## de. 55\% Stank



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Furniture street, London


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 Plymouth, Mass.



## LLS

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LONDON, ONT., MAY, 1874.


## Prize Essays.

We will give two prizes for essays this ment of Bees ; one on the Best Plan fo Packing and Keeping Eggs over Winte

Crop Prospects-The Fall Wheat
The reports we have recived of the The reports we have received of the
prospects of the fall grain are generall untavorable. One exchange says: "The changing weather is hard on fall wheat, Which has been bady winter killed. A
Another exchange says: "We fear that consequence of the want of a snow cover ing, and the repeated thawing and freezing -that the fall wheat has been seriousl crop may be expected. We believe many farmers will be under the necessity of plowing it upand re-sowing, as in that case
it can be raked up without breaking a root." Another says: "From almost every quarter we hear bad reperts of the wheat crop." "Another, not so discouraging,
says: "The reports of the condition of fall wheat are, as usual, conflicting. The bad, and we are not in a position to decid which is which. We are inclined, how ever, to credis.
The replies to our own inquiries have
been similar to the reports of our ex-hanges-generally discouraging.
From the personal observation of the must be unfavorable. The fall wheat has many places been bady y winter killed This has especially becn the case in low has stood the season well; and a mos trying season it certainly has been-inces ant changes throughout the winter, and was without its needed covering of snow In Essex and Kent, and in the west there re some good fields of wheat. Eastwar the crop does not give so favorable pro fall wheat, especially the clover that has already stood one or two seasons.
While such is the generally unfavorable there are still grounds for hoping that the wheat may turn out better than present prospects. The lateness of the spring is and much that is now bleak and unpromising may, as the spring
better than is now anticipated.
better than is now anticipated.
much can now be done to provide for wintering steck. A few acres of Millet r Hungarian Grass sown as soon as al
risks of a June frost are past, and pro-
perly saved, will give a welcome supply of perly saved, will give a welcome supply of
good hay, that, added to the roots, of which every succeeding year more fully demonstrates the necessity, will tide the Should there even be some tons of hay left when the spring opens, it will be no oss. Farmers know the worth of the ol -" Old hay is old gold
The Ontario Agricultural College This institution will be opened on the ated by the various township councils,anis pass an examination similar to that for our high schools.
Nothing could show better how little than the fact that the Government Commission have deemed it necessary to offer bonus for scholars. Pupils are to
fed and taught and lodged for a year the public expense, and then presented with fifty dollars.
Who is to pay all these expenses for the struggling farmer of the backwoods, who has all he can do to keep body and soul oogether, will have to pay his share to some wealthy man who has sufficient in fluence with the council to gain a nomnation, and who could afford to give tha son the education to fit him for it.

## Two-Year-0ld Beef.

In the columns of the present number of
he ADvocate we publish from the May Lane Express a paper on this very important subject. The very high price of meat in
England makes the early maturity of cattle a question of the greatest importance there, To only to the grazier, but to all classes. moment. No little of the superior value of well bred stock is in this early maturity. The general intros of great profit to the stock
been a source of breeder and feeder. The long-legged, large-
boned, ill-shaped cattle that were every where met with, have given place to well
shaped animals, with fine limbs, that mat early and pay a profit for the feeding. The
paper read by Mr. Hayward thoug especially applicable to the high farming gand
the prices of England, is replete with he prices of England, is replete with good
dvice for us. The Canadian markets, for
heef as well are every 保 improving, and we must stady
the best means of feeding stock with the Treatest economy and of the best quality. have no doubt, soon be competing with the Southdown, in the capital of the Empire The bran meal and oil cake of Canada will at no distanidate, be added to our roots and
field market. "The rapid increase of popu
lation and consequently increased demand pon the supply" in the home country, will have its effect here, too. Let us go on im-
proving our stock if we are to have our lands proving our stock if we are to have our lands
yield the full profit of what they are capable. And-improve
proved agriculture.

Annual Report of the Commis. sioner of Agriculture and Public Works for $18{ }^{18} 3$.
$\qquad$ select from its four hundred pages some brief extracts with a few remarks. The narrow
imits of the space we can give to it forbid us doing more. The statistics it embraces are not the least valuable part of its conion we have already given to our readersBureau of Agriculture might move less
tardily. tardily.
The Commissioner is "fortunately" able
to congratulate the country on its continued prosperity. "In the spring of the past year the prospects of the farmer, in conse-
quence of the prevailing drought, were of a guence of the prevailing grought, were of a ure to the crops. The welcome rains in
June came provideutially in time to avert so direful a calamity, and vegetation in most parts of this Province took a start, wh nay be said to have ba nellous." To what extent a failure such as here
spoken of might have been guarded against or if any timely caution might have been of avail, we are not tolat Now, we hold that
while the blessings of favorable seasons, of a propitious seed time and harvest, are in the hands of a higher Power than the tillers of
the soil or the Board of Agriculture, yet much may be done to avert so direful a calamity as a failure of the crops of the
country. Though we cannot cause the refreshing showers to visit our fields, or the parching drought to withhold its too long
continuance we can, by improved agricul ture, guard against the failure of crops by excessive drought or moisture, and that in
great measure. spring should not be lost on us. Who has
not observed betimes, and especially in a season of prevailing drought, the growing
crops of the farmer who had spared no labor or expense in the tillage of his soil, with
their dark green hue and strong stem, giving promise of abundant yield, even in the
driest season, while the fields of his neigh bor, with their shrivelled, stunted crops, told in unmistakeable language of shallow
plowing and impoverished soil.
The neces sity of thoroughly good culture, deepening
and enriching the soil, is a lesson often, though not too often repeated. The absolute necessity of its being more halitually prac-
tised is proved by the low average of grain tised is proved the the averale of grain
compileil from the returns of Electoral Ii.
vision Societies, to the Bureau of Agricul-
ture

Estimated average for the year 1873:

## Fall wheat Spring wheat

Oats
Rye
Barle
Peas

| bush |
| :---: |
| 22 |
| $15 \frac{1}{2}$ |
| 39 |
| 19 . |
| 27 |
| 27 |
| 261 |

The difference of the yield of the several great. Of the sixty-two divisions, there are only three-North Bruce, Dundas and Pres-cott-that give an average yield of an average under thirty-five, but not lowe than twenty-five bushels ; twenty-five di-
visions average from twenty to twenty-fiv visions average from twenty to twenty. iv
bushels, and an arverage under twenty is re turned by seven divisions. This very lo
average may in some instances be owing to average may in some instances be owing to
causes over which the farmer has no control,
but but much of it may be traced to unssitable ness of soil, or its bad cultivation, and, not
nnfrequently, to badly selected seed.
poor nnfrequently, to bady selected seed. Such
poor returns must be a serious loss to form-
ers. ers. If a given number of bushels per acre
-say 20 -will fairly remunerate the farmer for his expenditure of time and money every bushel over that number is so munh clear profit, and by as much as there is a de-
ficiency from that yield, by so much is there
Farmers should make it a rufle to till no more ground than they can till thoroughly
and to sow wheat only where they have reasonable grounds to expect a remunerativ crop. Coarse grains, even if fed to stock,
will be found to give a profit, when a poo wheat crop would entail a loss. "In some sections of the country many of the crops were no doubt more or less per
manently injured general results of the grain harvest came bu little short of an average."-Report. Il
spring wheat there is a lower averago yield than in any of the other cereals. Only i one section-North Bruce--has there been a
return as high as thirty-five bushels, while the very low yield in some sections bring the average of the Provinee down to the low
figure of fifteen and a half. higure of fifteen and a half.
The average yield of oats
The average yield of orts has been, of one
division, 0 bushels; of eleven divisions, ${ }^{50}$
bushels and of bushels, and of fifty divisions, deess than 50
bushels. The low yield of bushels. The low yield of peas in some
parts of the country has, as in the case of spring wheat, brought the general averag
low, though there was in many praces a goo low, though there was in many places a goo
crop. Rye is but little grown, and its cul
ture crop. Rye is but little Grown, and its cul
ture little attended to. To te growth of
corn the same remark is applicable. corn the same remark is applicable.
The spring drought has more The spring drought has more seriously
affected the root crop than any other. Tur nips in many parts of the country have bee a light crop, though in other parts the re-
turn was pretty good. In Haldimand the general average was. 1000 bushels; in several
givisions the averame divisions the average ranged from 800 to
300 bushels. Of Mangel Wurzel the returns were from 1200 bushels in Haldimand and lland. Carrots from 1000 bushela to 100


 suabian
In condinding our revieve of the reants of axperane of our past labors whether puc
 cood, laepp ounds for our expecting A tair re
 Noge ineesean war with weatar Mhior



 of Yoo dan, withont those adiditiona iaid mbdue and keep under these petho Io io


 asisitane troen the hoo, will accomplish the
most necessasry part of the farm work.

## Eggs for Prizes.

Many a little boy or girl would be one or other of the following varieties.We have made arrangements with Mr. Joun Weld to supply us from his choice varieties, viz., Buff Cochins, Dark Brahmas, Leghorns, Grey Dorkings, Black Po-
lands, Silver-Spangled Hamburghs, Houdans or game fowls, and Aylesbury or either variety to your post office, without cost to you, if you send us six new sub-

Short Horn Sales
Shuring the exat montt the prbibic sales on
 reaized havo beel
 Being an averana for each of
Threo buls
ola for Threo bull sod tor for
of..
$\begin{array}{r}\text {. } 800.00 \\ 4240.00 \\ 265.00 \\ \hline\end{array}$

Highest price pil Llow lodge). Highest price paid.........
Forty-five females sold for..
Being an average for each of Being an a
Four bulls.
Being an av

$$
\begin{aligned}
& \text { eing an average for each of.... } \\
& \text { HUGH 'THoMsON, sT. MARY' }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Highest price paid...... } \\
& \text { Twenty two females sold. } \\
& \text { Twal }
\end{aligned}
$$ o females sold for Being an ave

Three bulls.
Being an ave
Being an average for each Other sales have come The highest pricees paid
were by the Americans. were by the Americans. Mr. R. Gibson, any Canadian, viz," \$1005 for " Grolde Drop 2nd," at Mr. Thomson's sale. Mr. $J$. R. Craig bought heavily and paid good
prices. We also notice that Professor Mc-
Candless has been buying for the AgriculCandless has
tural College
The leading breeders and most eminent stock raisers in the Province of Quebec
will hold a union sale of thorough-bre will hold a union sale of thorough-bre treal, on Wednesday and Thursday, 13t and 14th May next ; the advertisement appears elsewhere. We bespeak a large and comittee are guarantee that this, the first combined sale, will be as represented. Catalogues will be ready
in one week, and will be torwarded on application to Jo
tioneer, Montreal

