

VOL. VII. $\left\{\begin{array}{|c|}\text { wILLIAM }_{\text {Editor and }} \text { Proprietor }\end{array}\right\}$
LONDON, ONT., DECEMBER, 1872.


| TENTS | ary of Eight Years' | Agricultural Grounds of London and Hamilton. | to them without delay.-armers will be found to sift the bottom. Remember the bottom. |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
|  | place in Canada where se | alace is attracting g good d | and perhaps you may be called on to re- |
|  |  |  | eakers. |
| Hinico | c | there between city and country. We re- | Prety state or Amars. |
| Provincial |  |  | The farmers around the cities of |
|  |  |  |  |
| Obituary |  |  | of their agricultural groundsin the wild the Exhibition Buildings |
| (e) |  |  |  |
| Others gee Uss , jay Houselold Educati |  |  | wrested from us ${ }^{\text {wn }}$ (his at once and not |
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| ut Timet |  |  |  |
| Preparins the |  |  |  |
| $n$ Y ard Manure | taken to overthrow ourplanss have been Many of these attempts |  |  |
| Swamp Muck..................... 181 n | more than cruel and dishonorable, |  | ot |
|  | to |  |  |
|  |  |  | io Perrliament :- |
| Apiar |  |  | emen |
|  |  |  | aving been deprived of land and tim- |
|  |  |  |  |
| Working of Bees Wax............. ${ }^{181}$ then |  |  |  |
| ${ }_{\text {a }}^{\text {and }}$ Rem |  |  |  |
|  |  |  |  |
|  | valuable kinds of seeds, grain and roots. |  |  |
| king Fruit. | try |  |  |
| M Hraur |  |  | $\begin{aligned} & \text { ner } \\ & \text { ed. } \end{aligned}$ |
| Absinthe |  |  | humble servant will ever pray. |
| Stead Poisoning | We may have made remarks when |  |  |
| Cure for the Opium | it might have been more pruxtent to have |  | Also, 1 would most respectfully call |
| ERMV.RY:- | 3 kepte silent, and we imay have done ats |  |  |
| Stock and Dairy :- | win can te always right |  |  |
|  |  |  | , |
|  |  | - citizens' health, and, when needed, con- ${ }^{\text {cenen }}$ - |  |
|  | seful institution when danger |  | sides showing the farners of the country |
| The Aldernays ${ }^{\text {chem }}$ | We believe the information furnishod |  | of such an instit |
|  | \%, by us in reeard to sted wheat alone has |  | , |
| Poulty Nomenclature (will a a illustric- | ss |  |  |
| cultura) Iteems | ${ }^{\text {cour }}$ |  |  |
| ELLLXREOTs.................... ${ }^{185}-186$ | 6 |  |  |
| am |  | They have the city press; the interest of |  |
| Bug | potates. Our writinys have tended to |  | - |
|  | check the introduction and siread of dan- | We do not desire to sce aroused a sec- |  |
|  |  |  |  |
|  |  | will not swerve from our | r $\begin{aligned} & \text { Fromin one who desires the prosperity of } \\ & \text { this Dominion, and one who should bo be }\end{aligned}$ |
|  |  |  | allowed to prosper with it, your obedient |
|  |  |  | eservant, |
|  |  |  |  | this matter to the botton that an dct of Parliament is applied for and perhaps you may be called on to re-

quest your right to be taken from you by a

A Preit state or Amairs. The farmers around the cities of Hamilteir wicultural Egrounasio Che civien that cost us so much. Are they to be wrested from us 1 Wo
hould enquire into this at once and not hlow th. $m$ to be frittered away. If the per acre, the farmers should have the beneof this. Find out the purpose now, or ,
(he Yon. A. Mc Kellar' Mininster of Committee and Members of the $O_{n}$ -entlemen,--
Having been deprived of land and tim ber,and having had to defray heavy law exGovernment surveyors, and erroneous dibothec, and from your Limitation Act, for ben rendered, I r respectfully request that you will cause enquiries to be made and onyself or family for damages sustained. W. Weld. our attention to tho fact that for eight years I have devoted my time and means hy all to be of pulbic Canadian Agricultural Emporinered be sides showing the farmers of the country of such an institution, , have put the same in operation in an' small way, and that these ןlans shouild bee taken up by muneratink the orisinator for his years of Whor and linoney exjended to establish a 1 would also pray that you will give amine into this case before expending From one who desires the prosperity of allowed to prosper with $i t$, your obedient aud humble servant, W. Wwo
W. Weld

The Mimico Farm
Having devoted our time entirely to our
gricultural affairs for many years past, and having endeavored to attain informa tion in regard to them in their various bearings, we deem it our duty to explain to We cannot expect all of you to see things
with our eyes, or to agree with all our with our eyes, or to agree with all our
views. open for you to express your views. We have always asked for open and free dis-
cussions. cussions. However, there are two othe
agricultural papers in Canda iu whic you may reply to or confute anything in you may repy to or confute anynely, the
which we may be in error, nainer
'itnada Farmer, and the Colonial FarCinnada Farmer, and th
the origin of the mimico parm. We have given years, in fact, we have devoted the most vigorous part of ou perimental, educational and sale farm ; we brought forward our plans and commenced operations long before we commenced this paper. Addresses were given in regard t Catharines, Grimsby, Brantford, Par Yatharines, Grimson, Woodstock, \&c., \&ce.
Oorkville, Princetand Commendatory resolutions were passed a almost all these places; leading gentlement
said it was a subject the Government should support
In Delaware and in this city two of the (at that time) strongest political party anen opposed us in every way, stooping pose. They had power; they led others. Had they not taken such a course, most probably they would he in the Legislature haps the other.
We are quite sure that politics was the cause of their opposition. Their individual attempts might not. have been of much injury, but as these persons have
had Government pay, and both had great influence with the small fry and Government powers, they have been
do much to thwart the project.
do much to thwart the project.
were able to bring in every imarsing were able to uring in every imaginahle
way, were unavailing to thwart the undertaking.
The next attempt made was to yarchase
our conscience. The leading power had said that it would require $\$ 100,0$ on to to s tablish the farm, aud he at length made
this proposition to us, no doubt from suthis proposition to us, no doubt from auwould place him at the head, (we knowing the time that the Minico Farm receive ts birth from the Legislature, we were consulted bing considerable influence with the Minister of Agriculture, and were offered the immediate increase, of the circulation of our paper to five times the number is-
sued at that time, if we would surport their plans.
We have looked on the Western Fair as a political engine more than an agricter al institution. Its object, we consitered It was to have been held up as an example of local enterprise, and upheld hy the
press ; the Provincial Exhibition was to have been permanently estallished on the
Mimico Farm, and all the local exvihitions and agricultural interests, as far as possible, made subservient to it The The
power that such a course would throw inbeen sreat. The principal mover in the Western Fair was to have been the man:ayer of the Mimise Farm : this we are con-
vinced of. The opposing party, or Ampaco Farn injure private enter erise, and an inten tionally damaging resolution has been passed and publisisicd in party papers. The ervices. We have challenged an open discussion to establish these facts,
one has yet ventured to take it up.

The reason of this opposition was not because we have taken part with the op tempted to carry out our own views in regard to keeping agricultural interests
independent of party politics, and did not independent of party politics, and did not
yield to serve the ends of the party in yield to serve the ends of the party
power when inducements were offered. Thus the Mimico Farm has been estabhished to check private enterprise, and
make positions for-political friends ; rather to enchain and enitrammel agriculturists thau to aid them. Is it not rather a sandy
suadation to build on?

## The Provincial Exhibition.

Attempts have been and still are made on the Mimico Farm. We are not aware that any farmers ever suggested this plan,
but some influential persons have, and, but some influential persons have, and,
perhaps some farmers within forty or fifty perhaps some farmers within forty or fifty its adoption. But the majority of the
But farmers in the Province would be opposed
to it if it were permanently settled there, and very few farmers living beyond a day's drive of
the Exuibition
The interest in it would fall into the hands of a few. . two years; then it would become stale and probably be almost as poor as the re cent agricultural exhibitions in Toronto.-
They have been nearly total failures (the Provincial Exhibition excepted), very sparsely attended by buyers, sellers, exhi bitors or spectators, and did not half equa in interest or utility scores of county or
township exhbibitions held at a distance township exh
from the city.
The cities
The cities and city members may advo
cate and centre the Exhibition at Toronto they are powerful, and large sums o money have been expended in variou
cities, nominally for the public good, but often to gain political power, and Toront
muct he favored as well as other places. must he favored as well as other places.
The atteinpt to take the Exhibition awa Them the farmers we canuot approve o anenal visits awakens in each locality fiesh energies, and gives the farmers of
the surrounding country nu opportunity Having attended it for
always been astouished at the very fen whon we know that come from a long dis
tance to see it. For instance when it hehd even in Hamilton, scaicely a farme cent a few whio may be appointed a
juiges, or who are exhibitors. Yery fe judges, or who are exhibtors. Yery fey
real practical farmers who do not receiy cash pasment iu some way, wil
attend it, unless they can go and return the same day to their homes; 50 miles by rail is about tho greatest distance that
farmers can go in a day and return, that is to give them an opportunity of seeing th
Exhibition. As for staying over night that is out of the question, as accommodal
tion at $\$ 2$ to \&t per day is tho heary
an iteln.
The Proriucial Exhibition is a school,
and a school should be placed where schol and a school should be placed where scho
ars can attend. We all pay for it and a want it. visited a section once in 7. years. There which the inhanitants cannot afford $t$ come to see it. The locations for homidins If it is for the mere pratification of the citizells, it wonln be right for us farmen
to abandon it. What is the sum of $\$ 10$. to abandon it. What is the sum of plo
one per manal for such a nesful iastiat
tion. to the expenditure of the Mimico Farn project,
signed.
culture in comparison to the expenditure for other purposes, but the farmers directly or indirectly pay for all. We We
know of no person who has asked for the

Mimico Farm or for the centralization of
the Exhibition there. The farmers should the Exhibition there. The farmers should At our annual meetings their opinions might be obtained. Of course those in or near Toronto
would favor the centralization of business there, and may influence many to support them.

## The Rinter Question.

Such is the heading of many articles changes. It is a subject occupying much of the attention of farmers, and, stil more, of the farmers' newspapers and the produce merc
It is one of no little importance, tend ing as it does to add to or subtract from the profits of those whose wealth is
the produce of their flocks and herds, no less than in their cereals.
Thongh we have no means of ascer taining the statistics of the butter trade
all know that for this one article of proall know that for this one article of pro-
duce a very large amount of poney is re duce a very large amount of money is $\mathrm{r}-$
ceived by the farmers of Canada, for export as well as for home consumption; and the amount is continuaily increasing. A
the population of our cities and towns inthe population of our cities and towns in-
creases, and as the ability of their inhabitants to buy whatever is conducive $t$ their comfort becomes greater, in like pro portion must the demands be yreater for
the products of our flocks and folds. ready sale met with by farmers for meat and butter, and the high prices that have
been paid for some time back. are unprebeen paid for s.
cedented here.
This question pressing itself upon the minds of both p.oducers and merchants
of produce is, when we take into accoun the sums of money paid for this. singl
item of our industrial pursuits rem of our industrial pursuits, one of
nuch moment. There can be no doubt of the fact that very large sums-thousand and thousands of dollars-are lost to the
country by sending to the market butter country by sending to the market butter
of very inferior quality. Even in our some market we every week see butter have within the last few days seen butte aftered in this marked (Lonat) for 15 ce
 ince icks at from 18 t t 20 c There 1 ar
direct loss in the salc of the inferior arti cle of not less than twenty-five 1 But it is not in the home market, it is in
the export trale that there is the greatest loss. Some butter sent to the Enylish cept as grease. In one of our exchange we fiud the following item:-
letter from a commission merchant in Montrear, the other day, in which he states
there are still $40,000 \mathrm{kcgs}$ of Canadian butter of last years' production in England, unsold, and it is entirely unsaleable, cents per pound. The same letter stated that there were over 10,000 kegs of the sume kind of grease left over in the Mon-
treal markets, which were also unsaletreal,"
Five cents per pound for butter!-a loss his ruinous waste be avoided? We believe it can; we are certain that every cent so
wasted might have been saved to the country.
One movement in this direction has been taken. The butter dealers in some places,
as for instance, in Elora, Seaforth, Clinton, as for instance, in Elora, Seaforth, Clinton, as our exchanges determined to pay for butter only Elora prices as it is really worth. The there ranged during the past week at from
eight to sixfeen cents per pound, and some that was brought in they refused altogether to buy. In some places they have resolved to appoint inspectors of butter,
who are to brand it according to its quality.
This subject has for somo time engaged
our serious attention. In our issue of Oc
tober tober, under the head, "Stock \& Dairy," ject- "Making Butter," and "T The subof Good Butter." Both will resecret attention of the reader. There is no arti-
cle of fool quires sood. no preduct of the farm, recleanliness, not only of the person mak ing and handling it, but also of every thing that may come in contact with it, as butter. And, with the most exact methods and the strictest cleanliness, butter nay sometimes be sent to market in a bad dairymaids have not the advantage of having milk-houses vith a temperature at all times equal, having in them a spring
of cool, elean water, as other places have of cool, elean water, as other places have.
But they have cellars and milk rooms that may be made to answer every purpose required. They can be so made
and arranged, but they are not always so and arranged, but they are not always so
they are too often deficient in ventilatio On entering them we are at once made sensible of their unsaitableness for keeping milk and butter by the unpleasant,
fetid odor and the stifling unhealthy air. it is necessary that any place where mill is kept shall have a free circulation of air; that it be in ceiling, walls and floor, perectly clean; that no vegetables or meat oom aud nothing else.
There is yet another cause of the inerior quality of some of our butter-it is, we believe the cause of the werst speci-
mens being grease. It is the little care taken of it after being bought, by those who buy it and take it in trade in country stores. They put it together in kegs and almost melted, when they get it from their customers. This butter, exposed to heat and foil smells, and different in color and preparation, always brigs low Farmers here are beginning to realize
he fact so well known to English farmers For all the meat and butter they can For all the meat and butter they can
bring to market there is ready sale at remunerative prices. The supply, as well as the demand, is increasing, and will increase. May we hope that the increased
supply will be in products that will pay the producer. Av inferior article is a sure source of loss.--As'st Ed.
Sheep ws. Dogs, and Cily vs. Mr. Jas. Gibson, of London Township, mported a very fine flock of Lucom
sheep, sone of which he exhibited in the States and some at our Exhibitions, carrying off first prizes at both places.
It is well known that the conf It is whel kiown that the confinement of sheep in close pens for a length of time
is injurious to their health. Mr. Gibson sought for pasture to turn his sheep into during the night, which all sheep owners are desirous of loing when exhibiting, and
he had one very valuable sheep killed and others injured.
By the city protecting regulations no
remuneration for his loss could be recovered,as in the country.
wards the farmers. A dog tax is levied in both city and country, aud the money
was intended to def ray damage done by was intended to derray damage done by
dogs to shepp. The cities incorporate large tracts of arable and grazing lands in their sinburbs, preventing farmers from
using the land within any distance from the exhitition grounds that the sheep
could be taken to if folded within the sity limits. We sec the results.
The citi. The cities receive the money for the
dog tax and retain it. The city dogs can go into the country and feast themselves on our mutton, but there is no pay from
the city for the feasts these useless curs get. Again, a farmer may have a most valudog to come to the city to aid him in
driving his cattle or sheep, but should it driving his cattle or sheep, but should it
happen to be on a day that the citizena

