian, 4
    c pabia, 4
    marnesia
    malls: giv
    morning,
    Kood satisf
    Eberbach
    2. Ano
    that lobel
    feed, for a
    you can $h$
    the heave
    you can h
    the heave
    3. Avo gives me
    the ball fif the bail
    pach one