THIF FARMER'S ADVOCATE
May, 1874 straw, while the other part is so poor that
the crop is a complete failure, and you see
to your sorrow that half your manure is the crop
to your
wasted.
In the management of farm-yard and
table manure profitably it is neecssary
1st-That the greater part, if not all the stable manure profitably it is necessary
Ist-That the greater part, if not all th
stock, should be housed. 2nd should be housed.
2nd they should al be housed near
隹 n oner, heap conveniently.
3rd-That the
3rd-That the manure from the horses and
cattle be put in the heap in alternate cattle be put in the heap in alternate
layers, being spread evenly over the
surface. This is of great importance, be cause the manure from cattle, sheep and
hogs is of so cold a nature that if piled by
itself, it will not heat sufficiently to kill the seed of weeds, or to be in fit condition for
the land in spring. If used in this state for
root crops, the expense of keeping down the weeds will be so great as to nearly, if not
quite eat up the value of the manure. If
the horse manure is piled ty itself the horse manure is piled by itself, it heats
too rapid, and usually fire fangs and becomes 4th-The pile s.
4th-The pile should be made, if possible,
on the south side of the buildings, so as to be in as warm a location as possible, $t$ to
facilitate fermentation. The pile should be kept clear of the building, and care be taken
that the water from the roof does not fall on it or run under it.
5th-The sides of
5th-The sides of the pile should be pro-
tected and kept square by placing planks in-
side of posts, allowing about a yard and a side of posts, allowing about a vard and a
half square to each animal that is to be
wintered-more or less accorling to the size ontered-more or less accord straw or litter
of animals, or the amount of so made into manure through the
to be made to be made into manure through the
season.
6th-Care should be taken to have plenty of straw and all the litter possible to bed
the stock with. The cattle stalls should en be cleaned out oftener than every third day the horse stalls every fourth or fifth day.
Every night level down the surface of the Every night level down the surface of the
manure in the stalls, and cover well with
fresh litter. When cleaning do not throw fresh litter. When cleaning do not throw
out any litter that is not well saturated witl the dung and urine. By this method almos the urine will be saved and will add nearly
one-third to the richness of the manure. It one-third to the richness of the manure. It
will heat and rot more even, and will also will heat and rot more even, and will also
be mach finer in quality. I am fully awar
that there are many that will langh at th that there are many that will langh at th
idea of not cleaning the stables oftener, and
call it slovenly, \&c. but no man who value manure, after giving the plan a fair trial will think of giving it up.
7 th-No stock should be
on the heap. If the heap is trodden the air
will be will be excluded and fermentation will b 8th-If manure is made in the yard it
should be kept as compact together as pos
sible. The yard should not he larger than
The sible. The yard should not he larger than
would barely answer the stock to be kept in
it. The buildings should all have eavetroughs, so that no water from the building
ean fall on the manure or flow through the
yard. As soon as the manure thaws yard. As soon as the mantre thaws in
spring, it should be all gathered up and put
immediately on the top of the heap made immediately on the top of the heap made
from the stables. If there is not room
enough without, pull out the plank and level enough without, pulh out the plank and revel
down the heap one-half or more, acording
to the room required, being careful that all to the room required, being careful that all
the manure from the yard is placed directly
over the heating manure from the stables, so that as the heat raises it will pass evenly
through the yard manure. In about ten days or two weeks the whole will be in
fine heat. It should now be turned regularl ver, being careful to put the finest an
hotest to the outside of the heap, and kee ing the cold, coarse part in the centre.
the above directions are fully carried cut, $t$ manure will be in excellent condition to put put
on the land in time for root crops, potatoes corn \&c.
9 th.
Unless the 9th-- Unless the manure is wanted is
pasture or meadow, the land where it is
be put should be plowed deep the previo all. The manure shoold dee tarted out in ary weather, or otherwise the land will
injured by geing on it. Leave the mannu in small heaps, and do not spread it untit
ready to plow; then plow in witt a alight
furrow not more than two or two and frrow not more than two or two and a hal
inches deep. Do not make the common mis.
take of take of putting it on too heavy in the com
mencement, and when the heap is three.
fourths out, observe, when too late, that will not cover half the land you intended.
The result will be that one part of the land
is so rich that it grows too much tops or

## in the season. Second-Th

Second-There are no weed seeds but what are destroyed.
Third-The urine is saved, and double the quantity of litter and straw can be used.
Fourth-There is no necessity for expen-
sive sheds or cellars to be built, to keep the Fourth-There is no necessity for expen-
sive sheds or cellars to be built, to keep the
manure from the weather, as the compact manure from the weather, as the compact
heay, heating rapidy throws off the moist-
nar, ne so rapidiy that there is seldom any more
rain than what is required to keep the heap properly rotting.
Fifth-The man be plowed in shallow, so that the young
plants feed upon the manure as soon as they commence to grow, and the rich juices of
the manure are absorbed by the surface soil.
Sixth-The land does not dry up rapidly
and prevent small seeds from growing, as it and prevent small seeds from ged.
does when coarse manure is used.
S. H. Mrtchei

## Butter or Cheese?

Written for the Farmer's Adrocate.
BY L. B. ARNOLD, ROCHESTER, N.

We are asked whether it is more profitable this question must depend on several con this question must depend on several con
ditions. The prices of butter and cheese do
not always sustain the same relations to each not always sustain the same relations to each
other.
and this circumstance may decide the pues tion of profit at any particular time. But reversal of prices may take place, and that
which was high will be low, and the one
which was low may become high, and then which was low may become high, and then
the other product mayy yield the ebest return he prices of butter and cheese are all the
time going up or down. They seldom retain
tived relation lon any fixed relation long
The best we can do in answer to the above
question is to give the comparative rates of product from a given quantity of milk, and
the cost of manufacturing in each case. Bu then there is no definite amount of milk that quired for a pound the precher of butter or or cheese We must therefore base calculations on gen-
eral averages; and as the milk of different
breeds do not yicla the same relative cuanfites of butter and cheese, we will take the milk of the common or native cows as the
standard of quality, as they are by far the
most numerous both in the States and in Canada.
But in
But in the common breed there is grea
variation in the quality of milk; and then some people make more out of the same
milk than others. A well fed and well heltered herd of natives, whose milk
skilfully cared for and manufacturel, will
ield a pound of butter the sease yield a pound of butter the season through
from twenty pounds of milk. An indiffer nt herd, not very highly fed, with inferio
skill in making butter, will yield one poun of butter from twenty-eight to thirty pounds
of milk. With an average quality of milk
of native cows, and with average skill in managing milk, we may assume twenty-fiv pounds to make one pound of butter, and
that the same quantity will make two and
and half pounds of cheese. The owners of but-
ter factories make and pack butter in tub furnishing everything for $\$ 4$ per hundred, a
the lowest price. making and. furnishing everything for 2 makes the cost of manufacturing a hundre pounds of cheese differ only $6 \pm$ cents. Th
difference in the cost of manufacturing given quantity of milk into butter or chees is, therefore, so little, that it may be con
sidered the same in each case. There is considerable difference in the value of the
refuse of a butter or cheese dairy for feeding parposes. The whey from 1000 pounds
of milk has for two or thrree years past net-
ted abont 50 cents ted abont 50 cents. The sour milk and but-
ter mill from the same amount of milk is
estimated estimated at from two and a half to three
tines that of whey. The difference in the times that of whey. The difference in the
value between the sour milk and whey from
a given quantity of milk is equal to to pl per hundred on the cheese. If 2,500 pornds of
milk will make 100 pounds of butter that
sells for $\$ 30$, the 250 pounds of cheese it
would make ought to sell for $\$ 32.50$ to make an equal return for the milk. This would make the chesse 13 cts. a pound when but-
ter was 30 cts. The quality of milk in special cases may vary this proportion somewhat, but as a general rule it will be safe for
dairymen to assume that 30 to 13 is the ratio of prices betweeen buttor a
make them equally profitable.
In a herd of Jerseys 16 lbs. of milk would very likely make one of butter, and but two pounds or cheese. In such a case the cheese
would have to sell at 16 cts. to equal butter at 30 cts. 26 In a herd of Ayrshires that would require cheese of might be made instead, when cheese at $\$ 11.90$ per hundred would be as good as
butter at $\$ 30$ a hundred. butter sat $\$ 30$ a hundred. tories in Franklin Co., N. Y. that by using the Jewett pan, averaged 1 lha, of butter
from 23 lbs. of milk, whioh, whon converted into cheese, of milk, whioh, whon mave converted but $2 \frac{1}{3}$ lbs.
ind
When their butter was selling for When their butter was selling for 35 cts.
cheese was selling at 13 cts. It should has cheese was selling at 13 cts. It should have
been 16 cts. to have been as profitable as been 16 cts. to
making butter.

Prize Essay
on the pruning of apple trefs.
"Practice $\overline{\text { Before Theory. }}$
Written for the Farners' Advocate by
AbDiEL Geo. Deadman, Delaware. I presume the general object of pruning
apse as well as all other fruit trees, is oo promote the growth, add to its form an ymmetry, increase its
productiveness, an
to enlarge its fruit.
To insure theso re uirements and conditions, I propose to uffer few suggestions :
1st-The proper time when it should be 2nd - In what manner it should be done. It is impossible to give an exact date that
would apply to all parts of such an extensive country as the Dominion of Canada Sut as a general rule, never before the first of April, up to the time the buds remain
ormaut, after the severity of the winter is passed. But a have found from a long exarts of the country, is immediately afte
the season of sugar-making is over, or abou when the sap is getting sour. Whether the
season is early or late, this is the most con eason is early or late, this is the most co The surface of the cut then made canterise nh hardens sufficiently by the slight frost
that generally follow, without deadening back the sap wood at the edges of the cut
too much, which would prevent a quick healing over of the wound, or an escape of
sap which generally blackens the wound and seems very poisonous in its action,
We should specially avoid We should sspecially avoid pruning at
that period when the buds are swelling, and Hhat period when the buas are swelling, and
the sap is in full tlow, as the bleding or escape of sap is yery injurious to most trees,
and generally brings on a serious and incur-
ble canker in the limb and surrounding parts.
Again, never prune in winter, as the sucsap wood so far down from the edges of the cut that it causes a long time to elapse be-
fore it ever properly heals over, causing serious cracking over of the surface, admitwhere large limbs have been severed, causing body of the tree, lequening it wortends than dead. The old orchards throughout the country too
plainly tell of its effects. plainly tell of its effects.
Again, I find from the
Ist of September the best seazon of all.Wounds made at this segson heal over freely
and rapidly; it is the most favorable time to judge of the shape and balance of the head,
and to see at a glance which branches reand to see at a glance which branches re-
quire removal, and all the organizable sap
in the tree is directed to the branches that remain. But from the pressure of work at that time with most farmers, it is most in-
convenient, and almost entirely prevents its convenient, and almost entirely prevents its
general adoption, though to the amateur or
man of means it is the most desirable time of all, and the earlier the work is done in
the above named time, the more satisfactory will be the result.
2 nd-How to
This seem to prune
This seems so simple a thing, that every
school boy fancies that he can cut or saw ${ }^{\text {a }}$
limb off as well
on; but it mus ur old gravelled sections of the
decaying condit nost of the old plorable ignoran
has been the caus First, then,
mes from the branches more loss of roots by on each side, for othing more i taking out all sur are annually at
their growth, th their growth, the
done in after yea
de or the extremit thinned out, to ac
parts of the tree.
hape when first wo side branche down to near the
growth and comm as a tree not well
satisfaction in hea let me caution eve
more than three o be the ground the tree, and $\begin{aligned} & \text { there the great er }\end{aligned}$ allowing too many few years may
which in after y come so much c
necessitates th large limbss, whi
if it can by any The great secr
from the outside, inside-that is,
the branches to
the centre of the every branch fr
the outside cro mall branches f p for firewood, many bare pole
more of the lea becomes too
theses small bran ong handle sev lent for thinning
tremities of the at most hardwar person can read
any tree 10 to 15 Next, never cu
the trunk or ma nut from an eig above the swell that is to be re
when large br
close, the main was taken incr
ence before th severed, in whi canses great deca
parallel with the was taken, neve
leaving one side other, which d
torily, and whic
cut has been ma from the main bearing, as it el
cuperate from th previous crop, an
in the growth of spurs for the n
mind to prune a tree in in a very
l,e rather detrim health of the the
suddenly arrest to force a asele
out the body of pruning the next
If a tree is in an an
Ing but a feell ing
prune heavily,
vigorons growth vigorous growth
tree does not mal annualy, even
sign that the tre
pruving and ma