## FARMER'S AUVOCATEE

order all dogs to be muzled, poor, Tray
the pet of the farmeres
wife and chilidren,

 Lick, a shadder, and poor Tray is dead.
The farmer is enraged, his wife and child
 mary be worth $\$ 100$ to its owner. The farmer knows nothing about the whims of
citizens who may be empowered to kill kis cotizens wio may he
The farmers should have the amount of money raised from the dog tax to liquidate the damages done to their sheep. They
should also be allowed to drive their shee should also be allowed to drive their sheep
and cattle in or through a city with ut and cing liable to have their dogs killed. We hope some members of Parliament who
are elected by farmers will, iu considera are elected by farmers will, in considera power, look into the just rights and
claims of farmers, and, if possible, get for them their just dues-fair play. In speaking of the distance to where
lands are incorporated, we know that miles east of the Exhibition grounds at Toronto, is incorporated, and perhaps six

The Government Earm. We are unable to say whether this in
stitution will exist or not in Canada will be a subject for discussion at the next session of Parliament
Had the selection
been of suitable quality, we have but lit tle doubt that the project would be car ried out at Mimico. The questions may be these: Is there not a more suitable situa tion? Is such an institution required
Would the farmers of Canada be benefitted by it, equal to its cost? Would the under-
taking have a tendency to check private taking have a tendency to check private
enterprise? of ivery great deal may be said in favor doubt but that the introdnction and test country, although carried on by only pri sults maystill be obtained, and through
the press the information conveyed to the the press
farmers.
It is our opinion that such an institu-
tion or institutions could be carried on much more economically and more bene-
ficially by private individuals or companies formed for such a purpose, but
this for some reason that we are unable to explain, the Government have not allowed. Perhaps at the next session the law may
be altered, aud, if it is, we believe there will be numerous Experimental, Test and ducational Farms estabst every count may have one. Some slight aid might be given by the counties, and perhaps by the excel, and much profit might be obtainod.
Manufacturers and tralers wishing to form companies may do so, but to tarmer not interfere, we have no doubt joint stoc companies would be found, perhaps in ev
ery county. for agricultural advancement. ery county. for agricultural advancemen
The Government, some years ago, ex The Government, some years ago, ex-
pended large sums to establish a simila institution in Toronto. The farmers paic
for it and received no benefit. They als caused an agricultural paper to be pub-

Bering Burtrr Fark-The Berlin Tele
 firkin butter, and 2.3 if rolls, while thie qua-
lity, onthe whie was excellent. Nearly tw
hundred firkins were sold on the spot at price ranging from 13 t t 20 c . per 1 ln , and a a arge
quantity of roll hutter a. an averace price of
$18 . \operatorname{per}$ lo. The advantages of such a fair are
apparent.t The projected harbor improvements at King.
ston, for the carrying out of which an appr ston, for the carrying out of which an appri-
priation of $\$ 0,0,00$ was made last
to be commenced at ouce.

THE burnt district of Orillia is almost en-
tirely corered with new buildings, in various
atact on onatruction,

## Obituary

 Edmonton, died at his residence on Farm, of November. He had gradually beenfailing for some year He has been one of
stcck-raisers in this Dominion. He had great difficulties to contend with, but by good management he attained the highest
position, having at the last Provincial Exhosition, having at the last Provincial Ex-
hibition carried off the Prince of Wales
Prize, for the best Short Horn herd in Prize, or
Canada.
We look
We look on his demise as the loss of a
friend. To him your paper is more infrient. To him your paper is more in-
debted to its exisisence than to any other
breeder breeder. Desiring the progress of this
journal, he generously gave one of his journa, he generously gave one of his
fine rams as a prize for getting up clubs for the paper
His sons,
His sons, we presume, will carry on the
business so business so well established by their
father ; in fact, his eldest son has long principal manager.

## Ehow Oihers see Us.

We have from time to time spoken
through the columns of this journal of the advautages Canada offers to emigrants, as well as the golden opportunitics those
already dwellius within her fair tomain already dwelling within her fair domain
have for providing for their families an inhave for providing or the steady, increasing pifgress visible in all her provinces. To
this we have the pleasure of adding the testimony of an American gentleman, competent to pass judgment on such mat-
ters. The Editor of the Naticnal Live Stock Journal, published in Chicayo,
having returned from a Canadian tour, having returned from a Canadian tour, We embraced the opportunity, presented by
the recent stock ssles, to uive a visit to The recent stock sales, to wirke a visit to
Canada ;and although circums arces prevented as general an inspection of
could have desired, we

## received concerning the country aid its penple. In its general apperance, the portions of Canada visited by

 Canada visited by ut resembled very nuich thefar-famed Bue Cras R Region of Kentucky.
save that it is much thetter watured and mu save that it is much hetter watered and mu 1
better cuitivated. Its advantaçes as a stock conntry are of the highest order, the grasses
being abuudint and nutriine, and the
proximity of the lak os and thit prevailing wronds such as to secure more relialle pastur-
age than that of allonst any vother region it
age age than that of almost any cther region
las been our fortune to visit.
Its stock inter sts, too, are developed to a

 and the advantages hatich it already presents
to thise wishing to purchase property of tili
 the supply is abundant, the quality good, and
the prices demanded for it extrenitly reas.o.
able. The farms, as a general rule are num
 improvements are generally suls tani ial, rather
than showy, and everything arpears to te than showy, and everything appears to
prformed in the my thorouth manner
We were We were specialy struck with the evidence
of thorougl cultivation presented by all the
fild ields, in which there was an aluost total
absence of wee is, while no fence-connels $w$ ele
 farspicuous a reature upon many Amere lack that "high pressure" which
The penp'e
 In slort, we were exceedingly well pleased
with what we sww in Canada, and connot
conceive why any one should have a desire to conceive why any one should have a desire
emigrate from such a country to any other.


Value of Straw as Food for Stock.
In the Farmers' Advocatr for November there appeared a report from an
English journal of an address on, this subject, delivered at a meeting of a Farmers' ger supplies of food for cattle, than far mers are in possesion of, forces them th
think of the value of straw as an addition to their stock of hay.
We find the same subject eucaging the attention of farmers in the United States.
The Western Farmer says :--" Mr. Yan duzen, of Elmira, N. Y., recently read a paper in which he spoke highly of the
yalue of good, clean, bright straw, as food dry cows. Last winter he fed six quarts dry cows. Last winter he fed six quarts
wheat bran aud all the straw the cow would eat, with very satisfactory results afterwards he fed four quarts daily, of a
mixture of one-third corn $m_{\text {meal, and }}$ twomixture of one-third cornımeal, and two-
thirds wheat bran with the straw, up to the time of eating."
There can be no doubt that straw is o great value as fodder; I have known stock
to he fed entirely ou straw during the winter and keep up a middling condition. But on this food exclusively for his cattle no farmer should rely. In feeding stock it To pay their owner they must at all times be so well fed as to be in really good con-dition-there must be continued improvement. This I know from actual experiand using straw as the main food.
Let the farmer who cares for the improvement of his stock put them into the
cow house in time, before the cold weather reduces their condition. A few colld nights
late in autumn or early in winter will late in autumn or early in winter wil
take away from them all they have gained in many weeks. If in the woods they
may do very well till later in the season but it is great folly to keep them shiver ing in a bleak stulble field or on some unsheltered common, or by the road side, when they show fer fodder buse clean, sweet and fresh; and let them, in
addition as soou as the winter sets in, have greeu food twice or at least once a
'ay. A farmer can always have for his stock rreen food for cutting, enough to do them tili the winter storms, and then he can
give them a feed of roots daily. Besides, chaft, small grain, \&c., will, if steamed, he of good use in feeding,
bo wasted on the farm
"But how, are we to keep straw fresh for fodder ?" This also only requires a
little care. When the wheat is threshed in the fall let the straw be carcfully stored
in the barn, if you have barn room suff.lessly, but carefully, in stacks or ricks if it were hay. In stacking sprinklee a
little salt over every layer of straw. You can then, as you need it in the winter, take that is used. Py this means it will, if well fed, keep pretty sweet. This is the only
neans to keep it sweet for fod the threshing machine.
By hustanding your straw carefully an using it in aldition to your hay, you can
teed more stock, and the more, stock you feed more stock, and the more stock you
feed the greater will be your manure hear and the more fertile your farm.
Wintering stock badly does inrre to les
sen the owner's profits than almost-afiy other wasteful husbandry. Stock well
fed during the winter are worth from to 50 per cent. more in May than if the had been neglected, as we see them to often. In the early winter months thi
neglect ton frequently occurs. This is a great oversight. Cattle should not be
suffered to fall away from the good con sution consequent uy from the summer pas
dition
tures and the rich tures and the rich aftergrass of autumn. easy matter to restore the condition from
which they have fallen. It is not enough $\mathrm{t}_{\text {tio }}^{\text {to }}$
to he kind to the cows that are filling the milk lails in the winter months. The
store cattle should be carefully looked to supplied with good food in sufficient quantity, and kept dry and clean. Have ongh and at the same time properly ven-tilated.-As'st Ed.

## Prospects of Fall Wheat

The Fall Wheat has a much
tronger blade than it ${ }^{2}$, usually has stronger blate than it $\}$, usually has
on the setting in of winter, showing a very great contrast to its appearance last ycar at this time
Tle Wire Woin
in some sections, but hot some damage in some sections, but not sufficient tc
aftect the Crop materially. The present prospect is that we shall have one of the
finest crops of fall wheat ne that we have ever had, but next harvest count our chickens before they are hatched. The rankness of the blade may cause some crusted ther if the snow should become to admit air by punching holes in the snow. We once saved a good portion of a crop by this means.


Children hunger perpetually for new ideas.
They will learn with pleasure from the lips of parents what they deem it drudgery to study In bo ks ; and even if they have the misfor
tune to be deprived of many educational od
vantages, they will rrow up intelligent if they vantages, they will grow up intelligent if they
enjoy in childhod the privilege of listening
daily to the conversation of intelligent daily to the conversation of intelligent people.
We sometimes see parents whare the life of
ever and uninteressting at home among their childand uninteresting at home among their child
ren. If they have not got mental activity
and mental stores sufficieut for both, let themi and mental stores sufficieut for both, let them
first use what they have for thaifown house-
holds. A si'ent house is a dulip place for young people, a place from which they escape if they
can. How much us? ful information, on the an. How much us? tul information, on the
other hand, 15 otten in family conversation,
and what unconscious but excellent mental and what unconscioas but excellent mental
raining in lively yocial argument. Cultivate
to the ntmost all the gracu of home converta.
may have a most valucity to aid him in
sheep, but should it day that the citizena
is acting just to tray damage done by The cities incorporate
nle and grazing lands in eventing farmers from
hin any distance from o if folded within the ve the money for the
it. The city dogs can it. The city dogs ean
y and feast themselves there is no pay from
ists these useless curs
y.
\%s, and City of London Township, ch he exhibited in the
our Exhibitions, carry t both places.
that the con ns for a length of time heath his sheep into
to turn
hich all sheep owners y when exhibitinn, and
luable sheep killed and tecting regulations no