May, 1874.
TEHE FARMER'S ADVOCATH.
limb off as well as the mostexperienced per-
son, but it must be apparent,in passing along
sur old gravelled roads, through the older
sectiong of the country, on witnessing the
decaying condition and unsightly forms of moast of the old orchards, that the forms of plorable ignorance and, want of knowledge
First, then, begin as soon as the tre
comes from the nursery by cutting back it branches more or less, in in proporting back to the
loss of roots by removal. If well grown, loss of roots by removal. If well grown,
should have three or four leading shoots, on on each side, forming a well balanced head nothing more is necessary than annuall interfere with or cross each other. If tree are annually attended to at this period of
their growth, there remains very little to be their growth, there remains very little to be
done in after years but keeping the outside or the extremities of the branches wel
thinned out, to admit the sun and air into al parts of the tree. If a tree is not in a good phape of then tree. If a tree is not in an a go
shated, with only one or
wo side brañches cut these away and hea down to near the bottom of the last year' as a tree not well balanced will never give let me caution every person never to Hallo more than three or four branches to remain to be the groundwork for the formation o there the great error has begun, in leaving or allowing too many limbs at first, which for which in after years canses the tree to b come so much crowded with wood, that it
necessitates the removal of many of the large limbs, which should never take
if it can by any means be avoided.
The great secret is to prune your trees
from the outside, and not so much from the
inside- that is, thin out at the extremity o nside-that is, thin out at the extremity
the branches to admit the sun and air int the centre of the tree, instead of taking out every branch from the inside and leaving
the outside crowded; never cut away all the entre, as though they p for made to look like many bare poles-rather removing one oi
more of the leading limb of the tree, if it
becomes too much crowded, as it is from becomes too much crowded, as it is from
these small branches we vbtain our first crop
of fruit. I find a small saw attached to long handle seven or eight feet long, excel-
lent for thinning out the branches at the extremities of the limbs; they can be bought
t most hardware stores, and with them person can readily and easily reach around
any tree 10 to 15 years old after that a selfsuy tree 10 to 15 years ord; ant

Ne trunk or main limb (unless very small), but from an eighth to half an inch, accord above the swelling at the base of the branch when large branches are cut off level or was taken increases so much in circumfer-
ence before the wound heals over, that a
hollow is severed, in which the wete the bathers and often causes great decay. The cut should be made
parallel with the limb from which the branch was taken, never sloping up or obliquely,
leaving one side of the cut longer than the other, which does not heal over satisfac-
torily, and which will also be the case if the cut has been made at too great a distance
from the main limb.

Always prunc the year the tree is not in
bearing, as it enables the tree to fully re-
cuperate from the weakening effect of the previous crop, and will give it new life, both In the growth of wood and formation of fruit
spurs for the next crop-always beariny in
mind to prune according to the state or in of the tree, never pruning severely if the tree is in a very thrifty condition, as it would
l,e rather detrimental than beneficial to the health of the tree, as the sap would be so
suddenly arrested from its usual channels as to force a aseless growth of suckers through
out the body of the tree, capusing a second pruning the next year worse than the first.
If a tree is in an unthrifty condition, mak If a tree is in an unthrifty condition, mak-
ing but a feeble growt annually, always
prune heavily, which will induce a more Cigorons growth-remembering that if any
tree does not make eighteen inches of growth annually, even in a hearing year, it is a sure
sign that the tree needs stimulating, both by
all that is necessary is to remove just erough
to produce a healthy growth of wood. Every tree, as a common standard, shoul following nature ia its natural form, always efforts of the pruner going no further than
to take out all weak and crowded branches but by no means try and convert au upright
grower, like the Northern Spy int Soner, like the Northern Spy, into a hor
zontal grower,
would assure the R. I. Greenixg, as it Would assuredly be at the loss of part or
whole of the tree, when it has to sustain the
frst heavy crop of prune intelligently ond with a and again, to to profit
all trees sho can only be acquired by practice, after thorough acquaquintance wy practice, after
which the fruit is borne on the branner in which the fruit is
different varieties
place immediately over another, as it ex ex
cludes both the sun and and fruies to bot diseorored by the air, canstang the the
pings from above, and the fruit weuld be pings from above, and the fruit
worthless both in color and flavor.
In renovating very
In renovating very old orchards that have
long been neglected, wheu the trunk and
main branches are still sound, the tree main branches are still sound, the trees
should have the entire top cut off ctrtin should have the entire top cut off, catting
down to wher the limbs would be six or
eight inches through whis win eight inches through, which would cause a
vigorous growth of young wood-selectin
theref and at the same sume soraping and washing the tree with weak lye, and manuring and
cultivating the orchard for a few yous lowing, always covering over the wounds
when large limbs have been removed, wit grafting wax, to protect it from cracking and
to keep out the moisture and air the newly cut wood in a sound state to kntil $\xlongequal{\text { Correspondente }}$

## As yon promifuad inotssices

 interest, I wish to call your attention to the subjected. In shipping a car-load of cattlfrom London to the Suspenion have been compelled to pay $\$ 33$ for the dis tance of $119 \frac{1}{2}$ miles; at the same time 1
meet with American drovers who have
shin shipped their stock from Winlsor or Detroit
a distance of 2229 miles, for only $\$ 28$ in green
backs for backs or a sinnilar car-loail. It is m. have, fair play, unleless some orgonization for
their protection is formed. There can be no their protection is formed. There can be no
justice to us in compelling us to pay nearly
three times as much for the to roads, for which we have been indirectly taxed, or to Which we have paid large
bonuses. Many farmers may not see the
way the way they pay the monopolists; the price
paid for freight on stock is only se nuch
money less in the farmers' at the present time, drovers that ship at
Windsor or Detroit can be furnished with return pass, free, but a Canadian, after
having to pay such additional charges as tl having to pay such additional charges as the
railroal authorities deem fit to exact, is also
compelled to pay pay for his return fare.
John NIXON, Westminster. [We have long since been aware that species or extort,
the railroad Co.'s in many peen praces wh whe they
can do so; but, as yet, farmers can do so; but, as yet, farmers are not fairly
represented amony the controllers of afsair we hope they may yet become more united.
ED. F. A.].
the patrons of husbandry. Sir, - Seeing thiat this organization is
creating so much interest amongst the farmers, 1 , for one, would like to see a lodge
started ill this vicuity There are mall starrers yet to be made alive to their own
farmany interests in the rural districts of this fair
Canada of ours - those whal carefully read such an invalualle paper as the
Apvocart. There is the ground for the Patrons of Husbandry to work upon. Let
this institution once get in and do the work this institution once get in and the the work
it is intended to do, and the result will soon be made manifest. The fact of the matter
is, if the farmers in. general would organize is, if discuss the various subbects introduced
and
in the ADvocate, instead of so much gossiping, as is too often observable, it would
ing
indeed be much to their ads to the advantage of society at large. Moreover, I cannot see why the farmers shall not
have an association as well as the mech not
the merchant and the professional man
There might be a great deal said on thit
subject, Mr. Editor, but I There might be a g great deal said on thi
subject, Mr. Editor, but I w will draw to
close--hoping ere long to see a lodge orga ized in this vicinity, and thanking you fo
the ng your paper I ama al ready received by read

## obnoxious werds.

 Sive foreign countries a mareat number that more credthan they than they deserve in the way of supplying
this continent with all kinds of obnoxious
weeds. Now I believe the weeds, Now, I beli ieve the most part, I I doun'
say all, are indigenous I think our old ac-
quaintance the WWild Yount bed of the Wild Oat, is, for I can sh sh
yild wood of inem ine summer time in the ance or or road, a. mile and a came has from any clear
Ind troms them unawares

## hous hap so agai and

aga
ing
Wh ance for a mile or two thom whas not a clear
and of course no road was orever they grew, them, and therer they are to to ther dalil de near There
is alson the Canadian Thistle. Now, you gre

## h c l n $n$ <br> $\qquad$ 



## nit

 rec. ive it, with $p$ them to write it, and $I$ shat men, farmers shou'de exchange sertiments witheach other, and give each othrir the benefit
their nutual wellfare.
mat it when for ther

 not ourselves verified the stalement we quite
froun the New York Tribune, that "c214 of
our we our weeds have been introduced from fortigu
countries, and chiefly from England,", but we
have no doubt of its general reasons given by the writer for his opinion are at least till rebutted by proof of a ar ronge mentioned hy F. F. S., that he hed has discovered
bed of Wild Oata in the wid woods, far from
any claarance. is not any claarance. i in not sufficient teetimony on
their hrving been indigtnous there. Misht
not the wed agency unkwown toen brought there by sona may have produce similar results in the
swamp where the Scotch Thistles are now
irowing growing It is wizely ordained, by laws more
una terable than th:
Persi of the the Met Mat plas and ea that many various ingenteut climates; an
though for the ans incesantly seminating the seeds of plants to the most
lement emote regions. A little bird, in its mornin
meal, carries a berry or seed to a place man
miles from ita naty germ of a tree or plant.
the embalmed corpse of an Egyo deposited with prince in county, that they were thereby the mesns or terrimg for seed for other con inents an
for atime in the far distarte of thousands o
years It requires more enla
enquiry and research than have opportunities $\mathrm{Mr}^{2}$ S. to determine the number of plants, we.d.
\&c. fir which we in this continent are indebte to Europe. And. per contra, the Old W orld
is indebted to the New for many valuab is indebted to the New for many valuable
addititurs to her indigenous products. But we must give our coir eespondent credit tor his use
of thit useful faculy-Observation, and for
his commounications to his communications to us. A farmer whi sees
things with keen, observing eyt and with
common sense, possesses much of the element common sense, possesses mu
of success. - S.]
SIR, - In your March number your correspon
dent, M. M. heads an article with -"Shall we
show ewes or wit



$$
\begin{aligned}
& \text { we } \\
& \vdots \\
& \text { age } \\
& \text { an } \\
& \text { out } \\
& \text { out } \\
& \text { m }
\end{aligned}
$$




Abingdon, April 13th, 1874.
agents.


 Ho statais tatat formerain) overthe Dominion The azentst thank tor for freat many ef their











 mactiness


$\qquad$


 vork for our benefit.





Thia aeney buineses outs us both ways. We
 con





THE FARMFR'S ADVOCATF
May, 1874
 shy cannot we join Can we not gell in quarntities eurselves
sial there no means of escape from this worst of ax-gatherers, the Commission agent? Wingham. April 6th, 1874. spring wheat
SIR, - I send you by parcel post a smal
ample of Spring wheat of the produce of fraction over 50 bushels to the the acre.. The essult obtained was as follows :- Four years
ago I purchased two bushels of good wheat, nown in Canada-one bushel from chilwaukee. I mixed them ogether and sowed it-yield about 25 bush. Next year I took one-third of wheat sown same quantity, and sowed it-yield, 37 bush. same quantity, and sowed it-yield,
Next year sowed two-thirds of wheat grown
myself and one-third from 15 miles northmyself and one-third from 15 miles north-
yextlo 42 bush Near sowed wheat all
Nield yerown by myself-yield, over 50 bush. to
the acre. The last crop was on carrot and
the turnip ground, the previous year. 1 put 4
good loads of manure to the acre, and after
mand good loads of manure to the acre, an ounds
the wheat showed above ground 150 pound
of salt and 100 pounds of plaster, well mixed, of salt and
My idea is to select seed from large crops
of wheat, from two or three farms, the further apart the better. My supposition s, that there are male and femate plants in
all seeds, and in growing they do their all seeds, and in growng
sparking as natural as animate things; and
by mixing it is like crossing breeds to get by mixing it is like crossing breeds to get
good stock After getting ap a good prolific
stock, keep without mixing for a couple of


SIR,-I noticed in your valuable paper an
article about leached ashes. The way
used them was this.-I fitted used them was this:--I fitted my groun
for Fall wheat, ready for sowing, put 10 or for Fall wheat, ready for sowigg, prain, har
12 loads to the acre; put on the grain
rowed it in the usual way. It came up and rowed it in the usual way. It came up and
grew rapidly in the Spring. It started
ghen grew rapidly in the Spring. It started
sooner than other wheat, however near by,
and kept ahead. The straw was the heaviest and largest I have ever seen grown
on ordinary sandy soil, but rather below thie onerage quality. When shooting in head it average qually. frost. What the result wonl have been if this had not occurreh, land ha yielded more corn, potatoes, ooat
than the land in the same field.
A year or two after I took an eight acre
field of light, sandy soil; yellow loam an
spots of clay. The field was rathe part poor. The yellow ridge was low an it would not pay for putting in grain. One
half of the field (the sandy part) I top-dressed with barnyard manure, after fitting it up for sowing; and part of the remainder 1 top-
dressed with ashes. This tinue I put on six
loads to the acre, as near as I could without loads to the acre, as near as I could without
measuring the land. I put on the wheat and
and harrowed it. In the fall it did not show a
great deal of difference, when the snow left
in March the wheat showed no change from the Fall, but when the frost had full play at
the wheat, and no snow to protect it, the change was rapid. On the part that had
no top-dressing the wheat gradually disappeared; the part manured was not more
than half a crop; the part dressed with ashes was an average crop-grain plump, straw
bright and head long. The frost was unsmall piece after the wheat was finished. It did not have the same effect as when
harrowed in with the wheat. Pelham, April 6, 1874.

AMPAS AND Dole's terti DWould you inf, rmm me through the ADVocAT
whether, woolf teeth and lanp paz are injuriou
to young horses or not. I am taking you payer and hikt it very much; and I have a spa
of good oung horses, nit both have woolf teeth,
owould ike to know, whether it would b of good young horses, an th both have wooif teeth,
and would like to know, whether it would be
best to kock them out or not.
WM. W.
Lakeside.

To the Editor of the Farmer's Advocat Sir, Lampas I consider are more an in
aginary than a real disease, it is generally ow
ing to the young animal shedding his teeth, th ing to the young animal shedding his teeth, th
gums coming more particularly into wear ant
gear Sometimes it may be advisable to scarif tear. Sometimes then apply some coonitg as
them nicecly and then
tringent lotion in order to hard n and con
tract the gums, but as to burning and cutting ou tringent lotion in order to hard n and con
tract the gums, but atto burning and cutting ou
of the lampas as the old farriers term it,


## Grangers' Work

The Grand Master of the Illinois State lrange, Mr. A. An Gelterse lecently, in speaking of the Granges
most important part-is $t$ to educate; every nost important part - is to educate; every
other good will follow this. The power to adjust remedies to meet evils, political as
well as others, will come. An intelligent class, organized for diffusing information as
to facts and tory and character-cannot well be deceived
or greatly imposed upon. Organized and or greatly imposed upon. Organized as this,
actually at work for such a purpose as the we are building for ages, and our influence
will be a benificent power extending into inefinite periods of time."

## The Granges.

This order, called Granges, is gradually preading its roots tablished in Ontario. The majority of the farmers to whom we have spoken ar
in favor of the movement nearly all ad mit that something of the kind is re-
quired; but farmers as a body or individuquired; but half as quick to take up any new scheme as citizens, especially if
small sum of money is to be touched small sum of money is to be touched
however the work is progressing quite a however, the work is as the most sanguine had any expectation of, in fa
Deputy anticipated We expect to be able to report the or Grange shortly. We would suggest the friends of the movement that it would be to their advantage to be amony th
first to organize and make our by-law for the Canadian Grange. We think it would be well to have a good, fair repre-
sentation at our first meeting. There are sentation at our first meeting. There ar
now nearly enough Granges established in now nearly enough Canada to have our Can Grange.We presume the masters of the Granges
will soou be called together to elect their officers for the Dominion or Province.
Have your Grange organized, and be Have your Grange organized, and
ready to take part and be represented

## met of the of tall elig infl the the up

 course, general rule. A very great number e inhabitants, and particularly the ligible as patrons. fluence among formers, em are using their power to obstruct up to fryghten.With some we heeded; some farmers refuse they may be wool pulled over their eyes, and look for-
ward to the time when the patrons wil be benefitted. We have not as yet heard any argument that has in the least change our views regarding the movement.
we had the remotest idea of the move we had the remotest way detrimental to your interests, we would not risk the re putation of our name or that of your We wish to act fairly to all and give all an opportunity of expressing their view If there are ant question.
If there are any of our readers who are shall be most happy to find space in this journal for them to express their views against it. Th
have to appear
Granges Organized Since Last Issue
March 27th, Georgian Grange," Vincent: Master; P. O. Address, Meaford Win. Clark, Secretary
March 31st, " Sydenham Grange," Syden J. F. Rogers, Master ; P. O. Address, Wood-
Mard.
Matthew Gardner, Secretary; P. O. Address, Woodford.
April 1sts "St. Vincent Grange," St. Vincent: Henry Palmer, Master; P. O. Address, Meaford. H. M. Marshall, Secretary; P. O
Address, Strathnairn.
March 18th, "Elgin Pioneer Grange," March 18th,
Yarmouth
Stephen Wade, Master; P. O. Address Stephen Wade, Master; P. O. Address
Union. E. D. Scott, Secretary ; P. O. Address, Union. "Delaware Grange," Dela-
April 13th, "
ware: ware:
William Weld, Master; P. O. Address, Lon
don. R. C. Hammond, Secretary; P. O. don. Ress, Delaware.,
Ad Union Grange," Yarmouth : Stephen W. Wade, Master ; P. O. Address,
Union. E. D. Scott, Secretary; P. O. Address, Union. S. Pelham Grange, Pelham : Hill, Master; P. O. Address, Ridge
ville. W. Pembston Page, Secretary; P. O. Address, Fonthill.
Anson Garner, Master; P. O. Addres Drummondville; Walter Ker,
O. Address, Drummondville.
Correction.-The address of "Win ohester Grange" is Cass Bridge P. O., in
stead of Winchester, as mentioned last

## Japànese Peas.

Just as we go to press, we receive from the United fitates a package of peas bear-
ng this name, and some circulars describ ing their wonderful qualities. We don't place any too much reliance upon things as 200 bushels of peas to the acre, we subscribers may, receive benefir, if there is any, we have determined tn put of the peas in each prize package we send out during this month, (see advertisement of novelties on last page, as we tharge you nothing for them, we guarang them ; we can only say that they are a different looking pea from any we have to a bean of a yellowish color.
$\underset{\text { Corn for seeding }}{\text { Entes }}$



Dr. H Clagget in a communication to the
Rural World of the respective merits of high Rural World of the respective merits of high The practice of pruning down low heads and close planting is, I believe, of comparamay have many admirers. But with careful, observing, experienced fruit growers, it has
had its day-run into the ground, and the the success of fruit growing. For it is progress backwards, downwards and in conflict with the natural laws Ement tree and plant we cultivate grows
Every tevelopes according to natural laws, and requires for its high development, certain conditions. To obtain the best results we must seek to
work in harm
plying them.
plying them. Every tree and fruit are made up of element collected from the earth and air. The elements collected froms up through the stem by the roots and pass up through the stee
and branches into the leaves, where they combine with the elements from the air,
from which the compoand vitalized element from which the compont of vitalized element
pass to the development of tree and fruit. The roots and leaves, then, being the chief working organs of the tree, we should see to
it that both these classes of organs are sup it that both the conditions best adapted to the
plied with perfect performance of their functions, The important inquiry, then, with ever
fruit grower as well as cultivator of any othe fruit grower as well ascare those best condi-
plant should be -what ald
tions? With the confident assurance that, plans? With the confifent assurance that,
tions?
in proportion as he supplies them, will be the in proportion as he sup.
measure of his success.
The leaves require fresh air and sunlight, and perform their functions perfectly or in perfectly, as those elements are adequately
or inadequately supplied. If, then, we would meet the requirements of nature, we must adapt our mode of pruning to the cli-
mate in the natural supply to these elements.
In the humid climate, and consequent deficient power of sanlight, in England, very open eads are requin into the opposite extrem We should sooner expect to develop children into healthy, robust men and women, crowd
together in an imperfect ventilation and poorly lighted room, than expect to develope healthy, long lived, fine-bearing fruit tr
the canker worm beaten.
In 1870 the canker worm mide its appearance in my orchard, and took the leaves ofl
of three or four of my thiry-nine trees; in 1871 they took the leaves from all but ten,
and in 1873 I thought I would head them by antting bandages of cloth around them and did not stop them ; plenty got over the tar to take every learm off, except one limb about
as thick as my arm. In 1873 I applied the rope and tin in this wa
rope and tin in this way tight around the tree, took
I nailed a roped wide and nailed it on the tin five inches wide and nailed it on the rope, half the tin above on with three-penny
below it. I put it on
nails. After 1 put the tin on I took lime nails. And and made a thin mortar, and poured it on the rope to stop any holes that
might be left. When the tin gets full below they will get on the tin, but won't go down
above to get on the tree. I saw them on the above to get on the tree. I saw them on the
tin (that is, the motk.), but did not see one above it. I have known some to try it on few trees and condemn it becanse it was no
successful. If the trees don't stand more successful. If the trees don't stand mor
than two rods apart, the wind will carry plenty of the worms from one tree to anothe
to strip it. My trees stand fully two rod oo strip it. My trees stand fully two rod
apart, and in 1872 they were one complet apart, and in 1872 they were one comple
mass of webs, made by the wind carrying
the worms from one tree to another. the worms from one tree to another. M
trees measure from two to four feet in cir trees measure from two to cour eee twelve
cumference, and it did not cost me twe
cents for each tree.-R. M. M. in Prairie cumference
ents for
Farmer:
notes on procuring, keeping,
ING sems And tres.
Evergreens and larch should always be
procured from reliable nurserymen, and the procured from reliable nurserymen, and the
trees used should have been previously
transplanted. Avoid exposure of the roots transplanted. Avoid exposure of the roo
to sunshine or drying winds. Plant larch

The seed of as?
sh may be gathe ash may semetimes later, spreading thinly
freezing a little, freezing a cover
Keep seeds cover
These seeds, and Keep seeas, and
These seeds,
should be planted grow quite gener
borders of strear borders of stea
any locality in I
Silver maple a as soft maple, an
seeds in May or be planted soon
to grow. Youn to grow. Youn
cottonwood, wh
species, grow na species, grow na
sand bars and sl sippi and
may be procure may be procure
sons away from
know where to know where
dress Judge C
Manonee Count Mor repl
All all willows, wil
Walnuts, bu acorns are best
low piles, say $f$ low pilies, say
or on the surfa
tered situation ered situation
or on a south-s hay, and so
stand among t Plant nuts o
three inches de three inches
or sandy soil,
shallowest. or sandy st.
shalloweds of ash
Seeds and the ashes
say from Oct. r earth, moist
rotected from protecten not
be taken
seed together, seed together,
Honey locu frozen over wi
in that way th growth the fir
to hot water, signs of swell
into the groun
oats are being Small trees
in trenches $m$
thrust into th thrust into th
to leave a apa
of the tree ; pressure of
$\begin{gathered}\text { place. In } \\ \text { well. } \\ \text { face } \\ \text { forrestry }\end{gathered}$ It is to
plant tree
they com not, for eno
monstrate th excellent pr pr
what data $w$
be produced be produced
of trees, if of trees, if
trees to com
twenty year