## ggritulture.

## Advancing Agriculture

To our Inventors and Patent-Right
Men:-
Horace Greeley attended the Vermont State Fair, and, as it was made known, a
very large crowd attended from the sur very large crowd attended from the sur
rounding towns and country. He gave rounding towns aress that was listened to
long practical addrent We copy two ex-
with much attention. with much attention. We copy two ex-
tracts from it by the Richmond Guard-ian:- 1st. Wind.-For at least five thousand years wind has played a leading part in navigation; why not also in curtivationdDoes nature afford any tractable and sering wind as inherently tractable land ? Merl have ground grain by wind power for at least a hundred generations; why not thresh it as well! Nay, why shondstone not press cheese and pump water, and even ultimately plough fields? Who dreamthat the inventions of the past bear an proportion to those of the
ture? We have at length learned that such is the elasticity of air, that a wind mill running throughout the night may thereby accumulate power to be expended during the ensuing day or uays. suppose that we shall much longer allow
this enormous aggregate of power, whicb has hitherto thrust itself into our very faces unregarded, or at least uncompre
headed, to expend its energies in topping our chimneys and blowing the apples fron our trees? I tell you that this is not pos, sible. I have nothing to say of A's or B' or C's contrivance for utilizing the power
of wind in the service of agriculture. of wind in the service of agriculture.
you insist that all these are fantastic an you insist $I$ shall not contradict you; shall only insist that the power is there-
that it sweeps over every field on almos that it sweeps over every field on almos
every day, and that the means of utilizing every day, and that the means of utilizing
it, if not yet discovered, soon will and
must be.
2nd. Water.-A hilly, woody country,
naturally abounds in springs and brooks ${ }_{-}$in rippling streamlets and dashing cas-- in rippling streamets All these are reservoirs of power - for the most part unused, unregarded power. artificial, will yet be employed to create or artificial, will yet be employed to create
(I should say transfer) power, in the shape (I should say transfer) power, in the shape
of compressed air ; and this power will in time be used at long distances from the point at which it was pressed into the ser-
vice of man. Especially in resions like this, where considerable streamlets often fall a hundred feet in a mile, will water be made to play an important part in the
creation or utilization of power for the creation or utilization of Now, william D. Kelley, arguing to a
farmer.
Southern audience the impolicy of slavery, asserted that a dozen men and doy had often followed for days on the track of one lame negro, while water powe
equivalent to the muscular force of 1 'con equivalent to to waste unregarded beside
negroes ran the smile at the folly thus forcibly
them. We exposed, but might not the smile be
broadened into a langh and turned arainst broadened into a laugh and the brain power 0 stop this monstrous waste, I feel sur
hat our crand-children will possess and hat our gran
exercise it.
aggregate at the bottom, where, becoming broken and impacted into solid masses,
mixed in earthy deposits under hydostramixed in earthy deposits tic pressure and chemical forces, become marble. All marble quarries are supposed to have thus originated in the abyss of primitive seas, and were afterwaras
vated to where they are found by upheavated to wh
val forces.
Where di
Where did the sea obtain such vast accumulations of lime ? From primitive rocks, set free by runne ocean through the intervention of rivers. Upheaval action raises enormous beds of sedimentary strata to the surface again at vastly remote inter
vals. Thus, there are limestone regions. By various processes in nature, it is slowly again returned to the great magaziue rom
which it was thrown up, to reappear at distant intervals of time--periods of un
defined duration. Thus, there is one definéd duration. Thus, there is on rest, though apparently so, are either the "rganic or inorganic m.
the world is composed.
[Lime is known to be of immense value to agriculture ; will pay. We know of
using it. It will large deposit of lime formed from shells extemling over a larye space. The tract
mav be procured at a moderate rate. may be procured at a moderate rate.-
We would most willingly becone one of company to purchase the bed of shel ime. It requires neither grinding or
burning, but would require capital to work it, as draining and digging would lave to
be done. We feel sure it would return a haudsome profit and be of immense value to farmers.-ED.
storing beets.
If the subsoil is porous, so as to give
perfect bottom drainage, a broad, shallow perfect bnttom drainage, a broad, shat which will take in a
trench may be dug, larger amount of roots without so much
lovering, and will also protect them betcovering, and will also protect them bet
ter from the cold. If the underdrainage is not perfect, select a dry spot, and make made four or five feet wide, and three high. There should be a thick coat of
traw, covered with earth, which is to he beaten smooth with the spade to throw off
rains.
The thicker the layer of straw the better, as it absorbs moisture-if eight or ten inches thick
when a few inches of earth will be sutfici-ient. If there is ess struaw, of covering must
be thicker. The amount vary with latitude. The heap may be a long as will hold a ith a crow-bar at the top, and filled with a wisp of straw, should Gentleman.
the land for grass
We are apt, very apt, tw overlook the fac
that land intend d for grass should receive nore thorough, cult:re than any other, because ares of the plow and cther implements to stir he soll, sun ansundion to keep out the air,
and more in a cond
and let in and pass off less readily the water. We should therefore thoronghly prepare the Sul.
well
it keep it longer in that con lition, mellow, well as
increase the yield. Such land will "catch' ncrease the and if plentifuily appliad, will be
its seed, and
certain under anything like favorable circuunstances to form a thick set. A little top
dressing, aided by the aitermath, which

## sh

crups-twe cuttings a yeai,
But let there be a cold, hard undersoil, and the seed put in in the usual way-little of it,
and on lard and reduced soil, without manure -what cim be expected of it ! Just whist we it wil harily pay for harvesting. Suchland
when the plow turns it down, will be found when the plow turns it amon, to but little
to be hard. The sol amonts
whereas, , mproperly ticated land, it will yield frum sixty to seventy ioads on mane per acre A mellow seed-bed, deeply loosened soil wel
eniched, plenty of sed sown, and sown a
early as possib'e-are the points to be secured early as possib'e-are the prints to be secure
application of manures.

The effort to work manures in deeply
with the idea of fertilizing the subsoil, with the idea of fertilizing the sut a few
which was extensiyely held years ago, is now pretty generally give up by most practical farmers. That idea was, if we mistake not, advanced and
maintained by Prof. Liebig and others.maintained by Prof. Liebig and stientific, as well as practical men, believe it most for the farmer's
the surface
the surface. At a recent meeting of the Farmers At a recent meeting of the Farmers
Club, at London, Prof. Voelcker said, in reply to some statements made by Alder man Mechi, " Don't manure subsoil of any
kind light or heavy, manure the topsoil kind, light or heavy, manure the topsoil
and keep the manuring elements as near as you possibly can to the surface, so that the young plant may derive immediate advantage from the food prepared for it.
This we take it, is the true doctrine very This we take it, is the true doctrine ver
forcibly expressed, and we believe it accords with the experience of the most
careful observers both in this country and careful obser
This position does not imply that lands howed only that manures should not be buried deeply. We like deej, ploughing. We like, in turning over the soil, to lay
up to the sun and air a sufficient depth of up to the sun and air a sufficient
earth aud mould, to have the after cultivation easy and light, without breaking up the turf and sod. But we do not like to turn under the manure too deep, and comparatively lost and wasted. If the sod is turned over deeply there is some
satisfaction in manuring and fertilizing satisfaction in manuring and fertilizing
the loose and mellow earth that is turned the loose and mellow earth that is this is a practical point of very con-
up. This up. This is a practical point or tery caretu
siderable importance, and is worth
investivation. - Massachusetts Plough investiga
man.
farm-yard manure.
The most generally important elements any manure are the phosphates- 1 notas
aid nitrogen, with its compounds (ammonia, nitric acid, etc.) The other ele ments are comparatively unimportant, a they are either not much needed by thl cient quantity. Every intelligent farme will then be interested in the question:How can these impor

## "tained and utilized?",

There are, as is well known, two sources
of loss in the management of barn-yar manure:-1st, By the action of water commonly known as wasaing, and 2nd, by are given off as gases.
are given off as gases.
The phosplates and potash being soluble, may be washed out, and not only they, but inuch of the nitrogen may be
lost in the same way. The enormons loss lost in the same way. The enormous loss
occurring yearly thus can scarcely be con occurring yeary thousands of dollars are spent
ceivel. Ther yearly in the purchase of super-phos-
phates, mainly in order to get the phos phoric acid which they contain. Now we lose, by the washing of the of this valuable
many times the amount element which is bought in commercia fertilizers.
By the other source of loss, viz., gaseou
evaporation, only nitrogen is carried off.This evaporates as carbonate of amnonia It is the salt which forms the odor of the
manure heap, as also that of smelling manure heap, as also that of smelling
salts. Although we can generally dissalts. Although we can olfactory organs,
cover its escape by our or
the matter may be tested by dipping a feather in vinegar (acetic acid) and hold ing it over the manure heap. The forma
tion of a white cloud on the feather show that ammonia is escaping, and is deposite on the feather as an acetate. The pre
vention of these losses is a matter of great importance.
In regard to the first, it is plain that heiter from rain will accomplish the end, mers to ketp all their manure under cove nor is it absolutely necessary to do so.
Dr. Voelcker, one of the highest authon
ties, has proved that very little loss is su tained if the manure be exposed only to What rain falls directly upon it. If then,
the farmer has good eavetroughs for his buildings, and prevents the running of a tream of water through his barn-yard: laving it at the same time sloping a little roof for it.
The other source of loss may be prevented by keeping the manure moist and allowing free access of air. It is only in putrefaction that nonia is formed and escapes. By allow-
ng free access of air, decay takes the place of putrefaction- -the nitrogen being then oxidized to nitric acid, which is not volatile, and is one of
clements of plant food
It has been strongly
It has been strongly recommended to
add gypsum (sulphate of lime) to the mannre heap, in order to fix the ammonia.The best authority, however, considers this as of little use. A sprinkling of sul
phuric acid in the stable is the best agent for this purpose, as it cônverts the carbonate of ammonia into the sulphate, wich is not volatile.
If it could be done, however, it would save trouble and lnss to apply manure i
a fresh state. It has been proved by most a fresh state. It has been proved by most carefh manure is more valuable than tha rotted in the ordinary way. Even if man a ton of it is but little more valuable than fresher. It is certainly quicker in its ac-
tion, but the trouble of caring for it countion, but the trouble of caring for it cou terbalances this advantage
fresh, if possible, and use it as a topdressing.

## overing manure.

It is remarkable that more attention is ot given to the subject of covering manre from the weather, and especialy trom patter particular attentiou have found that manure so protected is worth double hat which is left out in the open air.Two loads for one is a profit few farmers
an afford to lose. There is no question which so vitally concerns the farner as which so of manure. Much that he does has reference to it. Straw is not to be sold, because it makes manure. Stock is
fed through the winter for the express fed through the winter for the express
purpose of manure making. Articles purpose of manure making. Arcicles are, nevertheless, taken to the city in order that manure may be brought back as manure made remains all the season exposed to the sun, wind and rain, until it is diminished in value to so great an extent as it is.
The tro
The trouble is probably that few really this loss. But the matter has been too thoroughly tested to admit of a doubt.We know first-class farmers who did not
themselves believe it, until by actual experiment they found nut its truth. In arranging farm buildings it will pay well to look as much to the preservation of the manure as of the hay or grain, and
those who have their buildings already fiose who have their bunded without these manurial arrange mished without these mantyive or fifty dollars spent on boards for a covered shents will rank among the best investn.
ver made.-Germantown Telegrapil.

Where agriculture is carried on in the greatest perfection there is always the
reatest demand for manure. Thus is
it ureatest demand for manure. The area of country,
in England. The as compared to the great extent of such
ations as the United Statss of America, is very limited, not much greater than the ingle State of Pennsylvania; yet she tonsumes annually not less than 800, om a much larger amount vetroughs for his
the running of a the ruaning of a
this barn- yard
he sloping a litle he sloping a little
t need to provide loss may be preloss may
manare moist and
mir.
It is only in carbonate of amapes. By allow-
decay
teakes the
he nitrogen being heid, which is not - recommended to \% the ammonia1owever, considers
sprinkling of sulsprink ing of sul-
is is the best agent colv rerts the car-
uto the sulphate,
however, it would o apply manure in
eeen proved by most een proved by most
weilght for weight,
valuable than that way. Even if man-
wate the the more valuable than liy quicker in its ac-
f caring for it countage
1 say apply manur
d use it as a to
at more attention it ect of covering manbe who have given the
itentiou have tound tention have tound
cted is worth \&ouble in the open air--
a profit few farmers There is no question Much that he does
merns Straw is not to be
es manure. Stock is ter for the express
making. Articles ay to send to market en to the city in or-
en be brought back as
y yet the whole of the
ne all the season exns all the season ex-
nd and rain, until it is
obably that few really d manures undergoes matter has been to
to and farmers who did no
$i t$ until by actual ex d out its truth.
n buildings it wail paz in to the preservation f the hay or grain an an
ieir buildings alrealy lese manurial arrange ates manty five or fifty
at $t$ twent
rard for a covered shed arrds for a covered s.e
the best investment the best investme
antown Telegrapl.
re is carried on in the or manure. Thus is or manure. ©us. cuntry re yreat extent of sicl
ited Statsi of America ited Statss of America
$t$ nuch greater than th
 in fertilizers, which is a
in

## swamp auck <br> trj value por weat solls-how to be

If the farmer had barn, pen and yard man
 its action and to neut.a ize the acidity of we
sour soils, he could improve tis 1 sind $t y$ alm ans sours extent, and there would be an end of the
manure question










Inuok contains just aboot the same ingredients
 common salt have heen washed out, while
they remain in the latter. ${ }^{\text {This }}$ shows for
 Common salt, and a lite lime to neutraliz its its
acidity - all costing but at trif
make preeisely the equi
the stable window
But we appeal rom a scientifict to a practical
view of the subject. Many sus $s e c t ~ t h e ~ d e d u c ~$








 ther fertilizers
not be beaten.


 the erpy, , ant, besilies, to effect a prinanent
tmprovemet of soils having too much sand or For gardening, farming and nurery, pur
poses- to all of which it is well suited. , berter













$\left\lvert\, \begin{aligned} & \text { frosts, snows and rains. The water from snow } \\ & \text { and rain } \\ & \text { always } \\ & \text { contans } \\ & \text { considerable am }\end{aligned}\right.$ and rain aways contains considerabe amp
monian and samp murk is one of the most
powerful retainers of ammonia for the use of
Cowerfu retainers of ammonia for the use
Cor Indian corn there is nothing better than
Fran


 sit will then bring up the seed in a very shurl
ime and produces a most vi. or ung growh.
In
 own experience, condirmed by the testimony of
farmers in whose juignunt we lave entire con




## fiforticultural.

## From the Pall Mall Budyct we have the foll lowing information on this important sub.







 Muisitit to supyly the vefieie
countries named to come from








 | Consstitutio |
| :---: |
| rent resice |
| eedel. |



## 



All Bulbs that bioane early in the sping
Anst to bive satisfaction be ppanted in the
anl of the year during October and Nove allo the year during October and Novemriched soil, choosing a spot where water does
not stand on the surface, as the Bulbs would eo atan to rot, and calve loss and dissappoint
nient.
Alter the beds
are sibent, ocver the suriace of the same with
sdressing of coarse manure to the depth of six inches, which will help to keep out frost,
in will,$~$

 have srown too much or else they
jured by the process of of sodoling.