May, 1874
THE FARMHE'S ADVOCATH

## GRICULTURAL <br> gricultural. <br> A Practical Ansu <br> The question so frequently The agricultural papers of the

 country, "Does farming pay?" having
been fairly settled affirmatively, the next question in order would be, I believe it pays as
does farming pay?" large a per cent. on the capital nether mechanical,
any other business, either mech manufacturing or mercantile, when it
conducted with the same inteligence and conducted whth san ail in all kinds of
business capacity. Men fail
business, but we are not to infer that failure business, but we are not to infer that failure
is the neecssary sequence of transacting their business badly and not in accordanc For the For the same reason many farmers occh
pying good farms barely support their
families, when they should have a surplus pying good farms should have a surplus
families, when they shom
over all expenses of the farm and family of over all expenses of the farm and family of
several hundred dollars a year. The quesseven of profit or loss is more in the man than
tion the business. Some men will succeed in
in any business, and others-will just as surely
fail in whatever they undertake, whether it is farming, merchandizing or manufacturing.
Could we strike a balance between losses Could we strike a balance between
and profits, I believe we should find that and prors,
the agregate capital employed in agricul
ture in the State of New York is paying a large a per cent. of net gain as the aggregat
caital employed in any other business. capta contribute my mite towards the solu tion of the question, allow me to give the
results of my farming, with the hope that results of my farming, with the hope that
others may be induced to do likewise, to others may be induced know how much farm

## ing pays.

 per cont. on the investonent. My Mreply wasthat if $I$ could not make it pay ten pert I would quit the business. The farm, con taining about 90 acres, was badly run down
the buildings and fences were in the las the buildings and fences were in the last stages of their existence, and that parto
the farm (about one-half) which was nder
cultivation so thoroughly worn out that the cultivation, so thoroughly worn out that the
yield of hay was only one-half a ton to the yield of hay was only one-hal a con to outs
acre, orrn about forty bushels of ears, oats
twelve to fifteen bushels, and other crops in twelve to fifteen bushels, and other crops in
proportion. As fast as I could get that proportion. As fast as I could get that
portion of the farm in a suitable condition
it was seeded down, and I turned my attention to the other half, which had been
wholly neglected. Part of it was a timbered swamp, part of it brush land, and the remainder a swampy pasture where cows
mired in midsummer.
The first thing was mired in midsummer. The frrst thing was
to drain the land, then the brush and art
of the timber were cut away, aud now about to drain the lar were cut away, aud now about
of the timber
tweflive acres of that hitherto unprodnc-twenty-five acres of that hitherto unprodac-
tive part of the farm are under cultivation, tive part of cos more ready for the plow as
with ten acr
soon as the stumps can be got out of the way. Now for the result. Last year my cash
sales from the farm were $\$ 3,520.31$, and my sapenses for labor, feed of teams and stock, repairs, tools, taxes, \&c., were $\$ 1,739.08$,
leaving a net balance of $\$ 1,781.23$. But the leaving a net balance of
cash sales of a arm represent only a part o
the actual income derived from it. from previous experience that my family
camnot live in the neighboring city as well as we now do, for less than $\$ 2000$ a year ; and We awe style of living in the country, if
the saan to parchase all our family supplies
we hal we had, to purchase all our family supplies,
would oost not less than $\$ 1,500$ a year. But
my family expenses are now. only one half my family expenses are now. only one-half
that sum, and the other half is made up .by
the grain vegetables meats. fruits, the grain, vegetables, meats, fruits, darm,
and poultry supplies furnished by the farm and pourtry supplies furnished by the farn house, the rental value of which, at 10 per
cent., is $\$ 400$. We also have the use of a cent., is $\$ 4$ carriage through the year, which
horse and
would cost us in the city at least $\$ 200$. To sum up, our actual income from the farm for

## Net cash receipts Family supplies.

Family supplies..
Rental of house
$81,781.23$
750.00

| 400.00 |
| :--- |
| 200.00 |

$83, \overline{131.23}$

The farm with its inprovements has cost
me $\$ 15,000$; but it is
now worth $\$ 20,000$, Add $\$ 2000$ for teams, stock and farm implements, and by alittle arithmetic, I find that ny tarm paic last year over 18 per cent. on
the investment, and over 14 per cent. on the present valuation of farm and stock. pre. sent by reason of a failure to make my farm
 lebedness we owe to the arm. There is a
long list of beneftits inidident to and insparable from the farm, which we cannot measure by heore stand strength of limb and
wi breathe, iving us
vigo of mind the landscape to please the eye, birds to cheor the heapt, and 1 flowers to
cefine the taste, are only a few of the many reline the taste, are only a few of the many
blessings that tall, as the dew falls, to the lot of the inteliligent farmer, makikg, the old
farm homesteal a pleasant retreat farm homestead a pleasant retreat for our-
selves when the weight of years proses
heavily upon us and the dearest hearily ypon us, and the earest spot on
earth to our dhildren, towards which, in
 sweetest memories of their poum on country
But Idid not intend an enconium on life. My object was to make an exhibit of am for the aspeentat antisfied. am for the presen
Country Gentleman.
prodicing grass sked.
Every farmer uses more or less seed of the
different grasses and foreign plants. Most of different grases and foreign plants. Monst or growers, few farmers en eng so sitatered
grow all the grass seed needed for stocking down pastures and meadows in the spring, The season is coming on when these sead Mast be sown, it ever. these can be procured to the best advantage, or at the cheapest rate. voth these acquirements are, bject in view alone. Seeds bought at the best advantage are always cheap. They may cost a little more mest. As an instance, the experience of a man in Wishestern New. York may be adduced. Wishing to sow a little
nisike eloverseed, he consulted the catalogues Asike advertisements of all the regular and ransient dealers. Pries ranged from 75cts. ${ }^{5} 81$ and 25 cents per pound.
 ing the seed at the loweet prices. The seed of twe white ox-eye daisy blossomed out
inely. They were dug out, of course, but new ones have appeared every year bince,
rom seed which had hithereto remained lormant in the ground. That seed was not heap a any price. The same perron wishee
to sow more last season. He was at the
Het rouble and expense of taking a journey o
sixty miles in order to personally examine at a large seed store, the samples of Alfike seed. The seed purchased was prestan
examined with a magnifying glass, and
no ox-eye daisy seed could be detected. This
Alsike seed costs more than advertiee rices, but the purchaser will probably find Ititis. wise to sow the best sed and to sow
plenty of it. It is wise also to buy only of plenty of it. It is wise also to buy only of
seedsmen who have an established reputation for accuracy, carefulness and responsibility. The reputation of such is worth more than of course their goodis can be reliee apon--
They also have a direct interest in selling
 such sales are a sto here sown.
nent
Itis everry section wise Itis necessary to sow plenty of seed. Ten
ents saved in seed results usually ina
dol. lar lost in the harvest. No one has ever rei Dorted that he had sown too much. All
forts have been invariably male the other
fay way, as far as known. If the "penny wise
nut pound foilish" course--that of sowing aas Tew pounds of geed as possible-is folowed,
 seed must be sown as will stock every square plant. This will take more seed in number han just the number of square inches of
surface in the field. Four or mores times surface in the field. four or more times
this amount shond be proveded for mach
is inevitably olost. The seed should bo scattered lavishly emoungh to secure a good
stand, if it takes a full half bushel of geed
humus in the sol
The action of light, air and heat on the now commencing to be accurately studied. So important is the role of the sun
in the economy of life, that Prof in the economy of life, that Professor Tyn of the sun." Plumus plays an importan part in the mechanical as well as in th When the air canmot feely entes the soil,
owing to its natural stiffness or insufficient owing to its natural stiffness or insufficien
deep tillage, humic acid is produced, whic deep tillage, hu is not beneficial.
producing those phenomena of fermentatio so mysteriously connected with the plant'
life. It is more essential latitudes than in the contrary Being black loosens tenacious clays-acts in a sense like lime. The presence of humus is not at al a a consequent evidence of fertility; it it
power of work, in a word; that constitute its value. In the case of hearyy clays,
series of wet seasons tend to produce an e cess of humic acid; to remove this injuriou
acidity, lime is acidity, lime in added, or the culture of ole
aginious plants in a rotation secures the
same end same end.
mantoba as an agricultural country somtimes of great depth. The most commo is what is known as the black muck, very productive,so much so that the natives never
thought of manuring. In the parish of Kil
donnan one farmer cropped his fields for 40 donnan one farmer croppe
years without fertilizing.
Crops.-They raise there the usual cerea in the excellency of its potatoes. Mr. Fau cet says that he saw potatoes, nine of
which filled a patent pail; a turnip average crop last year was wheat from fort to fifty bushels for the acro, And after th there, but the climate is not adapted to it. Water Privileges.-For machinery there are none; streams, are slow, no currents or
rapids, but for culinary purposes abund Woorl. --Wood is rather scarce abundance chiefly of oak and poplar: the latter can be Arased raids of these for the last have only been fiv those only were universal. -From Mro
Thompson's Lecture.

## tmprovement of oats.

heaviest wild oats successively planting the suited in bringing the weight of the grain
up to 38 pounds per bushel in the conrse
six years up to 38 pounds per bushee in the conrse of
six years only. Now we find in nature that
it is harder to improve than to degenerate. it is harder to improve than to degenerate
it is not at all strange that by unconcern planting, and for want of proper selection in seed, the oats we raise rarely come up even
to the standard weight of 32 pounds to the Frequently the oats grown in the South,
where carelessness in this respect has nnfortunately long been the rule, weigh but 1
pounds to the bushol, or a mere tribu the weight of their uncultivated progenitor Muacr of this poverty of quality in oats is by the way, for the unenterprising farme excuse is not valid for several reasons. In
the first place, seed weighing 45 to 50 lbs .
per bushel may be procured wanted. In the second place, this seed wil reproduce itself for several years without
deterior Ition. In a case which came to our
knowledge. and the facts of which we can youch for, a field in Pennsylvania was son Nova Scotia, and which weighed 45 , to the bushel. The crop was harvested in
July and weighed when threshed 47 pounds pened to be a wet one and favoralle for oats. sown, and the crop, although the season was very dry, stin weighed the pound pe
bushel. It is probable that the seed migh have ceteriorated by this time had the far
mer continued to sow it. This experience however, disproves the idea that heavy oats
cannot be grown in the United States, eve cannot be grown in the United States, even
in a hot, dry season like that of 1870 , in which corn curled considerably,
As bearing in an interesting As bearing in an interesting manner upon
this subject, we gather some facts froma a



Time reasons for emigrating tomantrob The following are among the reasons whic as a ground for their enterprise, many on which are worthy of consideration by all in
tending emigrants to this country : The land, situated in the valley of the Red River of the North, is a black loam of great
fertility, is prairie covered with grass and ertility, is prairie covered with grass and
without a grub, stump or stone to stop the progress of a plow.
Wood and and
and fencing near by, Minnesota Pineries but short distance away.
Home markets with a prospect of remaining so while roill
ooads are being built and new comers flockng to the prariie province. comers tlock
When surpus crops are raised, When surplus crops are raised, two rail
way routes for shipping to the east will bo Canadian route, running low rates of freight till be about 350 miles distant the Colony The cost of living in Manita
armer is less than in the United States oods needed by his family being cheape pay.
Gold and
The climate is acreeable and healthful oo warm in summer and in winter steadily had without sorms. Good sleighing No wand in Manitoba ist reserved for rail
oad companies, so that all is open to settle oad companies, so
nent free.
You will have You will have immediately schools,
hurches, and the advantages possessed by n old settled country.
 p. The new province of Manitoba ha hoose, should the selection made by the managers of thi
by the settlers.
about barley.
A correspondent in the Decorah Repphl-
Cictin tells as follows how he succeeds in
raising No. 1 barley: "I Ietm my crop stand on the ground until
it is fully ripe, and then, instead of binding, sop usually done, serve it as we do our hay rop -rake it up and stack it immediately
Thent thresh at your convenience. By fol
lowing this rule I have invariably succeede In getting a No. 1 berry, and consequently
the best price. I have never failed in this Others who have followed the same plan
have met with the same success. My neighbors, who follow the usual course, hav
sometimes almost scolded me becanse would not cut my barley as they cut thein

mportations.
We are indebted to the Collector of Her
Majesty's Customs for the following interesting statement, showing the enormous amount of the ordinary necessaries of life
that have been imported into Manitoba dur ing 1873. There is not an item in the whole list that this country is not capable of pro-
ducing in abundance. What can our farducing in abundance. What can our far-
mers be thinking of; look at $\$ 817$ for eggs
alone, and yet they have been so scarce all alone, and yet they have been so soareo all
along that one could hardly be procured for
love or money. We trust that these figures love or money. We trust that these figures
will be largely copied into the Canadian papers, for nothing could be more encouraging
to the intending agricultural emigrant than this reliable evidence of the la
for farm produce in Manitoba :
Gold Value of Farming Productions 1 m -
ported into ithe Province During the Year

## Butter. Cheese

Lard and Tallow

## Preserved tables. Horses....

## Horses Horned Sheep.

Sheep. .....
Vegetables.
Eggs.
Flour of wheat and ry
Wheat........................
Public uses of the Dominio
bacon, crackers, etc.
Total. ...........
lime and clegver as fertilizers,
By James Atlee, Est,
Experiment has fully demonstrated the
beneficial effects of lime as a promoter of the benencial effects of lime as a promoter of the
growth of vegetation; but the results of its
ppli application have been as diversified as the
circumstances and conditions of the soil to which it thas been applied, and many fail to
ealize their expectations, either from a lack of proper aplication or from the condition
of the soil being such as to admit of its only dispensing part of its properties as a fertiliz-
ing agent. We find from analysis that
ing lime, in some of its combinations, forms a
constituent part of nearly all plants, but varying much in quantity in different plants
By direct absorbtion, it is necessary to the perfect development of vegetation. Its chief
office, however, is in its assimilating the onfce, however, is in its assimiasing the
properties alrealy in the soil to the plant,
Vegetation lives only on digested or decomVegetation lives only on digested or decom
posed food in the form of liguids and gases.
The soil may contain all the constituent The soil may contain all the constituen
elements of the crop intended to be raised, and yet it may not be in a condition to be
appropriated. Most soils contain carbonates, appropriatea. Most soiss contain carbonates
sulphates and phosphates of potassium, sodi-
um and magnesium, in combination with silica, ind megnesium, form of earthy rock, faldspar,
sco, but in such a conditionas ot absorb as they are slowy decomposed by exposure to the gases of the atmosphere and the rays
of the sun. Many of the manufactured of the sun. Many of the manufactured
fertilizers make a fair showing by a alysis,
and do contain the elements which should sustain the plant, and yet they may be in
ssch combination as to prove inert, on ac-
count of their count of their insolubility. This is one of
the beneficial properties of lime. It breaks up these combinations and forms new com-
pounds which are more soluble, and are thereby made available nourishment. This
tesult of liming is more perceptible on land result of liming is more perceptible on land
containing humus or vegetable mould, which

## Under eertain cint food

ime may be detrimental. When ure of
into contact with ammonited into contact with ammoniated fertilizers it
decomposes hydrochlorate of ammonia
a loss of one of the most valuat of plant growth It also reduces a superphos phate of lime to a phosphate, thereby render:
ing it insoluble. Hence we find superphos
He phate and ammoniated fertilizers do not act
well on recently limed lands. We would wet on recently limed lands. We would
not advise, therefore, the composition of
lime with stable manure, hen manure lime with stable manure, hen manure, or
other fertilizers rich in phosphate or amother fertilizers rich in phosphate or am-
monia. We have, nevertheless, an antidote
for for this trouble whinh should always be re-
sorted to when loss is likely to sorted to when loss is likely to ensue from
this cause. Plaster (sulphate of lime) and this cause. Plaster (sulphate of lime) and
salt (chloride of sodium) absorb the ammonia set free, and from sulphate of ammonia and
hydrochlorate of ammonia hydrochlorate of ammonia, which are solu-
ble and in condition to be returned by bea and in condition to be returned by the
rain for the use of the crop. It would be
well to state in the well to state in the connection that this is the
real benefit to be derived from the plaster real benefit to be derived from the plaster,
(which is but a different form of lime.) Not being of high valuee as a fertilizer in inself,
but having an affinity for ammonia-which is very volatile and liable to be lost by bevaphor-ation-it lays hold upon it as it passes from
the decomposing vegetation in the earth, and also absorbs that which has escaped,
and is retained by the rains, and is thereby brought directlly to the fountain from whence
the plant draws its nourishment the plant draws its nourishment. I would
advise, therefore, a more general use of plaster, or plastere, and malt, general wase of
top of the ground, especilly whe on
to op of the ground, especially where ammoni atown ertilzers have been used, also to b
sown barn-yards and in stables and
chicken-bose tor chicken-houses to save the ammonia which
otherwise would A solution of copaperas
will answer of copperas (sulphate of iron purpose applied to
stables, and is one of the best stables, and is one of the purpose applied to to
for cellars and out-houses disinfectants for cellars and out-houses.
But we derive our benef
liming. By loreaking up these combinations in the soil it renders it more friable and
easier penetrated by the atmosphere and easier penetrated by the atmosphere and
in this condition it absorbs the moisture more
readily, and is less liable to suffer from readily, and is less liable to suffer from
drought. From these thoughts we woul drought. From these thonghts we would
conclude: First-that but a small quantity
of lime is requisite, independent of its action of lime is requisite, independent of its action apon and in conjunction with other constitu.
ents in the soil. Second-That lime applied to land destitute of human or vegetable mat
ter makes available the inert properties in the soil, acting as a stimulant to the crop,
and leaves the land in a depleted condition. and eaves the land in a depleted condition.
Third-That only in combination with the Third-That only in combination with the
mineral constituents of the soil that are
available available, and such vegetable and animal
matter as may be supplied, can its full lenefit be secured.
This bri
This brings ns to the consideration of the
second point of this subject, -the action of lime upon and in connection with clover a the best means of funnishing the requisite of
a complete fertilizer. Of all plant a complete fertilizer. Of all plants none
seem more dependent on lime than clover, seem more dependent on lime than clover,
and it will not grow on land destitute of lime
We find by analyizing the she We find by analyizing the ash of clover that
of its inorganic or earthy parts there is of its inorganic or earthy parts there is 25 per
cent. of lime, 27 oi potash and soda, 6 of
of magnesia, 3 of chlorine, 5 of silica, 25 of on magnesia, 3 of chlorine, 5 of silica, 25 of
carbonic acid, 6 of phosphoric acid and 3 per cerbonic acid, 6 of phosp
Thus welpesice acid
cet
Tres we see that lime, potash and soda clover. The carbonic acid is supplied b atmosphere in abundance. From the pecu-
liar rabit of the clover plant, it draws its
nourishment from sourcess not available to nourishment from sources not available to
other plants. Its fibrous and deep, penetrat. other plants. Its fibrous and deep, penetrat-
ing roots search for food to the depth not
attained by other plants, while its numerous attained by other plants, while its numerous
and broad leaves drink in its organic constituents from the atmosphere, shading the ground
from the concentrating nearing rays of the surface a mass of
those very elements needelf ing crops, and in kind and quantity more than suthicient to supply their wants.
We thas have in the combination of thes two fertilizers--the mineral and the vegetalle -those very constituents requisite to th nourishment of the cereal crops, and to this
end an all-wise Creator has so abund provided lime that it is supposed to compris one-seventh of the crust of the earth. It
remains for the tiller of the soil to utilize thesere
Farmer
-The editcr of Moore's Rural speaks of
meadows which have not been 20 years, and yet they yield not only heav but first quality hay; they having always
been pastured in early fall never and occasionally harly fall, never fed close with fine rotted manure.


TH円 FARMEF'S ADVOCATH.
May, 1874 Misssrs. Brrel \& Jounsion, of
Greenwood, Ont. have purchased the Greenwoo, Ont. Wave purchased, the John Russel, of Pickering, Ont.
Mir, SNELLS' Show Cow, "Golden
Drop," sold at their recent sale for $\$ 1225$
Me Gibson, of London Township Mr. GIBson, of London Township,
ought "Golden Drop 2nd" at Thomson's bought G Golden
Sale for $\$ 1005$.
Four of this popular family were sold gate of $\$ 4,260$, or an average of $\$ 1,065$ each. Mr. R. Gibson has refused

## Another New Potato

We now call your attention to Brownell's Beanty, a potato intronuced by B. K. Bliss
\& Son, who give the following description of it:--
This new potato was raised by Mr. E. S.
Brownell, an enthusiastic fasmer in Northern Vormont, and named by him "Brownell's
Beauty." This variety was obtained in 1870, after a long series of experiments, by fertil-
izing the blossom of the Early Rose with the izing the blossom of the Early Rose with the
pollen of the White Peach Blow, and possesses, in addition to the excellent qualities
of these two popular and well-known varie ties, that of being, without exception, the handsomest potato in cultivation, and a most excellent keeper, which will make it parti-
onlarly valuable for shipping purposes. onlarly valuable for shipping purposes. Po-
tatoes kept in an ordinary cellar from 'October to the following August, were tested by some of the best judges in the country, new varieties then in the market. Samples for trial have been placed in the hands of competent judges the past season with the
most satisfactory results.
Samples were also sent to the gardens of the Royal Horti-cultural Society of London, where they re-
ceived a first-class certificate, and have also received many premiums at various Agricultural Fairs in this country. At the State Fair in Albany they attracted much atten-
tion, and sold readily at $\$ 1.00$ each. Size, medium to large, growing. very fair and smooth. Eyes few and small, nearly even
with the suaface; shape oval, somewhat flatwith the suaface, shape oval, somewhat flat-
tened; skin reddish, or a deep fesh color;
flesh white, fline grained and very delicate; For the table they
cook either by baking or boiling equal ing or boiling, equal
to the very best, and with ordinary, boiling they cook to the
centre evenly, dry and mealy, and ar never hard, watery at the centre ; flavor unexceptionable. Its growth ; foliage deep thy in all respects. pactly in the hill, and are easily dug, ripening in about three planting though suitweek later than the Early Rose, with the
same culture. They


## are very productive, with but few small

tubers. The first year, from seed, 21 tubers table size; in 1872, an average of three bushels from every pound of seed; in 1873, one
pound of seed, cut to single eyes, produced eight bushels., Its beautiffly appearance, fine quality, extraordinary prodnctiveness and
remarkable. keeping qualities will render it a most valuable variety for the market
[We try to give our readers information reintroduced, and also an opportunity of procuring them early without cost. We cannot be sure of the superiority of all new varie-
ties until they have been tried by several parties. B. K. Bliss \& Sons have an established reputation, and it wonld not do for chem to run their name on an inferior arti-
cle. We will send four ounces of this new potato to any person sending us one new subscriber to the Advocate.
 hands of the express man, and it it currently
reported that eggs are sometimes broken or
damaged on the passage. But if they arrive damaged on the passage. But if they arrive
safely and are put immediately under a setting hen, you may get a half-dozen chicks,
and with fair attendance, raise them. and with fair attendance, raise them. At
the end of the season you have only half
turkeys enough to start turkeys enough to start a flock with, if you
heve a good range. Twelve dollars will buy heve a good range. Twelve dollars will buy
a good pair of pure-bred turkeys, if ordered
early in the season. The hen will lay for the a good pair of pure-bred terkeys, if ordered
early in the season. The hen will lay for the
first setting first setting sabout fifteen eggs. If these egg
are taken from her and put under hens are taken from her and put under hens, she
will very soon lay $a$ dozen or more for a second setting. If the eggs are properly
cared for, and turned daily while they are in cared for, and turned daily while they are in
the house, they are quite sure to hatch. It
is he house, they are quite sure to hatch. It
is sade to calulate upon thirty eggs from a
good bird, and a flock of a dozen or more the first season. The balance is altogether in
favor of buying the fowls favor of buying the fowls. There is little
chance of being cheated, for if the birds do not suit youn, you have your remedy at once.
But you do not know what is in But you do not know what is in your eggg
until the end of the season. The best safety package for the transportation of eggs yet
invented, is the ovary of the mother. It is quite rare for fowls, properly boxed, to be
injured in transit. They can be sent across the continent with about the same safety as across a country. It costs but a little more
to buy good fowls. and you generally gain to buy good fowls. and you generally gain
one season.-W. Cleft, in Poultry World.