Tht Apiary












 interteting.
beiteping.
wilh comb a


 one
















the fall honey harvest. Under the old box hive and brimston ble, who never learneel the fact that thero was a full honey harvest. It was the firm
belief of our grandmothers that bees made 3) all the honey from fruit blossons, and
did uothing the remainder of the season while the fact is but few have ever tasted. " frine the fossom" honey, all gathered at that early season of the year beeng qued in rais. ing the hives of rapilly naturing brools that are to gather the real honey harvest when it comes. Bees gather more or less roun Howers, from Felruary until October; but what we mean by a honey harvest, is
a time when there are abundance of honeyyielue when plants in blossom, and when the
y itmospplere and other conlititions are favor Whe to the rapid seeretion of honey in the
dowers, aud when the bees can kather rryely in excess of their consumption. It is of very great importance to the beewhor long it lasts, ett. because he must begin beforehand, so that he may have fis hives sufficiently populous and crowded with bees of a suitable ane for honey
rathering. There is only one way to te his, and that is to have a yood, strong olony and use the extractor all the season, and empty the honey as fast as the bees
gather any to spare. There is no dodes
 of strong colonies starving. This seasou
has been particularly unfavoralle in my

FARMER'S ADVOCATE
ocality, and we have had populous stocks
that for weeks would not have more than a wine glass full of honey in the hive beyond after several years' constant use of the months of honey harvest from natural sources during the year. Our spring honey arvest commences the first wee in June The height of the season is from the 1onl to the 20th of May. Good colonies, in avorable localities and seasons, onght to gather from 50 to 75 pounds of honey per
week at this time, while during the first week in June they will not gather more than 10 ounces; and after this they will not gather more each day than they wil when the fall flowers begin to blcom, and nur fall honey harvest commencts. The fall harvest can be safely set down about half that of the early harvest. It commences with the blossoming of the Therte are several species of wild Aster that commence to bloom after this, besides boneset ; and listly

> "The Po.en cluster bees Search for the honey lees

That linger in the last flowers of September. And pre-eminent among these stands side, and covers field and hill with a flam ing mantle of autumnal beauty
This fall honey has a beautiful yolden color, but has a peculiar, sharp, bitter thavor, which is, however, easily removed by boillicious. There is another peculiarity about fall honey. It has a disposition to "sugar ing in large round crystals, and in this state resembles sugar more than honey.W. C., in Field ind Fuctory.

## for beginners with bees

writer in The Muil offers this trio of thisg or any other branch of rural industry. Be content with small beginnings, and take time to gather experience. Commence with one stock of bees, and before you buy even one, get some recent treatise on
keeping, and post yourself, at least in regard to the outlines of apiarian science. 2. Begin with a movable frame hive of some sort. Bees have been kept advantageously, hives ; but to attain the best results, a movable frame hive is necessary. This kind of hive admits of access to the bees, control over them, and from one season's
observations in such a hive more may be learned about bees than by keeping them 20 years in a straw or box hive. A single stock in such a hive will cost about $\$ 10$, inclusive of patent right, and surely this
is not an investment, to begin with, that need frighten anybody. 3. Do not expect need fre or wonderful profits, nor be dis-
sudden or
couraced by reverses. There is no specucouraced by reverses. There is no speculation in bee-keeping, any more than in
any other branch of rural economy. Here as elsewhere, diligence, care, energy and perseverance are essential to succers.

| workine of besewai: <br> The old-time practice of the wholesale des truction of a colony of bees when theli,ney was to be taken, has been it is poor ceonomy to kill the goose which lays the yolden egs; and the wholesale destruction be it is largely economical to to other hives to help yourl there will to be made into wax, and it is well to to make the most of it. A pound of pound of bleached wax is worth in twice as much When maple sugar the pears in the early spring, you will see it sold neat little cakes at the rate of 7 Jc . to $\$ 1$ pound, when the price in the lump is ${ }^{\text {with beeswax ; take a parcel of salt-cellars }}$ cast little cakes of wax, sixty to the pound, sell these at 5 c . a-piece. Before casting the cakes of wax, prepare a lot of silk ribbon loops, which will serve to hang the cake of wax by, and as the wax is poured into the moulds lay |
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(0)rbard and forest.

## desirable qualities in fruit trees.

 During the next few months a gnodnumber of our readers will send orders for fruit trees to some of our North western urseries; very many more will be visited
by the agents of these or other nurseries and will give to them their orders. In Qiving these orders it is especially important that the purchaser should know what he wail get what he orders.

$$
\begin{aligned}
& \text { will get what he orders. } \\
& \text { We have repeatedly }
\end{aligned}
$$

reference for the plan expressed ou the nearest well established and reputable nursery, where the stock wanted can be
obtained at reasonable rates. The man who orders trees through an agent of whom he knows nothing, claiming to represent a aursery equally unknown to the buyer a well selected list through an agent whom he knows to be trustworthy and to represent a nursery of established good reputation, he does a much wiser thing than if ho failed to get needed trees in any way.
Having in some way obtained assurance that he can get what he orders it i decidedly important th
known what is wanted.
Trees are planted that
Trees are planted that they may grow
hence Hardeness is the first requiusite in hence Hardeness is the first reqiusite in a
fruit tree for the Northwest, for we ${ }^{\text {knnow }}$ that many varieties will not thrive here and that few can certaiuly be depended on
But we plant our orchards not for the sake of the trees, but for their fruit: hence of the tree stand suveral questions as to the fruit, and of nearly equal inportance relative importance depends somewhat upon whether the orders are given for commercial or home supply orchard. I for the latter we wonld place first thil
Quality of the fruit. For his own use all other good characteristics will not make amends for poor quality. If an apple is not fit
value;
worthless. worthless.
Next to
Next to Quality comes Quantity, and Carly bearing, anuual bearing, long and Hartinued fruit ulness of the tree, etc. hardaness of the tree, scarcely less important question remains the season of the fruit. And in this many ruit-growers in the Northwest have marly rees and a gooll supply of fruit they have to often paid little attention to the season of the fruit; already in a good fruit year in Wisconsin.
No one wants a home orchard filled only vith summer and fali varieties. 'These are desirabld be long keeping winter sorts: bearing in mind that mere long keeping
will not atonc for worthless character of the fruit.
For such an orchand there should be such a division of variet ies that there may
be a supply of fruit throughout the year For a commercial orchard, but few varieties are needed, and those should be for Wisconsin orchards, maiuly of winter varieties, for lit is impossible thus far
Vorth to compete in the leading markets with the very earliest apples of further South, and from the exe"ss of the home supply orchards, the demand for fall and
early winter apples will be partly supplied.

Whether for
practical truth that fruit trees differ in the quality and quantity of fertiizing material
necessary for their nourishment. Almos

## (19000) afifealty.

HEATING SICK Rooms.
Where the entire dwelling is heated by furnace or by steam, it will probably bo ing the sick room ; but the fireplace should be always open, and kept ready for a wood or coal fire whenever the patient shall
express a desire for one. The fireplaces are expellant ventilating flues even without a fire, but are nearly perfect when supplied with a wood fire, the brisk blaze of which reates a strony ascending current, and exhalations of the sick room.
If there is no fireplace, a window opened short distance from the bottom, in the room in which the patient is lying, and arge room, with the doors opened between the two, will form an effectual draught during any but the warm days of summer, and will not be too strong for the most its direct draught by the high head board of the bed. In cold weather the window opened from the botlom will be found sufficient. Un very cold days we may
trust to an entire change of air several times each day, affected by raising all the windows for a few moments at a time, during which the patient must be
thoroughly protected by extra blaukets, and a shawl about the heid. If stoves are the only means of heating
the apartments, a perpetual burner the apartments, a "perpetual burner"
(coal) may be used in "e room to keep (coal) may be used in ".te room to keep
both at an even temperature, during day both at an even temperatare, drom should be provided with is wood stove ; the brisk blaze in this anserwing to some extent
the purpose of a fire in an open fireplace. the purpose of a fire in an open fireplate.
Many Iives have been cut sthort by exaggerated notinns ia regard to fresh air
Air must be pure, but it should also b fresh. To aff ct this there should be, day and night, a steady but gentle heat, in the
room of an iuvalid, accompanied by an roon of an ivalin, accompanied by as
equally steady and gentle current of fresh
air- IIome and Society, in Scribner's. Accorling to the Pall Accorling to the Pall IFall Gazette, the absinthe have come to be used by the French is a notable instance of the so-call ed "regenerating" results of war. Except
to medical men, absinthe was uuknown rior to the Algerian expedition in the reign of Louis Philippe ; but when the soldiers were at Constintine and Oran,
and suffering greatly from fever, the docturs and suffering greatly from fever, the doctur ed with their wine, as it was much cheaper than quinine. During the entire campaign, therefore, the soldiers drank this mixture, and alterwards retained the custom, which
first appeared in France at Marseiles, whence it rapidly spread through the SALT-rts efrect on the blood.
Dr. Stevens, a French physician, saw a butcher, killing a pig. He observed that a handful of cominon Ealt to it while stirring, which immediately made it crimson, and the stirring leing discontinued, remained fluid. The ethange of colour
a wakened his curiosity. The butcher could give no explanation of the phenomena, expoiling. Dr. Stevens seized a vessel, caught some blood, and made several
experiments by putting salt into it, and experiments by putting sald wasinstantly
found that the blackest blood wind changed to a bright vermilion by salt. "hane, to a hat," "here is a fact that may
"And to a pactical rute." He had observed,
lead lead to a pactical rute. He hat obsoryen,
in cases of yellow fever in the army, that in cases of yellow fever in the army, flaid,
the blood drawn was very black and flum
and, on adding salt, it became vernilion and, on adiung salt, it became vermilions
and retained its freshness, whereas, putridity of the blood is one of the charac-
teristics of yellow fever. He therefore teristics of yellow fever. He therefore
alandoned the usual mode of treating it,
and gave his patients a misture of various and gave his patients a mix ture of various salts, and in a short time reduced the
mortality of fever in the West Indies from nortality of fever in the
one in five to one in fifty

Since attent the subject, case
thbe to the use able to the use
taining lead, are taining lead, are
A case of this A case onedical mistaken for mistaken anh
treated as such Paralysis of th
fingers and the coming on, the was seen, and
the free use of large proportiou instance, no in Discontinuance a resort
a cure.

CURE
In a recen In a recent
the English ho atteuding ph
anti-opium "anti-opium posed of ext
gentian, camp ginger and o
and syrup to powder to for
of these pill of these pill
habit, and in giving up the giving up been opium in son
the ashes of consequently difficult to medicine as

FARMER'S ADVOCATE

LEAD POISONING.
Since attention lias been directed to
So subject, cases of lead poisoning, tracethe subject, cases of lead poisoning, tracetaining lead, are found to be very frequent. A case of this sort mistakeu for muscular rheunatism, and treated as such with but slighit amendment
Paralysis of the extensor muscles of the
俍 Paralysis of the extensor masches of than",
pingers and the hands, with "wrist trop coming on, the true nature of the affection
was seen, and its. cause readly found in was seen, a of a hair renewer containing a
the free use
large proportiou of sugar of lead. In this large prepo no lines were seen upon the gums instance,
but attacks of colic had been quite frequent Discontinuance of the hair-dressing, aud a resure.
cure for The opium habit. In a recent report on the condition of
the English hospital at Pekin, China, the atteuding physician gives a formula for
"anti-opium pills." This remedy is com-"anti-opium pils. of henbane, extract of gentian, camphor, quinine, cayeune perper, ginger and ciunamon, with castile soap and syrup to form the mass, and icorice of these pills in overcoming the opium of these pilis preventing the suffering on giving up the use of that poison, is statel to have been proved in numerous case. opium in some form, and mnst frequently the ashes of opium already smoked, and consequently are inefficacious,--it being as
difficult to discontinue the use of the nedicine as of the drug itselt

Heterimary.



Stock and Bairy.
Sock amo Bairy.

## To the Editor of the Time

Sole-Foot and mouth disease has pread
so rapidiy and cused such heary lasses this
seasin as to cause alarm amons the owners of stock.
Yoin have of late devoted so much space to
the discus sion of the disease, that I venture the aisccussion of the disease, that I venture
to aldress to you a fevo observations on the
sul.jec. One of ny objects is to fix attention on the circumstance, that while tix it a denmition
nin ail hunds hat this malady iuficts nouls losi ou the acrincultural interests of the the
country, no well directed effiort is made to country, no well directed efiout is made th
investigate the laws by which is is propagated One of the leading agricultural anthorities has just propounded the notion that if foot
and mouth disease wera "stanped out" it
would soon break out azain. Ny would soon break out again. My orninde-
yendent observations induce me to say that
this view of the case is not tenable. As it is this view of the case is not tenable. As is is
ent-rtained by many persous, and as a per-
istentagitation, ca'culat to deceive alike the nt-rtained by many persois, and as a per-
istentagitation, ca'culat to doceeive alike the
, wuers of stock and the public, is based upo (wners of strck and the public, is based upon
is, I wish briefly to state the ground on which Iny opinion is fuunded. In, the first place, it is an indigenous disease, that it was imported
from the continent of Europe into the south of lrelaud, whenece it passed into "ngltud ; and that it has never since been "stamped out,",
I am aware there are men who hold the opinion hat the disease is capable of being develuped
in these islands spontaneously. This opinion in these islands spontaneously. This opinion
does not accord with careful observation. I does not accord Ireland in which it has never
know districts in Inese hapen to be the very
appeared, and these appeared, and these happen to be the very
paces where cattle receive the worst treatnent paces where cattue receive the worst treatnent
and where it would be most liable to be pro-
隹 duced if capable of spontaneons generation.
Now, the disease being of foreign origin and not capable of spontaneous generation,
manifest that if we could place such rest ic
ions on maniest hat if we cont op pace such restric
ions on our cattle trade for a limited period a
would stamp out the disease, it would not and Would stamp out hae disease, it would not and
could not appear again undess imported afre..1.
It is well known that the cattle plague restric. His well known that the eattle plague restric.
tions checked this disease. Had the conntry been compelled to continue these restriction
muc') longer, foot and moith disease would lave disippeared altogether. 12 -mpanpose those
restrictions to-morrow, and youl wil effectually "stanp out" this disease

## Many persons, while igreeing, with me thu far, would ad I that, as the re-importation


 rid of after each re-imprytation only by
re-imposition of these restrictions.
I nultst adnuit, in common with all person
 pletely puzzled mee. But recent observations
and experimeits, midertaken especially in the lhope of hirowidy ion the to understand what
disease, have enabled
used to appear mysterious. I slall cite an used to appear mysterious. I shall cite an illustrationi, The notion is very geneally
entertained that the disease is carried froutl entertanean through the air. I shall briefly
farn to farn ther
state a fer facts which show that if carried at state a few facts which show that if carried at
all in the air, tho range of its power of


 $\pm=2$




and two calves. These aniumals grazed in a
field which is within 28 yards of the fifld in
wich which the disease broke out, and wititin 70
yards of the shed used as an hospital, yet none fthese got the dis sase. Last yearalalo 1 had the dis disease at Glasnevin a cow bounht at the fair of Drogheda, where he cane into c ontact with diseased animals. On dijigent enquiry I was able to trace th transmission of the infection to the use of a
bucket taken by a thoughtless boy from th diseased to the Lieall hy cattle.
These facts show the value vell as the importance of preventing th novement of cat:le durinc the prevalcnce of
not and mouth di with regard to that insidious plague pleuropoeumonia. Many stockowners are ignorant
of the nature of the infection, and do not inderstand the ad cuntage of inposing restric-
:ons on the movemont of cittle way of overcoming their prejudices, and arriving at a knowledye of the priucip'es
which legislation on these infectious diseases uquht to be governed, is by instituting a rigid
nquiry into the mode by which they are nquiry into the mide by which they are
propagated, if the initiative were taken by any central competent body. such as the Roval
Agricultural Society. I fully believe the Aanded ge:try and farmers would contribute assured that the stockowners of Ireland, who
are a wealthy class, and suffer from infectious diseases an annual loss equal to the whole of the local taxation of their country, would no efiort to serve them.
en toming

I remain, Sir, your obedient servant,
Themas Baddwis
Albert Model Farn, G'asnevin,
Dubin, Aug., 1872.

## fattening animals.

Record is made in the Popular Science eese, ducks, pigs, bees, \&e., and which o to prove that these creatures accumulat by the quantity present in the food. M. Flourens had the bears in the Jardin des
Plantes fed exclusively on hread, and they Plantes fed exclusively on bread, and they
hecame excessively fat. Bees confined to a diet of purified sugar continue to produce wax, which strictly belongs to the group xxessive use of non-nitrogenous food, to the deposit of an inordinate amount of
oleaginous matter. This fart is illustratei hy numerous instances looth among the ower animals and among men. At Stras
bourg the geese are fattened by shutting them up in darkened coops within a heated room, and stutfing them constantly with scape of the lieat, and thus favors the process. Here all the conditions for nsuring olessity are resorted to, viz., exter
nal heat, ohscurity, inactivity, aud the
crumning of the animals with fattening ruol. A still greater refinement for pander ing to the appectite is resorted to by tho Talans, who relish the fat of the orthlan.
To procure this in perfection the natural having of the found that it only takes food at the rising of the sun, they cheat the
hirds by Tirds by profucine an artificial sunrise
To afteet this, the ortulaus are phacel in :
darl., warm chamber which has but one dark, warm in th; wall. Fooll being scattere aperature inor, a lantern being placed at cerrain hour in the opening, when th
birds, misled by the diun light, at onc hirds, misled by the dium light, at onco
commence feeding. The meal finished
che the lantern is withdrawn, and more food Two or three hours having elapsed, and digestion beiug completed, the lantern is again made to throw its light into the
apartment. The rising sun recalls the

$$
\begin{aligned}
& \text { hirds to the habit of again feeding, and } \\
& \text { they acainsleep with returning darknes, } \\
& \text { This process is repented several times in }
\end{aligned}
$$

$$
\begin{aligned}
& \text { This process is repented several times in } \\
& \text { the twenty four hours, and in a very short }
\end{aligned}
$$

fat, which ortan becomes literally a ball $\begin{array}{ll}\text { the disease, and it has already disappeared. } & \text { fat, which strung on a } \\ \text { ( } \mathrm{n} \text { the } 25 \text { acre farm there are ten milch cows } \\ \text { make an excellent lamp. }\end{array}$

It will interist nany farmers to leara how
he dealers classify und describe hides, and Fill ai least enabe them better to coupreften to form a nuve in!elligent opinion of the value of the hides they sell from time to tinie. They are ch.ssstiod as follows
nst as they cones from the animal, never havch. beant sited
 . Grean asted aro thass that have been
 wenty days, acoeridian to thie dickeness of tho

 "pry liutisa"
biry alted is a thorouzhly dry lide, havgiven sited whlut preiel and sinin, thoso




 weighed, ad stion is made from the weight,
proper deduction
and when the head skin hangs to the hide by a and when the head skin hangs to the hide by a
narrow strip, it is cut off before weigh-
nar. All bull, stag, tainted, cut, badly scarred, grubby (having more than four grub holes.-
Ed.) or nurrain hides are called damaged, and Ed. or murrain hides are called damaged, and
go at two-thirds price, unless they are very
badly damaged, whed they are classed as glue stock, at a much lower price,
"A deduction of ten per cent. is made on all branded hides.
"In dry hides there are other kinds of damhed, such as moth-eaten. sun-burnt or we
ther beaten. It is generally conceded by farmers and
hide dealers that over one-third of the value all the hides taken off in the Northwest is
lust by carelens skinning and curing. "As a laree. proportion of the hides received
are green salted, the price that they bring, as are green saited, the price that they bring, as
rule, is made the standard for the price of rule, is made the standard for
all other kinds."-Prairie Farmer.
the best "crosses" for felding. A correspondent asks us "what cross of pure-bred sivine we would recommend, to the matter of cattle, the raising of thoroughreds for beef cannot, in general cases, be
recommended, because they are worth so much more for breeding purposes, and
grade aninals can be the most profitably provided.
But in the case of swine, the thorough-
red swine can be procured at such moderate expense, and are, withal, so exceedingly prolific, that we do not see why the thoroughbreds cannot be raised for pork
to the exclusion of everything else. If the farmer requires a large sized hog, or the farmer requires a onge sized hog, or
if henly desires. one which will only attain moderate weights, he can certainl
find thoroughbred varioties of swine which find thoroughbred varieties of swine which
will suite his taste in this respect. And in the natter of early maturity and fatten ing properties, we do not see what he ca gaiu by crossing two breeds with eac other.
We thoroughbreds for pork, will have one advantage over the farmer who breed rrosses or grades. The thoroughbreds ar at the same age, quantity of bone, and tencral confornation and appearance, but,
what is of greater importance, in thoir wropensity to fatten.
he fattening pen, the them are plared in progress and thrive evenly on the sann.
profer keep, and be ready for market at the samo
time, than any pen of crosses, grades natives which the farmer can select. And this is an important matter. For when a part of a pen of hogs are ready for market in advance of he oter nothing, but con-
over, gaining little or
suming corn daily, waiting for the othern
to reach a marketable condition, there is a very serious loss of corn, besides the ris which is entailed upon the farme a contrary policy, and cross two differen breeds to obtain their fattening stock And for the information of our correspondent, we would ask some of these gentle
men to inform us of the advantages which they secure by crossing, and what particular crosses theyo have found the most
best feed for mileh cows. The following is from an Essay read before the Vermont Darymen's Association. uality and quantity of the milk is the food. The luxuriant and succulent grass of June produces a great flow of milk, but the per cen Take a cow from a green pasture and feed'he Take a cow from a green pasture and feed he
on dry hay, and the quantity of milk will be
reaty dlminished while the quality may he greatly dlminished, while the quality may b
improved. Everything a cow eats affects her mproved. Everything a cow eats affects he
milk directly. We have great faith i cabbages as producing an abundance of rich
milk, but unfortunately, the lady who preside milk, but unfortunately, the lady who presides
over our household has keen senses, and over our household has keen senses, and
detects in the milk the least flavor of cabbage or turnip. We have sometimes evaded at first and immediately after milking, but
the increased quantity and quality of the milk, if not the taste, are apt to call out the sly question, "What are you feeding your
cows on now ?" Sweet corn fodder, we are
confent confident, gives a rlcher tailk than common
corn. Indian meal, all farmers agree, gives
per cent of water more rapidly than it does
the more the more valuahle properties. Clover, cut
green, greatly improves the quality of milk. green, greatly improves the quality of milk.
Being a leguminous plant it shold add to
it its casein rather than to its butcr. Pea viues, also leguminnus, are extensively
used at the soum, where the grasses do not used at the soull, where the grasses do not
flouish, as foud tor cows, and are said to produce excellent milk There can be no question but that gran ant bef,re it goes to seed will produce more and better milk that
aiter all its vartues hava been spent in their legitimate purpose of producing seed after its kind. If the hay has been made from grass
as dry and woody as oat straw, it may be asd dry and woody as oat straw, it nay be
benefited by beiug cut and moistened, buitcan never be restored 10 its original nutrition any more than the daughters of Tobiss conld
rejuvenate their aged father by cutting him up and boiling him.
All the roats add to the fl)w of milk and
improve its quality. They furnish both food improve its quality. They furnish both food and drink, beiug lar rely composed of water
The feedi g of roots do not sive as much hay as some suppose. They keep the animal in good health and appetite, and are valuanle in neir sanitary and wanurial effects rather than
as an economezer of hay. The increase of milk and manure is very manifest from the feeding of roots. Potatoes wake the best of
milk, but at present prices we can hardly milk, but at present prices we can hardly
affurd to feed those of a merchantable size anid quality. The small potatoes can be put to
no better use thau food for young stock and no better use thau food for young stock and
milch co ss. They furuith more saline natter thus adding to the specific gravity of milk and to the inaterial for buildius up the frame-
work of the young animal. As an observing work of the young animal. As an observing
dairywomen once said to us, "potatoes give dairy women on
bo dy to milk."

It is cruel to tax cows in winter for milk
and give them nothing but dry hay from and give them nothing but dry hay from turity, this hay contains all the elements o milk, hut iv is dry fodder, and if it constitute
the only food of the cow day after day. for
six months, there is a sameness ahout it which six months, there is a sameness ahout it wl men crave and need a variety of food, so d
cows. A few beets, or turnips, or carrot cows. A few beets, or turniips, or carrots
should be fed to them each day, and the sleek eoats of the aniinals and the improved Inantity and quality of their milk will indicate
their appreciation of these roots. One of the heir appreciation of these roots. One of the
best and most economical kinds of feed for cows both in summer anil winter, it is the bran bran
of wheat and dye. The inorganic part fo brain of wheat and rye. The inorganic part fo grain
resides chiefly in the husk or bran, as may be seen by burning similar or bantities of fine
flour and bran. The flour and bran. The ash of the latter, will, on
the average, be six times that of the former the average, be six times that of the former
tha ash of dry, fine flour being about one per cent and that of bran six per cent of the weight of the whole. Bran, therefore, though
dry-looking sort of fodder, is rich in those elemients which form the frrmework of animals and Dr. Gralam was doubtless correct when Hour. Many dairymen practise putting couple of quarts of wheat bran into six or cows night and morning thereby it to their their milk, their cows and their pastures The improvement of the latter is specially
manifest, as the pran restores to them the plosphorous. sulplier, petast, lime, soda, etc. which our old pastures have become exgood soil having been carried off in the bones
of the animals and the grain and dairy products of the
sold.


ALDERNEY BULL AND COW
tie public and the milikman.

The $T$ Trish Fromerss' Gazette fives excellent reasons tor think ines that the time has come
when mien the peripteteie mikman siould be










 Colik fresh trom the cow, cannot bo blat in in


 liowll patronise the dairy round the ocrner, with
 insanitary conditions of which produce a
mortality among the miich cows of fifteen or mortality among the miich cows of fifteen or
twenty per cent. per annum? The answer is
 have not readntion to turn over a new leat
 we have got the established dairyman on our
back, and some invisible power prevents us
shaking hin off shaking him off. We look at the little tins in plunge of ordering half-a-dozen h hme, and
water man. The change, in fact, is a little waler man. The change, in fact, is a little
evolntion our housekeeping, and we ar
It, no matter how radical we may be in our no matter how radical we may be in ou Every domestic innuvation, no matter how was so with lucifer matches, wite kitchen nges, with gas, with ventiastors. with sewer
aps. It is son ww with milk. It is prover ever anything was proved, that prare mill bits natural form, cannot be permanently adulterate is two string for human nature $t$ btained pure, or only seasoned with a little harmless sugar. in tin cases. Further is i proved that the lattor is cheaper e
considerably watered-down article.
fattino pins.
Pork is
even bushels of corn should produce a hundre pounds of pork, or if the pigs are running in cod clover pasture, three or four bunhels a
orn in addtion to the clover should them a hund'el pounds in live weight. It it a great mistake not to give fattening pigs hearly or quite all the corn they will
this se son while running in pasture In England there are ahout 40 0000 acres young oaks and other growing timber plante of which 10.000 were phated last year the trees thus planted for navy purposes, hone of them have attained much more than the thinning necessary to make room for the ultimate crop
larre incone.
Look over t $\left.\begin{aligned} & \text { plunge of ordering half-a-dozen h meme, and flarge income. } \\ & \text { countermanding the visits of the milk-and- } \\ & \text { Look over the country, and it will be found }\end{aligned} \right\rvert\, \begin{gathered}\text { A correspondent of the St. John Telegraph, }\end{gathered}$
that at the very least two-thirds of our intel-
igent, energetic farmers are well-to.dr in this
wos'dds gonds, that is, their furms ore free wos'd's gonds, that is, their farms are free
rom all incumbrances; they have money in bank; they have the best of horses mand cattle
on their ulaces; their bern and on their places; their barns and granaries are
well stocked; and generily they yre in mos well stocked; and genera ly they are in most
comfortablecircumstances. Now these farmers are not moere f.rtunate than others, but they are more wide-awake; they never permit an
opportunity to make a bargain pass mnimopportunity to make a bargain pass nuim-
proved, and instead of loafing continually at
the blucksmith's sie the blicksmith's shop, or the cross roads
groceries, they are on their fars either groceries, they are on their farms, either
superiutending improvements, directing the siperiutending improvements, directing the t. keep themselves well informed conderning
the changes in the markets or the condition of the changes in th
affairs generally.
affairs generally.
Take now, for instance, our merchants and Hocers now, for instance, our merchants and
and and after closely examinen in other pursuits, and after closely examising into the condition
of their affairs, it will be tound that a clear percentage will be in favor on the industrious
well-informed farmer well-informed farmer. There is a feverishlusess
about " bills payable" and an anxiety how to replenish shltocks wayabe," and an anxiety how to
renther increasing the indebtedness with the farmer. True, the reckless inuprovident farmer may
have theldsame anxieties hit, we repeat, that have the fisame anxieties hut, we repeat, that
anong the systematic, active, wide-a wake
farners farmers, such trouhles are not so common. Now this is a general dissertation, and indi-
vidual instances may be brought to refute our conclusions, nut we are speaking generally, and we finish witt, the expression of our
opinion that intelligent farming does pey. $\frac{\text { pinion that intelligent farminy doe }}{\text { RIver }}$ writes that the cormpany who have undertaken
to connstruct a railway from Fredericktan. .N.
13. to River du Loup, on the border of the



A writer in the Independents sat an the condition a product depends largely article when brought into appearance of the thence of the uyer. The exterinal appearance of a farmer's
airy of butter or chepse has much to the pr:ce it hrines. B'gs of grain, barrels of ruit and vegetables if outwardly fresh and
rlean, make a favorable inprest clean, make a fovorable impression on the
buyer; and other things heing equal, they bring the highest prices. The value of poultry s oten diminished one-half by the poultry
untidy manner in which it is sent to market, and so with a varie'y of other farm products. In-
attention to little things and carele ssness as
time and nanner ? time and manner of sending them often profit.