How to commence with poultry. As we are fairly launched in the poultry
bnsiness, our experience may be of some use basiness, our experience may be of some use
to others just commencing. The first step with us was. to buy three large hens, expect.
ing them to suit in due time. The next step was, therefore, to buy five more, setting when bought. Of course they
kept on, and eggs were then bought of $a$ fancy on, and ealer here and in other places within fancy dealer here and in other places within
a range of six miles, therefore running no risk of breakage or exchange. Seventy eggs
were put under five hens. At the end of were put under five hens. At the end o Thirty-five chickens was the result. They
$\qquad$ maining in the shel
overtwenty-onedays
were weakly, and needed much care,
but we lost only one.
Commenced feeding Commenced
them
baked
bith
of $\begin{gathered}\text { cales } \\ \text { ondian }\end{gathered}$ maked of Indian
meal, pounded, with
the yoke of a hard
boiled boiled egg added
Fed that with wheat
screenin screenings, 2 weeks.
Then gave
them cracked corn and
oatmeal, or fino feed
scalded oatmeal, or fither with
scalded togethespon ful of lard
a teaspon a teaspoon ful of lard
to a pint of corn.
Give the pudding Give the puading
twice a day, and the
w heat screenings wheat screenings
twice. They had the
free run of a large Iree run of a large
grasseplot and plenty
of good water, and of good water, and
good light dirt to
roll and dust themselves in, which they
enjoy highly.
Our success with Our success with
the first settings encouraged us to try
again. We put all
the chickens under


 ons black and white only

 ${ }_{\text {OLD }}^{\text {Oid }}$

 laeveof a book. They should be thick and The third notched or uneven at the sides.
Tle of the ould grow from the mid.
dwo, be about the size of lengthened nut, and shaped like an sire of alar an
strawberry. A fouth, independent of these,
and about the size of a tare strawberry. A fourth, independent of these
and about the size of a tare, grows above the
beak and beiween the nostrils. Deaf Ears,




shall we begin with eggs or fowls. The question is often asked by those who are about to commence breeding the better sorts of poultry. The most desirable fowls
are always high priced; and to give from are always hor a single pair of birrds seems a
$\$ 20$ to $\$ 50$ for
pretty pretty large investment of capital. The eggs re cheaper though still dear in comparison
with market eggs. The question is a fair
ne and worth looking at. In starting one and worth looking at. In starting a
flock of pure bred turkeys, if we commence with eggs they will cost $\$ 12$ a dozen, at least,
if you can find a breeder who is willing to if you can find a breeder who is willing to
sell them. They have to go through the
and let the 3 we bought. Pat sixty eggs under them. killed four chickens came out. The hen half. One hen got tired of setting and left her eggs when her second twenty-one days ere out. We put the eggs under another
hen, but only got three chickens from fifteen eggs, but our average was the same as before.
some of them were very weak and we did some or in cotton and fed them with mill
them un bread crumbs until they conld stand and bread crumbs until they could stand
their own ground. Can'any breeder explain why some chickens come out bright and smart in twenty-one days, while others re-
main from twenty-four to forty-eight hours main from twenty-four to forty-eight hours
longer in the shell? It is a new idea to us. Tonger in the shel. .t is a new idea to us.
We have now sixty-four chicks. They grow
finely and seem perfectly healthy. They finely and seem perfectly healthy. They
require a good deal of care, but we hope require a good deal of care, but we hope
another winter to be repaid four-fold Iowo
for us in
Americans necessary $t$
practice at
it will no do it will no do
on both side on both side
wee do ont
sales, if the sales, if the
the English
markets. markets.
make the ne
and not ne
and
habit before
imagination habit before
imagination.
vanced in $f$

Mr Thos Mr. Thos.
reports the
use of bone
for farms within
eight acres o he sold as it
He put on
manure.

May, 1874.
DAIRY DEPARTMENT.
N. Dichey, Editor.

## coloring ceresse.

This is an entirely useless and expensive
habit, first introduced, we presume, for the purpose of deceiving customers, by giving customed to the use of cheese will prefer the colored to the uncolored, although much inamong consumers that the color is artificial. There is nothing in the coloring matter injurious, as it is the outside of the seed of a
tree called the Bisa prellum, but it is sometimes aldulterated with poisonous compounds
Besides the danger of the coloring matter Besides the danger of the coloring matter
containing poisonous substances, it is troublecontaining poisonous substances, it is troubleto the nutritive value of the cheese. In
some of the English markets pale cheese is some of the English markets pale cheese is
preferred, but in the majority the yellow. We have been speaking to some two or
three dairymen on the subject, and they three dairymen on the subject, and they
think it would be well if the practice was
'TFE H'ARMER'S ADVOOATH.

## To Advertisers.

 The Molsons Bank in this city has lettheir business be known through the columnof of this journal, and we are happy
to record the fact that wheres ite to record the fact that whereas its paid-up
capital was one million, it is now two milcapital was one milion, it is now two mi
lions; its rest was $\$ 00,000$ and now it is
$\$ 300,000$. No bank in this city has ever
po progressed so rapiinly.
THe Agriculturai has increased its legitimate and uninflated business in the most permanent manner, and
is doing one of the surest and safest busi nesses in the city. His money is in safe and reliable keeping who places his capital into
this institution this institution.
THE AGRICUI Company are doing a larger business with farmers than any other in this Dominion.-colum advertisements always appear in the
colums of this paper. Farmers, you may columns on correct business being, you may
done by
each of the above institutions. Stock sales that have taken. Stock sales that have taken plaee during
the past month have been most successful
to those whose to those whose advertisements hast suve appessared

We have noticed many reports of this va-
iety in our exchanges. One in aety in our exchanges. One in particular-
a clipping in the Canada farmer, last year, stating that it yielded fully three times as much as ordinary buckwheat.
We can supply a few bush We can supply a few bushels at the fol-
1owing rates: $\$ 2.50$ per bushel; $\$ 1.50 ; 1$ peck, $\$ 1$-bags included.
The farmers of the Province of Quebec are unting to eetabisish a combination sale of
blooded stock; many leading breeders are
sending stock sanding stock to it from long distances. The
sale is to take place at Montreal. The advertisement appears in this paper. We
suppose the managing committee will most suppose the managing committee will most
probably make arrangements with the R. R. Crobably make arrangements with the R. R.
Coduced rate. Werrons attending the sale at a
Wear, also, that a similar reduced rate. We hear, also, that a similar
sale is contemplated by the breeders west of sale is contemplated by the breeders west of
London. We have a few Short Horn bulls on our list to dispose of.
We have

FARMERS' CLUBE,
We notice with great satisfaction the in-
crease of these institutions in all parts of the
new fraits flowers, implements and stock.-1
They break up the dull routine of the farmert They break up the dumplements and atook.-
life, and are doine of the formers
life att athing to make farm









 Exxibition Cround beountini At Atriontural sacificed to itity purposes, and diti initer



the australian cattle scene.

| for us in Canada to stop it, unless the | Short Horns that took place during the past |
| :--- | :--- |
| Americans do the same, as it would injure |  | necessary to suggest the abolition of the practice at the Dairymen's Conventions, and it will no doubt be acted upon by dairymen

on both sides of the lines. If so acted upon we do not think any loss would accrue on
sales, if the reform was well advertised in sales, if the reform was well advertised in
the EEnglish markets and also at our home
We markets.
make the and not neecessary the effort throwithe oroper time, habit before it gets too deeply rooted in the
imagination. There can be nothing advanced in favor of its continuance, while
much can be advanced against it much can be advanced against it.

Use of Bone Dust
Mr. Thos. Evans, of London Township,
reports the following good effects from the use of bone dust:-On one of the poorest
farms within ten miles of London he raised eight acres of Western Corn last year, which he sold as it stood in she ground for $\$ 170$. He put on a mixture of bone dust and
manure.
month that might have been advertised in
local papers; but bayers were wanting, and
the prices paid were low, in fact some stock could not be sold. Our paper has the largest circulation

Silver-Hull Buckwheat. We quote the following description from
the Catalogue of B. K. Bliss \& Son: "This extraordinary variety, originated
abroad and carefully tested here for three years, is now offered as a great mprovement
upon the ordinary black or grey buck wheat. Sown at the same time as the common bucka few days sooner, and yields nearly or quite double under the same conditions.
"The grain is of a beautiful light grey
color, v vrying slightly in shade, and the corners are much less prominent than in the
ordinary variety, while the husk is thinner, thereby saving from 15 to 20 per cent. waste in the process of manufacturing into flour,
which flour is whiter and more nutritious."

States, and the provision they are making for
the entertainment of are eno well mananged in maral communuities. They
contribute a that they social and interlectual life of the people. They are taking thu place of ly ceums, and to some
extent of balls and fashionable parties. Their informal anid business character makes them
attractive to many who think they have no attractive to many who think they have no
time for visiting and social enjoyments. Pomology and floriculture receive a due share of to villagere, who have only fruit yard9, gardens and conservatorien. Indeed. the most the vills ge, and the winter meetings are 'held
tin in some public hall. Sometimes a course of
lectures is piven, which draws full houses fromi Rectures is given, which draws full h hases fromi
village and country. Often there are discus-
silo sions upon questions of practical intere:t.
which bring out the experience of the cultivators in the town. Exphibitions of fruit and flowers, and exchanges of grafts and seeds
and eggs are frequent adjuncts of the and eqgs are requent adjuncts of the e meet
ings, and not the east important of their ad-
vant vantages. The educating power of these
clubs is very great. They in many ways. They direct the attention to the best methods of husbandry. They serve
to economize time and labor, and introduce

## Australian Cattle Scene.

 Last month we presented our readers with an illustration of the Ashantee farmer till. with a pastoral scene from the youngest of the continents, as Australia has been some.times called. Fiom Ashantee to Austral. asia we take our good readers; but througheach other-science has boought us near England's Postal Serviee now girdles the thousand this great mail route of over ten thousand miles, girding the earth in about
fifty days, has been established after fe peated efforts. has been established after fe
Where the kangaroo lately
browsed. The ceenes presenter peatede. The scenes presented in our illus.
bration is such as to remind tration is such as to remind us of the lovely
scenes so familiar to us in the Island-Empire of Europe, with the stock of improved Eng.
lish blood. The progres of lish blood. The progress of civilization in
Australasia has been so rapid that "towns Australasia has been so rapid that "towns
and villages, dome and farm," are like simi-
lar lar objects of beauty in the old countries.
In Australasia, under the happy rule of BriIn Australasia, under the happy rule of Bri-
tain's Queen, there are six divisions with tain's Queen, there are six divisions with
populations ranging from 24,000 inhabitanta
up to 731,628 in Victoria.