## The Alderneys.

The distinguishing quality for which the
Alderney is prizod, is the marked richnss, Aderney is priz?d, is the marked richnss, and
deep yellow colnr of her milk; yet it is modrate in quantity-eight to twelve quarts'a dey being a goond yield in the height of her season -but that, wonderfully rich in cream and ad for many years kept quite a herd of them on his farm for dairy purposos, a few years ince told ns that he sent much of his bitter
o private families in Boston. where he obtained about double the price of ghod com onbutter, and that one-half or even less of AI-
derney milk, mixed with that of the common ow, gavee at a collir nearly qual to to that of the
pure breed. We have had like accounts from ure breed. We have
thers who kept then
dependent says: The
roduct depends largel nd appearance of the
nd
no po the presence of the
pearance of a farmer's
se has much to do with gs of grain, barrels of
f outwardly fresh and
ble impression on the ble impression on the
gis heing equal, they gs he ng equal, they
The value of poultry
ne-half by the untidy ent to market, and so s and carele ssness as
of sending them otten of sending them often
realized below a living
lerneys.
quality for which the
ne marked richnsss, and ne marked richnsss, and
r milk; yet it is mod-
$t$ to twelve quarts'a dey to height of her seacon y rich in cream and
in New England, who
to quite a herd of them it quite a herd of them
purposss. a fer years purposos a fer years
ont much of his butter
Boston. where be
Boston. Where he ob-
e price of gyod com 'inn
alf or even less of $A$ -
alf or even less of AI-
hhat of the common
riy tqual to that of the h that of the common
rly tual to that of the
had like accounts from
y who have undertaken
y frem Frederickta N , on the border of the are making good pro-
fifteen miles of the line
oers and rails and it is mirs and rails, and it is
miles will be in running
v falls. For ten miles falls. For ten miles
re line keepsp close along
er. As it proceds it
it he experiment of hring-
0 work upon the railway of them soon broke their mployment.


Originated by Isaac, Vau Winkle, of
Greenville, New Jersey, "The building is nearly seventy-five
feet long, thirteen feet high and twelve feet wide. It is built of wood, roof roof it is thirteen feet. The elevation in front is four feet, which cuts a twelve foot board into ithree pieces, the length feet-just the length of one board, saving a few inches of a ragged end; the pitch
of the rear roof is six feet, and the height of the rear roof is six feet, and the height
of the building from the ground to the base of the roof is just six feet, which cuts a twelve foot board into two piecesThe ground plan and frame-work are planned on the same principles of economy
of timber. By this plan no timber is wasted, as it all cuts out clean; there is also a great saving of labour. The foun-
dation of the building rests on cedar pests set four feet into the ground, to prevent spring. These are regarded very much better than brick or stone piers, This
house contains eight pens, each of which house contains eight pens, each of which
will accommodate from twenty-five to will accommodate from twenty-five to
thirty fowls; each then is nine feet long and eight feet wide. All the pens are
divided off by wire partitions of one inch mesh. Each pen has a glass window on the southern front of the house, extending
from the gutter to within one foot of the apex of the roof, fixed in permanently with French glass lapping over each other, after the fashon of hot bed sashes; they
are about eleven by three feet. are about eleven oy three feet. Each pen from the hallway, which is three feen
wide ; and these doors are carefully fastenThe brass paalocks.
The house is pu together with match ffilled in with white lead and then driven together, sn as to make the joints imper. vious to cold © $\mathbf{r}$ wet. On the rear side of ilators, two by two feet placed equidistant from each other, and to these are attached iron rods which fit into a slide with a screw, so that they can be raised to any hight every morning to let off the foul air Each pen has a ventilator besides the trap
door at the bottom, same size, which communicates with the pens and runs, These lower ventilators are only used in
verythot waether, to allow a free circulation through the building, and in summer each pen is shaded from the extreme ray: of the sun by thick shades fastened upon
the insile, so that the inside of the house is cooler than the outside.
The dropping boards extend the whole width of the pen, and are about two fee
wide and sixteen inches from the floor wide and sixteen inches from the floor and over this board. They are three inches wide and crescent-shaped, on top
so that the fowls can resr a considerable so that the fowls can resr a considerable
part of their budys on the perches. Unde these dropping boards are the nest boxes, where the towls lay, and are siader and secluded.
troughs are made of galvanized iron, and can be easily removed when they require cleaning. One can stand at one end of this long house and see all the chicken on their roosts. By seeing eamin other in
this way thefowls are made companionable this way the fowls are made companionable,
and are saved many a ferocious fight ; at the same time each kind is kept seperated from the other. Each pen has a run
thirty-three by twelve and fifteen feet ; these runs are seperated by wire fences twelve feet high, with meshes of two inches. Outside of these small runs is a large run of half an acre, and on the rear
are other runs of about an acre, all of grass, so that tour or in these large runs,
out at large at a time in
and into which they are [all led out by
turns. $\begin{gathered}\text { the scarcity of farm labour } \\ \text { Farm work is suffering for lack of su }\end{gathered}$ The house is surrounded with a drain $\begin{gathered}\text { Farm work is suffering for lack of suffi- } \\ \text { cient labourers. Not only is this true of }\end{gathered}$ which carries off all the water and moisture, Western New York, but of New England and prevents dampness. Inside, the house and the West. In Canada there are also s cemented all through ; and these cement-
ed fimilar complaints. Our correspondence
ed are covered with gravel about
tells the samestory from everylocality farm two inches deep. The house is heated in labour is scarce and wageshigh. Naturally the cold weather just enough to keep we ask, in common with other farmers, why water from freezing, as Mr. Van Winkle
is opposed to much artificial heat, and to is opposed to much.
forcing fowls to lay. At the north end is a small house or shed to protect the hens rom the north winds, and the entrance
s.by the south, through the shed which is used to keep his food close at hand. or itssimplieity and hygienic arrangement. The cost of the laboa and material was is cleaned out every day. We were there in the hottest of last summer weather, and it smelled just as sweet as outside ; we could not di"

Poultry Nomenclature. For the benefit of tho are not posted in the cechicalties of poultry
breeding, we insert an
illustration showing the different parts of a fowl Which are referred to 111 nice, and by writers
poontry Pouttry
breeders will find it of great practical ad anantage
to comnit this to mem-
$\qquad$
A Comb
B
Face
Facc,
Ear Lobe,
Wattles,
Hackle
Wing Bow
Breast,
H Wing Coverts,
Wing Primaries,
Hock,
Fluff,
Thioph,
Leg,
Tail,
Sickle Fea'hers

## Agricultural Items.

Value of Fruit-As an instance of the great profits arising from the growing or
fruit, it is stated that thirty trees wer planted, standing twelve feet apart, on gan, and that this year sixty bushels of plums were gathered from them, of Cana dian Egg and Carr's Golden Drop varie ties, and $\$ 4$ a
ceived for them. $\qquad$
Muke Note of it.-Keeping a diary is a
tronblesome business, but keeping a small
tronblesome business, but keeping a small
blank book always in your side pocket blank book always in your side pocket
with a pencil in it, is easy enough. In his book aman should set down every important item of business which is ne-
eessary to be looked after. For example such needed repairs about the farm, gar den, orchard, dwelling, harn and other
ut-dor affairs. A Aain, he may often out-door aftairs. A, sain, he may oten themselves to the mind, and which they Would like to put in due form at soum
ther time. A gond plan is to make notes of these in a memorandum book, wheuever and wherever the thought may suggest it self. Besides the e things such a book seful as a remository for message given one to another, or thouglits as they occur of such matters of business as one may desire, at some
other time and place to look into.-Kural New Yorker
predict that nations, far from improving
will deteriorateboth in Will deteriorate both in physical and menta pal article of diet. The celebrated Cari-
Voight says that "ther Voight says that " the unnourishing potat
does not restore the wasted tise does not restore the wasted tissues, but
makes our proletariats physically and men tally weak." iThe Holland physiologist Mulder, gives the same judgment when he declared that "the excessive use of pota toes among the poorer classes, and coffee
and tea by the higher ranks, is the cause of andolence of nations." Liedenfrost main tains that the revolutions of the last three centuries have been caused by the changed workman ate more flesh than now, whe the cheap potato forms his principal sub sistence, but gives to him no muscular o nervous strength.
and the Wretched Far
The Excellent and he mer.-The one sells sall his corn and grain,
or, should he feed some hogs, they lie in or, should he feed some hogs,
the woods where the manuris lost among the woods where the manureis iss among
the trees; or is washed away down a stream of water. He crops year after year, re--
turning no equivalent for the fertility turning no equivalent for the fertility
drawn from the soil on which his crops drawn from the soil on which his crops
have grown, taking everything possible to have grown, taking everything possible to
market. He saves money and is an excel-
lent man, but from the impoverished state lent man, but from the impoverished state of the land has been a. wretched farmer. condition, and with his provender feeds
cot the animals, till they are first-class meat, gaining an extra price for the meat he bought, as well as for the additional
weight; but there are three sources of profit in this transaction: in the first place the weight bought is worth more by a cent or two per pound for being made fat pays for the food, while the manure made is a third return for the consumption of produce ; and a farmer who contrives in this way to keep up the strength of the farmer. If it is meritorious to make two blades of grass grow where one grew before, what is it to hring so low as only to
grow one blade where two formerly flourgrow one blade where two formerly flour-ished.-Country Gentleman
bave mor matyan and stabia. Forest leaves are excellent to supply the
stahte yards, and where straw is scarce also the cow, stables and hog-pens. They first snow, or at least before the winter blasts have scattered them. They then
lie compactly, and heing moist can be lie compactly, and being moist, can be
handled with greater facility. A cart with a few standards stuck in the sides will a rew standards stuck in the silles will thing to gather them or load then with in
a wooden hand rake; a wooden four-tined straw fork is also very handy when the straw fork is aiso very handy when the
leaves are moist. Leaves absorb large quantities of liquid manure, and are an excellent fertilizer in the spring. They can be gathered, too, when other labour
alout the farm is siack.-A merican Paper.

## eflisctllancous.

The value of Canada as a grain ard pro-
vision producing country to Great Brilain way ve judged from the cargo of the " Luind Cli-
be", recently visited Canada under the auspices of last week with the f,illow ing cargo: 73,124 bushels Indian corn, 37224 Lu thels wheat, 1,
Su5 barrels of flour, 9000 bushels nats, 1999

$\qquad$
Miniva Exploratioss.- The Toronto Mail says :-" We understand that Captain Beck and a company of Allerican Mining captulasts
are about to visit Marmora to explore the mine al caparhitities of the North of Hastings,
which are known to be of more inuportant than they have be en heretof re regarded. We hope to hear of yood resultts from
party on ${ }^{\text {their return trip." }}$


тiraht AIr.
nith extriardinary fallayy is the dread of










pulton nsid $\overline{\text { mis stuanmant. }}$









 theirit trials, and have existed for seven Years, despite the predictions of failure,
doubts of friends, aulu wishes of enemies. The time will soon be here when hundrects tural papers will le issted in our midst.]
brastrord
The Brantford Courier says that an
pple tree, belonging to Mr. John Montgomery, northward of the town, has
blossoned and produced fruit four times this year. The tree is in blossom, The Erponsiter in speakiug of the Blind Institution in Brantford says: Dr. Wiggins work again. There are in attendance 2 : pupils, and 20 more are expected ants and regulations for the pupils are most thorough and eomplete, the buitding beiny so hard
out that one class of residents cannot, by any possibility, annoy or interfere with
those residing in another department. The new building intended for workshops is not yet completed, there having been
considerable delay in the execution of the ments are also not yet perfectecl. Amons other things a supply of sewing machines
is required for the sewing room. The blind girls are said to become very skillfu in the use of sewing machines. A visit to
that they are large and airy, well furnished and convenient. In one class-room was a
map of Ontario for the use of the blind. The counties, etc., were cut in blocks which can be lifted up so as to feel the
shape and boundaries of each. When fitted together they make a plain. level surface, as in an ordinary map. Cities and towns are marked by points like a pins head.
Other provisions for the instruction of these unfortunates were in keeping with those already mentioned. institution cannot but be entertaining to any admirer of neatness and precision
We hope at a future visit to have an opportunity to see the pupils at their studies and recitations.
linserd tea for horses.
We find the following in an agrieultural paper, credited to an exchange. the matter to know that what is said in "Linseed tea is not only
" estorative for sick horses, but valuable ingly useful in cases of inflammation of nespiration and digestion ; it shields and
reculiar to the organs or ubricates the same; tranquilizes the healthy action. We have perscribed linseed tea in largequautities, during the past month, for thorses laboring under the much benefit from it and generally drank it with avidity. Aside from the benefit we derive from the action of mucilage and oil
which the seed contains, its nutritive which the seed contains, its nutritive when given to animals laboring under soreness in the organs of deglutition, which incapacitates from swallowing more solid
food. In the event of an animal beconing prostratel by inability to masticate or prostrate
swallow more food, linseed tea may be cough, the addition of a little honey make may be given to animals laboring under acute or chronic disease of the urinary "To make linseed tea.- put a couple of handsful of the seed into a bucket, and upon it. Cover it up a short time, then add a couple of quart,"
what is dirt
Old D. Cooper, of South Carolina, used to
say to his students, "What is dirt say to his students, idit, young gentlemen.What is dirt? Why, nothing at all offensive
when chemically viewed. Rub a little alkal when chemically viewed. Rub a litle alkal
upon that dity grease sbot upon your coat upon that dity grease sbot upon your coat,
and it undergoes $a$ chenical ch thge and be comes snap ; now rub it with a little water
and it disappears ; it is 14 ther grease, soap water, nor dirt. T Thit is not a very odorou
pile of dirt you observe there ; well, scatter pittle gypsum over it and it is no longer dirt Everything you call dirt is worthy your no
tice as students of chemistry. Analyze it analyze it ! It will all separate into very
clean elements. Dirt makes corn, corn mak ciean elements. Dirt makes corn, corn make
bread and meat, and that makes a very sweet
young lady I saiv one of you kissing lat young lady I saw one of you kissing lat purticularly if she whitened her skin with
chalk or Fuilers earth. There is no telling
young gentlemen, what is dirt. Though I may say that rubbing such stuff upon the
beatuifil skin of a young lady is a dirty prac-
tica. Pearl-powder, I think, is made of bistic. Pearl-powder, I th
muth-nothing but dirt."
death in the pot.
Housekeepers cannot be too cautieus in ex kettle. The Ithaca Leeader learns that a wo 0 c.iblage. The report is that a part of the woinan was siven to a cow, and after eating it effect that a woman in Lansing either died or came near dying from the same poisonous
food. The fact seems to be, that cabain are wormy,
be eaten.

## ight without matches.

 Take an oblong vial of the whitest andcleanest glass ; put in a piece of phosphorous he size of a pea, upon which pour some olive iil, heated to the boiling point, filling the vial hermenecally. To use it, removeve the cork, and
halow the air to enter the val, and that, allow the air to enter the val, and then re-
cork it. The whole empty space in the bottle will then become luminous, and the light obtained will be equal to that of a lamp. As increased by opening the vial and allowing a
inesh supply of air to enter. In Winter it is
frem fresh supply of air to enter. In Winter it is
sometimes necessary to heat the vial between the hands to increase the fluidity of the oil.Thus prepared, the vial may be used six months. This contrivance is now us
watchmen of Paris,-Rural Home.

Fight your own battles. Hoe your own
row. Ask no favors of any one, and you'll succeed five thousand times better than one succeed ivive
who is alwass besecching some one's influence
or patronage. No one will ever help you as you can yourself, because no one will be so
haartily interested in your affairs. The firs step will not be such a long one perhaps, but carving your own way up the nountain you
make one lead te another, and stand firm on that while you chop still another out.
Men who have made fortunes are not those who had hive thousand dollars given them to wrll earned dollar or two. Men who have acquired fame have never been thrust into popu-
larity by puffs begeed or paid for, or given in larity by puffs begged or paid for, or given in
friendly spirit. own bands, and touethed the public heart. Men who win love do their own wooing, and
I never knew a maz fail so signally as one I never knew a man fail so signally as one
who induced his affectionate grandmammat to spoak a word or two for him. Whether you
work for fame, love or money, or for anything Work for fame, love or money, or for anything
else, work with your own hands, and heart else, work with your own hands, and heart
and brain. Say 'I will,' and some day you
Sill will conquer. Never let any man have it to
say, 'I have dragged you up.' Too many say, 'I have dragged you up.' To man
fritends sometimes hurt a man more than non iritends sometimes hurt a
at all.-Grace Greenvood.
substitute for paper haygingas. Paper hangines for walls are known to ev-
erybody. It is now proposed to use hangings erybody. It is now proposed to use hangings
made of metal and an account of this new
invention, which comes to us from Paris, has invention, which comes to us from Paris, ha
been read before the Society of Arts. The been read before the Society of Arts. Th
metal employed is tin-foil, in sheets about six teen feet long, and from thirty to forty inche
wide. The sheets are painted and dried at wide. The sheets are painted and dried at a
high temperature, and are then dccorated with many different patterns, such as foliage, flowers, geometrical figures, initations of wood or or
landscapes. When decorated, the sheets are varnished, and again dried, and are then ready for sale. Tinfoil is in itself naturally tough, and the coats laid upon it in preparing
it for the market increase the toughness. The hanging of these metallic sheets is similar to paper-hanping, except that the wall is varsheet applied thereto. Thus in this way a room or a house may be newly painted, without any smell of paint to annoy or harm the
inmates. Moreover the tinfoil keeps out damp, and as the varnish is a damp-resister, he protection to the room is two-fold. Experience has shown also that cornices, mould
ings and irregular surfaces may be covered
with the tinfoil as readily as a flat surface hence, there is no part of a dwelling-house cr with these new sheets; and, as regards style and finish, all who saw the specimens exhibited at the reading of the paper, were made
aware that the highest artistic effects could aware that the highest artistic effects could
be achieved at pleasure. Science and ArtsChambers' Journal.
Rubber-Factrony. - The Napanee Standard says the constantly increasing demand from
all parts of the country for rubber goods have made it necessary for the Messss Horner, the only manulacturers of such goods in canada,
either to enlarge their present workshops of
remere remove altogether to such other town or cit
where suitable workshops could be found where suitable workshops could be found
The firm has, however, secured additional accommodation in two upper flats of the new
mill erected by Mr that double the hands now employed will be required next spring. The home demand is
generally too large for a supply to be always given. Arrangements have been entered inte
or. opaning a branol of the buainess in
Philadelphia shortly.

## Cotrespipnidente.

## gepina fowl in orchards.

Sir,-I wish you would be so kind as to let
me know through your paper, or by letter, all the infornation you can in regard to keeping hens in an orchard, the dimensions of fence,
house, orchard and other operations, as I purhouse, orchard and other operations, as I pur-
pose arranging for a smal henery of about
one acre of orchard. I find your paper of great valu
Hastings, Nov. 10, 1872.
Reply to Mr. Stevenson:-
The plan you propose to pursue will, wo The plan you propose to pursue will, we
have no doubt, be most beneticial to your or-
chard. Let the orchard be their home. They chard. Let the orchard be their home. Theys
will foraze in it most successfully, finding in it will orace in it most successfully, finding in it
a large proportion of their food, and that, the a large proportion oir wants. They will be of
binctived the theie service in keeping the precinets
incel incalculable service in keeping the precinets
free roum bugs ard the countless host of ma-
rauders that would, if alowed, injure your free from bugs ard the countless host of ma-
rauders that would, if allowed, injure your
beest trees and destroy the choice fruit. By best trees and destroy the choice fruit. By
the neeans preposed you will convert into a the means proposed you wil convert into a
source of profit the enemies you might otter-
wise find it difficult to contend with. They will be the best food for your poultry and they
will pay you well. The prices paid for poultry will pay you well. The prices paid for poultry
and eggs are highly remunerative. You wi
he doably and dogss are paid by the preservation of your your
be ruit and the returns from your poultry yard. It is al ways better that fowls have enough literty, and not be cor osed up is coops. The
need to run about, at least within a proseribe need to run about, at least within a proseribo
area, and to have the privilege freely. Their area, and to have the privilige freely. Their
isstinct teaches them what 18 ood for them.
. They go where they expect food fitting for
them, and the exercise is good for their health. iem; and the exercise sis good for the green food grass or herbs) which is very beneficial for An.
Andi
including
An ordinary picket fence, five feet high-
icluding the base board-will be sufficient around the orchard. As they will flly over it,
will br necessary at first perhaps to shorten will br necessary at first perhaps to shorten ableness of the place. Of these details you
are able to judge.-A 3 'ss E. are able to judge.-As'ss Ed.
mer potato bug.

Sir,-I Ithink I promised you last summer
o let you know in the fall the result of my bservations on the habits of the Colorado Poato Bug. Well, this terror to all lovers of
potatoes (and who does not relish a nice mealy potato) now sleeps in the cold ground, but armers will find to their cost in the spring
that his sleap is not the sleep of death. Long hat severea as our Canadian winters are they will not put an end to his existence; as soon as vegetation commenees in the spring, in
fearfully increased numbers they will be as vigorous as ever.
It is an old an
It is an old and wise maxim that "in the hime of peace we soumd prepare for war. were entirely free from the bug, and they re-
mained so all summer ; not a single hug mained so all summer; not a single bug was
ver seen on them, yet when we dug them this ever seen on them, yet when we dug then this
fall quite a number were foud snugle buriod in the ground. This confirms ne in the
opinion I formed on the subject last spriug opinion I formed on the subject last spriug,
and leads me to believe that their migratory movements are conducted mainly, if not alto gether, in the fall of the year, when the po-
tato vines are beginning to die. Instinct, or tato vines are beginning to die. Instinct, of
the sense of smell teaches them to choose potato ground for their winter quarters, but teach them where the farmers intend to plant teach them wex next season, and it should by n
their potatoes means be in the same ground, excepting a few for a bait.
The mai trated in the potato glound of the past season, and here is my plas, if not for their utter ex termination, at least to give
thinning out next summer :-
Every man that gruws potatoes should plant
his main crop as ladivised in a former com-munication-in an isolated place on his farm. Also plant eariy a small quantity in the potato
ground of this year, and on this groutd you may depend the bugs will lay their eggs in
thousands. Be provided beforehand with a supply uf Paris Green, and, when thus concentrated, pepper them right and left, and
whiie you will be sure to save your whiie you will be sure to save your main crop,
you will confer a benefit on the country at
1 large. that the same opinion has very'sgnerally been
tormed as to the habits of this pest, and also
as to the means to be taken to mitigate the
evil. I remain yours, \&ce, Shanty Bay, Nov. 9th, 1872. P. S.- Enclesed I send you one dollar, the
price of my subscription for your valuable paper. I must apologize for not sending it
before. ${ }^{\text {The }}$ FAKMERS ADvocate is truly what its name inplies, and every man who what its name innplies, and evely man who
tills a rood of ground, or keeps a horse, cow,
pig, bees or poultry, should take it. The Nopig, bees or poultry, should take it. The No-
vember number alone is worth the subscipp-
tion for one year.
M. H. [It is said that
destroyer cease after having run three years
course in a locality. We have in course in a locality. We have in this vicinity
had only two years of their presence-the second muach the worse of the two-and we ges from them. The method proposed by our correspondent from Sbanty Bay we have no doubt is a very good one. IIt is one that, if
ully carried out, must be in some meaure uccessful. Some potato farners last season made no attempt to exterminate the bugs, or even diminish their rapidly increasing numhepe for acourse so injurious, n't merely to themselves, but to the country at large.-

क्यक
Sir- - In my last I said a few wordd about
Shows; I now wish to return to the subject again.
Shows or Exhibitions are undoubtedly pro-
ductive of much good, but there are certain sequently cannot be benefi ted by them. I I re ferre 1 last month to the folly of spending so
much time and money on a few picked animala much time and money on a few picked animals
f. rexhibition, at the expense of thoose left at
home. Now, it is quite evident that in this home. Now, it is quite evident that in this
way many a. man thbains prizes for superior
animals, and getts the creditiof keeping good animals, and gets the creait of keeping good
stock when suct is raally nit the cese, while
at the same time there sre scores of farmers who do not thus seek public honor or prizes,
whose stock in general fin far in advance of that
of the class above alluded to. But there are ce tain things, as above stated, That are not within the province of Exhibitions
to deal with Hiuses, barns and other build-
ins ings, fie.ds, fencess and numberless other things
which are not portable, cannot, of course, be Which are not portable, cannot, of course,
placed on Exhibition at the Show, and conse quently, no prizzs ure given for them, no mat-
t-r how superior they may ber these are
certainly no less worthy of public eredit being given in the way of priz 8 , than those othe
things, such as horses, cattle and agricultura products, which at the Show appear to be all
that is wirthy of notice. that is wirthy of notice.
Now. I see no reason
 couvery and visit every farm shise owners
have sent theine and see eve yhthing
on the iarm $*$, and keep account of the relative on the tarms, and keep account of the ereative
value of each, and at the ent of their tour make outa list of the prizes, to be published
and paid to those meritity then by the the re-
ancective Township Councils. One Township
 Funds might be raised to ray the prizes (as
they are at Shows) by every farmer paying
which they are at Shows) by every (armer paying a
certain amount for everything he wishes to
have judged. The traveling expenses of the judges I would have paid from the Townshii
jutreasury but even if this amount should be Treasury, but even if this amount should be sarily make the prizee sman, unless some other
means were emplored to susta $n$ them ; still means were emprove to sustan them; still, thing or everythi g on his farm.
I should be glad, Mr. Editr r t sone of your corr spondents give youre idean on
this ubject. Perhaps a more feasible es stem this ubject. Perhaps a more feasible 8 s. 1 tem
of carrying out my plan might be buggester

Battersea, 8th Nov., 1872.
tions from areased to receive communica ments and giving information ${ }_{\text {We may }}$ not altogether agree with Mr. Li. in regard to his remarks on stock; others may. We are not supposed to be right in every ot every one may form, that is, in the eyes discussion that good often arises. Mr. L.' ened in us a plan by which we think much good might result. The Agricultural and Arts Association might most advantage models of farm buildings, suitable for a Tarm of 100 acres or a tarm of 500-acrea benefitted by the expenditure of a $f \in \mathrm{w}$
hundred dollars as prizes for models of tunity of taking drafts, giving descrip ions, dimensions and costs of such. Thousands of us have our buildings awkwardly arranged, so that we lose labor tent. A proper arrangement of huildings would be of immense value to the country, but how can we learn without a
teacher Our own buildings are not what they would be had we had the coustrueceach many that have no mopportunity to earn. To award the prizes to erected
buildings in each township would, we think, serve but little purpose, exce
taxing the poor to enrich the wealthy.


Sis,-I wish to direct the attention of the
numerous subscribers of the farmer's friend-
 question, the manure hill, the very bone and
sinew of farming. $I t$ is the moat negleoted
part of part of our farming opearations; moot negleoted kind of
gpeculation is sought after sid evrter
wid with lation is sought after and entered into
with a zest except the manure hill, the surest
and and safest investment.
I hope it is not lazin
Ihope it is not laziness, carelessness, or stolid
indifference, nor yet the fine and delicate sonses
of the frontal elevation the of the frontal elevation that causee this neglect
of this golden nugget that li i in the barn of this golden nugget that live in the barn- yard.
Now, farmers one and all, take the matter int. consideration and commence this winter to im. prove the barnyards by closing them in so that
the catte can be kept folded, whereby their crements can be kept in Am sml spa-e, and do
not let them wander ab ut the fields androad leaving the manure where it ought not to be. -
Another advantage in closed barn- -arisis is the
graat increase of shelter for sion crat increase of shelter for stock during our
cold winters, which would oftea cause an in .
crease to the profit side of crease to the profit side of many a farmer's
balance shete in the spring.
The barnyard can be close 1 in without a very large outlay of capital. A good board
fenee, say 8 feet high, closing in the whole fenee, say o feet hish, have a very creditable ap-
farmstead makes
pearance to what a large number have at the resent time.
This is a sub
Ce mind of every tharner shand ever receive before hise pe-
cial care and attention. His whole plan and cial care a ad atention. His whole plan and
object should better manure. The
following few wortis should be placed in some colowing few wordid should be placed in some
congmicuoun part of evry farmer's room :--
Irain, pulyerie,
 Newry, Nov. 11, 1872. Sir,--I got one peck of MrCCarling Wheat
from you in the epring of 1877 , and this Year it
produced one hundred bu hels of first rate produced one hundred lua hels of first rate
wheat, huich took the first prizzat the 'town Atherly, Nov. 11, 1872. W3. Boulton.

Sir, I send you some recipes which I have
tried, This one for Poll Evil I do not think
canbe beat:-1 Take one ounce
hog's fat; mix t
astor oilas to


$$
\begin{aligned}
& \text { solve } \\
& \text { iy mil } \\
& \text { it wil. } \\
& \text { hole. }
\end{aligned}
$$


will get wnct
stopat "nct
in Thur da
in four days.
This is the only condition powder that I use:
Thake ashes from good hara word, soot from
The chimney and
salt; mix them in equal yantities. A common
of scaled bran is a dose
To kill lice
To kill lice on cattle take the dust that falls
Tround a blacksm th's anvil and sift it
fine siev trake the fine dust and mix it
with hog's fat, and let it stand three day
hen it may b. put on. It it ind goof for day hep,
but it must stand longer and get melted. Tr
is from one
P. Ont.
I have a
I have a patent top for wells, to keep then
from fr en zn and $I$ will warrant it to keep th pump clear of ice in the ewh hest weather.
will furnish exclusive right. for s ne dollar, that I will give written instructions how to nak
If you trink these items are worthpinsertion
If your valuable paper you nay prit them in Yid oblige.
Yours truly
A. Latra.
astralia.
eather lae havely been having some very rough
We shall probabl blowing very much. this colony), perhsps 14 good y yield (that is. are a quantity which you will perhaps laukh
; here it would be a pplendid average. La:
ear the yield was about six bushels to The farmers, in many instances, have done yurrow spite of the poor yield. The double
us in great demand. and the ain is nearly all taken off with thrs shing ma traw standing. They are rather cumbersone
 warm, or they will not work properly, and the
grain wwuld be left tin the headk I dont know
whether you have any of the kind in Cand Whether you haveany of the kind in Canada;
perhaprsi the climate would not suit them.-
Chey are termed Reddy Rearing Machine.
Copper and wool have advanced considerably
 now than I have ever Rnown before. Mis Miner
ore getting great wages- enven
 per week
Thing taking away of the nopulation is a bad
thin for the Colony, but $I$ supposes it will thing for the Colony, but I suppose it will
work its own cure.
We have a very beatiful river-the Murray
-about a quarter of a mi'e wide, with numer
 us lagoons scatered here and there; ; it has
depth of 90 feet, and is navigable at times,
200 miles

 paying ten per cent down of the purchase
money, and can hold the land for ten years,
when he must either pay ant When he must either pay another deporit, or
pay off the whole anount at the tigure he took
the land up at. Residence not compulactr and a perpon can put another on compulgcry,
the land to to
telt the same, instead of residing on it him.
self. day we have had a fall of 1 ail a d the
weather has been very coll. I I th nd we
should have hud snow wit
 The children have not seen any yet,
wondering what itit is ilik.
Nairn, S. Australia, Aug. 9, 1872 .

SrR,- The West Northumberland County
Agricul ural Sceiety, with the Township So
cities of Hamity, cities of Hamilton, and Haldimand, held a a
union Show in Cobourg on the 1 5 th and 1 Gth union ctober, and. for the first, wats fairly suo
of osful. The County Societ have Ilise year
curch.
pused three anres of land for a show
 wath
with
stock
Th
She union Show was held in it and the Drill
She timplementend whild the the totck and and part of
thied nacom
 ing to the prevailing gideenene werere hardlles, ownal
in numbers to our usual County show, but
not in numbers to our usual County show, but
what were there wrre good The show of all
other Stock was god ; ourhams and Ayrshires
made the





 number of entries was 11600,
nakenat the gate nearly 8300 .

## Cobourg, Nov. 2, 1872. [We cannot refuse giving insertion to thi communiation froun our Cobourg crreppon ot, though in has  

| ture for the young Sociity. The fact of thei |
| :--- |
| having purchaeed exhibition grounds and en | taving purchased exhibition grounde and en

closed them, i. sures t their operations per-
mannence and etability. Our wish for them isGo on and pr sper.
We nust repuest our corresp.ndents to le Is have $t$ eir cumnunications on or before the
 og" valuable communications, on account of
reeeivinthen toon late -om times of not in.
rting them at all $r$ giving thes onsertion a nooth hater when their seasonable utility may
have pased. As'sT ED.]

- --

Sre, -You may publish this c $\quad$ mmunication Much h /s been said on the subject of winter. ing bees, a da griat deal of information has
been secured th the people of Canada. It $i s$ Che general opinion of writers that bees require
strength -that is, peenty of bees a d plenty of
or
 Hin in regard to my own manner of wintering.
bees, and other parties can do the same if they
hink proper. Lhe building for wintering beegs
 your, firm boards, and sealed inside, thee to
four inches wide, filled with clean sawduat or
siraw, well brined'and dried deter tion' othe building one door is sumptient,
and the buidin shonld be large enough to ad.
nit of the mil of the number of hives required and have
penty of roon for dry air. It should be well i d before putting in the hives.
i would reccmmend $t \mathrm{t}$ erome to
ix feet high; the boaril where the becs sit,
wo fet two fete or mire from the flocr; the botitm
boards should be slanted two i. ohes higher
ine side than on the other, and the hive raised ha an inch, in order to give the bees plenty of
ha
dr air and cumulate with their breath to run 'ff. It
would also prevent the bees from using half
he rould aiso prevent the bees from using half
he honey tey would neal if exposig the
sudden ohanges of the weather. The huilding should he will dried and not used till the wea.
ther gets cool. Before the snow comes henfe
up y ur the door, and examine the fink by ollis ing up
winter witer s.ason. They shonild nut be taken out
until the weather will mimit, and should be Camden, Oct., 1872. JNo. A. Courtwey.

## FABMERG' clube

 s. me news about our Farrorg' Club, beeides
what heard at ano her Club I happed to
attend. The North Norwich Farmery' Club is
is in a healt hy state and many are the lively dis-






 tion of wry. lay
to exhanative.
Mr. Moure ad
Mr. Moure advocated summer fallowing in
opp nition to the opinions of all the other nim.
h.


 with wats; or, if he took a fie'd to work
whares he wolld tow his outs on that field.
And now, Mr, Editor I must tell



 After I became seated the vicepresident got
up and said :-"Mr. -bringe ni agrioultu-

FARMER'S ADVOCATE
ral ppper with him. Now for my part I Thelieve

 ence in farmin
any uspo $\begin{aligned} & \text { told } h i m \\ & \text { him }\end{aligned}$

 tion. I said I thought you would print them
and even told him that he dare not write
them $\frac{\text { them. }}{\text { Now, Mr. Editor, woul } 1 \text { you be so kind as }}$
 you Perhaps he might five you some ide
which would be both new and useful.
New Durham, Ont., Nov., 1871.

 We hope that the number of our correspon-
 culture of the country, or that tray leat to the the


 early reports of equetnings of ariciculural clubs,

meflies to inquiries of correspondents.
J. C., Caradoc.-Mr. D. C. McDonald, best Essex boar we know of in this county. We do not know his charges for ervice.
$\underset{\text { W.e. L., Markham.-.-We give decile }}{\text { preter }}$ Root Cutters. The knives are not cusisily broken, and the workmanslip and finisi are unsurpassed.
F. R., Sherbrooke.-We know the Ay ricultural Mutual to he a perfectly saf and reliable nsintrancee
passed in this Doninion.
T. M., Pilkington.- Your sample of seed grain and communication have no
arrived. Perhaps you have forgotten it.

尔 $10+t r y$.
Country Chiddren.

inetivi illustrati,
In nucent clilil.t.
Shy as the and

Blue eyes and hazel eys
Fryed hat hithe els; \&s:
pit tive apple tree
Hiceuless of thunger
Mankoud in Emit, so,
Out in the hilly path


Lown M, Mg the grass,
Nogrim proprie y,
Frec as the lirillit, ss



haty
Nosweoter heritage

The Two Lives.
$T$ wo travel:ers came together
Into the world $s$ wide, In the new and sunny weather:

The one was :ittle andil feeble, The other was trraight and stronh, And the str ng one helped the
Because the day was long.
All over the level valley,

And the feelle one grows stronger. He piul ke the wayside blosions
From twil and bending stalk.
But the strong one never falters, Seanever of thine ons jop journey,
And because of the w wrld so wile.

But now il draws to evening,
And the feeble fails to go, $W_{\text {ith any heart of joyousness }}^{\text {Tor his steps are }}$ weak and slow.
Rut patient as aforectimc.




Thun only haxt the estryy

## Alouths' 7lpartmint.

uncle tows columin.
NAGRAM.

 во品.










 sir enstien the system, allo the nerves, restrai






Answers to pezzles in nov. no
summer. Autumn.



How malys are tierere count them, an ! a
your friendsat tom if youn cannont.

potash in the soil vecessaiy foo In order to produce a good crop of potatoes it is necessary that the soll wherein
they are planted have within itself, or supplied to it't'by manure, a sufficient quantity of potash. Every potato crop takes the soil a quantity of potash and of phosphoric acid, which must be supplied
anew. Dr. Nichols, in an address to a anew. of agriculture, thus tells why a crop of potatoes exhauststhe fertilizing qualitics of the soil:-" A field of potatoes yielding
200 bushels to the acre will remove from the soil in tubers and tops at least 410 lbs. of potash; it will also remove 150 llos. of are very large, and show that the potato subs'ances, and also show, that to restore our potato fields to their former productive condition, we must sulpply phosphatic in large quantities. For six or eight renerations our farmers have been exhausting the soil by these agents in the potato and other crops, and we have reached the fields for want of its proper food. Our farmers have found that new land gives that such fields afford the most potash. that such fields afford the most potash
A potato field which gives but 100 bushels to the acre, requires at least 140 lbs . of potash ; but by allowing the tops to decay apon the fich, sat that amount is obtained the soil al
in them.
lead poisonint; of cattle
The English papers state that a curious illustration of the fatal qualities of whit newton, near Aspatria. Some painters had heen employed about the premisies of the kev. Joltingsome repairs of the pump. When their work was finished they left a quantity
of white lead in a jar, the mouth of whieh was covered with coarse brown paper, and closely tied down. On Saturday week, during the temporary absence of the str.
vant, two of the clergyan's cows gained vant, two the hyre, and ate a large portion access to the eyre and atircumstauce which ing, when, on entering the byre, one of other in a state of delirium. Mr. Thompson, Y. S, of Aspatria, wals called in, and on making a 1 ",st-ment tom eamination of the dead animal, he discoveren a portion
white leal in the stomach and intestines. The entire case showed well-marked symp. tomsof whitelead poisomint. The neceisary remedies were immedintely alministeren
to the surviving animal, but proved $\left\{\begin{array}{l}\text { to the surviving animal, but proally } \\ \text { ineffectual. The poor heast graduall } \\ \text { sind into a state of coma, and died. }\end{array}\right.$ - posts
harrivif fexce posts.
A correspondent of the Ohio Farmer says
In the vear le.0 an uncle of mine put up In the year 18.00 an uncle of mine put up a
few painels of post and rail fence, which at
the time was the time was a rare thing in these parts, and
previ,us to setting the poits he burnt the previ.us to setting the poots he burnt the
lower ends mit to the first mortice unlil they were conmpletely charred. The were of whi
cak, from a tree of brasl appearance, set in a clay soil. Several of these posts are ye
standing with the appearance of lasting som year longer.
Chaxgnil Tile Gacie. - The Grand Trunk aliway will commence to re luce its gauge to
the feet sy inch stand 4 ond on the 5 th of Nov mberr, The line fiom Buffalo, Sarnia
and Goderich, wil be first altered, and athor sections will fonlow as soon as secasion demand
By the middle of next sumumer it is expected the reduced line
east as Belleville.

Surphovose is the name of the preparation
hat has beep found must effectual for the de.
 sulnhutoss at d common sulphur, sometim s is alto ther ther frems.
worthless

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 Retina, or Optic Nervo; 7 . Ophithalmia, or
Infammation of the Eye and its appendages,
In imperfect vision from the effects of liflam or imperfect vision from the effects of Inflam.
mation ; P. Photophobia, or Intolerane of
Light; 9 Over-worked Etyes; 10 . Mydeopo
 eyes;
$\begin{aligned} & \text { 1. Cat. } \\ & \text { Bight. } \\ & \text { Any }\end{aligned}$
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