THE HARMMER'S ADVOCATE
May, 1874

## TOCK \& DAIRY

 wing, more than any Enything else, to the per fect adaptation of locality and soil, and the Thisis s strikingly apparent in a description ofa Southdown farm devoted to Southo

 present occupant for 3 yearss; it is supplie reservoin. There are 20 cows kept tor milk, Large crops of grain and straw are grown in stalls. The flock, which number 300 enmes. For them large quant ties or roots,
tohl-rabi scarlet clover, rape
that and other green crops are grown; so
there is a constant succession of fresh feel
 these ropps and at The sitiation of the farm is
stubblefields.
The such that green crops are always
It is a gentle sloping chalk smooth expanes bordering upon the southern very equal climate witan green. No ewe pastures ever tresh and green. greo eare
over four years is retained, and
o is exercised in choosi.g There are no fences
ewes for breding. accompanies the flock at all times. Th male lambs are castrated fity of the best being reserved for rams 1 ior excellence, and rams from it are "Iet" for yearly sum of sover, acknowledged to be
 this onclusion is the most notable part
the whole story."-New York Tribune.
the barly management of lambs. The season of lambing is one requiring the he may assist the ewes that are not doing
well, and nurse the weak lambs that do not take kindly to the dam; when once the lam has suckede there is but little further danger anless it ibe at once, as is sometimes the case a little new milk with a trifle of white suga nd $a$ little water added, placed funsd of great value. The dam may also have a warr mash of oatmeal, or if this camhot be had, one mate or toon bran. Same milk enough for the lambs. In this case it is well to raise one or even two of these on cow's mike, asesse there are to farm animals so easily managed in this respect ans lambs. They soon learn to eateana
when killed. When the lambs are from five to eight
days old, they should be dooked tolerably short. It not olly yadds to the appearance
lut prevents the accumulation of filth, which dut prevents theececuminutio valuc. The ran lambs should never be allowed too get more
than two weels old defore they yer castrateol
the From
time. time lamb is caught by an assistant, and the the
operator, which is siminar smakes an incesion in the bottom of the scrotum large enough t allow the testicles to be passed through Separate one ana
cord by by a seraping stroke with a knife not
 hlood to to ow as when a clean eut is made.
Some persons jerk the whole testicle sumd
 sreat, degree, is unnecessarily cruel, and no tothe wound. $1 t$ is, as ${ }^{\text {trunule, unncecsssary }}$ When there is considerable blecding it may
We stopped by iniecting into the oritice, with be stopped by injecting into the oritice, wio
 necessary that lambs should be castrated
young, since they are
more " पuiet, fatten better, and make shyerior meat when killed and the ewes.

## $\left\lvert\, \begin{gathered}\text { From the weaning time until there is a full } \\ \text { supply of ress, the fook } \\ \text { fed dupon the best } h \text { fock should be be liberally }\end{gathered}\right.$ supply of grass, the flock should be liberally feni poon tras best hay, and not less than a pint of corn or, tetter, , meal per day; and if


 will naturally yent of hay, grain, and row
and furnish hall the watet and salt they need Sheep especially like to drink a littie and hieep especialy an inclosure that the lambs
ofte. Make
may enter, but which will keep out the ewes, su
lambs.

> кidney worms in hogs In regard to rubbing "pores" open one of
the insideo of a swines fore-legs, and then thiling them with lard, you ask," "What yood purpose is served by such a process?
pe say, I n nderstand that their seeretions me eay, 1 uncerstanit that neir sect with
are not wholl soluble in warer -ven with
tha addition of soap-a but that they may be the addition of soap- but that they may be
in ladd, or soft grese of any kind. In the
 withed soap, the two acting together as a a 21
vent better than either separately. It is the
 same wimpsibse to remove thesecretion with
almostimpossible
soap and water but if atter being washod, mixture of one part verdigris and ten parts
lard is rubbed in and the scabs
anll off in in few
 applicatic
nothing.
And now about feeding arsenic to hogs
Hogs, like dogs, vomit readily, and, there


 or a week. Uuder s.ach course the syste
beocomes arsencicer, just as a ater the use o small but repeated doses of calomel the sysi
tem becomes salivated. In the state of sali em becomes sumiluater. In the state of sal
vation or arsenicization, the tendency of the poisoned blood is to accumnlation in inflimed centres. When there are worms about
the kidneys, there the poisoned blood will go, and the kidney worm being one of the Sol
Iowest order of organization, has a light
hold of life, and very readily dies under even the leastst unfavorable conditions.
 warm countries. Soldiers in the South dur ing the war toll me it was rare to find a hog
not more or less effected. Probably it was that liability to disease woich took Mhem out
of the caterory of safe foot in all Mahomne

sugar beris for fattening swine Jonathan Talaott gives a statement in
the Boston Cultivectoto of an experiment per forned on a Suftiolk pig where sugar beets
were laryely employed for fattenng on boiled sugar beet, tops and roots, bega on the 16 lth of August, and was continuee
thrice a day until the first of of October, after thrice a day untithe irst on (ctober, and
which ground feed was given, onsisting
two punts of corn and one part of oats, thr two parts of orrin and one part of oats, thre
times a day , till the animal was slanghtere
the


 Which we perceive that the increase the last
of August, when feet on boilecl sugar beets was at the rate of two poonuls per day; the
same rate of nireress of the samee fooic con tinuen through september. When yed on
ground corn and oats, maice into cold slop, the griin for the next dirity day
than a pounl aud a lanf per lay
how disense is catser








## From a paper read by R. . . Hill, Esq., of

 MorrisvilleIn shape In shape, the Cotswold should have a
straighte flat back browl deep chest short

 profit. The fleeco should be tong and open,
soft and fine with a good lustre; they should soit and wooled all over with an even and
be well whoold
heavy fleee. have a
pink. No stock will better pay for good keeping
and care than thesessheer, butgreat oareshould je taken not to feed to hight No farmer
shonld let his flock get wet after it becomes
 Sy exposure, which shows itself in if spring.
If nature recovers, $i t$ is wis
wilh great
effort, and




 will pay for reeping as when kept they
will shear rom ten twelve pounds un-
washed wool. This wool ist
 gum, and will always bring from 15 to 20
cents per pound more than common wool. cents per pound more than oommon wool
There is a growing demand for a good There is a growing demana for a doil me that if there were many times as much
first quality of combing wool raised in this irst quality of combing wool rases in this as now. And I am confident that no. where can they grow a finer and higher
lustered combing wool than here in Vermont. Iustered come I say it is not best to tet them
And her get much wet before shearings as it is very
gmportant that combing wool should be open mportant that combing wool shoult be oope
and free from cost. These sheep are particu
They larlyadaptel to our small farms. They cannot
be Kept tin large flocks like fine wools, so we have no fears of competitions from Australia
or Texas, where one man with three or four
 aimate agrees with them; keep them
and they will pay no regard to the cold.
 greater profit than two thirds of it stockee
with cows. It takes about the same to kee with cows. It takes about the same to keep
six of these sheepas a oowt, qrade octswold
wether lambs are worth at weaning \$1
 This, srice payed for sixty of these lambs, cept three years and then sold, after deduct
ing the money invested with interest, will
 diriries of ten cows, atter deducting tie
nceessary expenses of care of the dairy, ove necessary expenses or care of the dairy, over
and lacove that of the heop.
a tock of sheep, half wethers, the rest ewes
 my own experience of six or eight yeass. This covers a period in which thousands of
heep should have been slaughtered for their sheep should have been slaughtered for their
pelts, while their pelts would scarcely pay pot s, wile their. pe.
for the slaughtering.
Great care should be taken in selecting

 buch should be kept in gool condition at
all times, and never alloweit to run with the Hock. The ewes should be in a thliriving condition
 griain mutil atter yenning; if hot very gool
one gill of oats a day. When intending to

 to the enntil the lamb is a weelk oll, and the | Increase $\begin{array}{l}\text { gralually } \\ \text { shorts anter yeaning }\end{array}$ |
| :--- | It is a very casy yatter to make the lambs

gain a pounula a day, lint it is much safer fo


 $\underset{\text { year. }}{\text { I wout }}$

## portant that they should be kept the firs

 I would not advise any farmer to have can take proper care of them. If he letsthem shirk for the thesel ves riom the time they an find a bear spot in the spring, till
hey cannot find one in the fall, ar as long sthey can live, he had better keep nothing at the poorest serubs, as they will take
the woods for shelter and take care of them-

 consequences. To show the tmportacee of
being careful I will jost mention a circum-tance:-Last fall some of my sheep were ne large fat lamb dropped dead. They
hould shonld never be trightenen, lier diven faster
than a walke The frist few years of my
keevin wheep Thost many by disease, but seeping sheep $I$ lost many by disease, but
or the last five years 1 have not lost over
ow
 dead in the pasture withon finding a cause.
For a number of yearst, hey have onotaveraged
when sheep one death a year in the spring, when sheep

To show the difierene between the Cots-
wold and the common coarse woold sheep. turn a small flock of each into a smanl pass ture of 50 acres and see the restl. The The
Cotswolds will find their way over perhaps cotswolds will find their way over perhaps just enoughi to get what they need. In the fast enoug are go fat they can hardly go
tall the
thave occasionally had one drop dead and I have occasionally had one drop dead
when c colld tind no other cause but over fatness. The other flock in the meantime
have travelled this lot over as often as ince a day, and if there is a gap in the fence they ni a a gap find it, and do not al ways stop to
 for a chase to get them in again. They
have kept in just good running order; they have not take on on half as much flesh as the
thers, and will not sell for more than two thers, and will not sell for more than twe same time they have consumed more feed.
I can handle my sheep as 1 can handle


 rive them half a mile to the house. The lambs should be taken from their mothersininguguti, and winter after they are three years old.
In the three she
In the threo shearings you will get from
25
to 30
Ibs. of well washed wool from
cach Shee. They will then weigh from 200 to
 have their first lambs when two years old;
the last one when four, and very early, so the last one when four, and very eary, so he ewes then put into good feed will get as
yon can wish with but litlle grain. These vill average 200 llss. or more. It is necessary that we should be constantly scarcity of heary mutton makess it always ine
tood demand and at a yood price, and the yood demanul and at a gool
demand is fast increasing.
hog cholera and cuithex cholera A friend who has spent the lasy year in
Canala, in the nearer and remote neighbor-
hool of toullon ont., tells me me clicken chol loon there is almost, if not quite unknown.
eret has farmed in Central llininois, aund is of
He has He he impression that the almost sole nse of
corn is the canse of chicken cholera. 1 find
cos.

 Lsss of the phosphate and more of the fatty
matter than any other of the cereals,
mat its the poents and itis the povertv of of corn in the the
first, and to the excess of it in the last, that myself and friend empiri iadlyy concluded
prooluces the cholera, as it is callect, in hogs and chickens. Wher eorn is soo common
and allundanat as or Illinionsis farms of every kind, it is impossille to prevent chickens
from seting ocrat nit will, and where they
 is no orcthre thanerations of ocrara fearding to
twrealk down the constitution so that the ex.
brem

May, 1874
THEF EARMMER'S ADVOCATE.
clusive use of this one grain bring cholera
apon imported races wlick have beeu
wise fer
 one fowl fancier who got together, spececimens
of half f dozen
oilferent breeds, and lost, in
 Towls, espeially Coccoins and Bral mans, suffie
as bady as baidy soon after arriving as home bred,
is, supposed due to the fact that Engish
ibeeders feed corr m meal, beceanse it it is not breeders feed corn, meal, because it is not
only the cheapest food, but makees the great
ost weight in the shot So tar, no remedy has be chicken or hog cholerasa, hand so sound foul
naturally conclude that none woul naturaule is a a that none would be, sinct
the trouble is adical defect in the consti tution and organization, duc to the too ex-
clusive if it were notior the cholorarapigs and chickens
are brad and fed in Centril such favorable conditions centinat ilinois both would

rimescorte agitcurutunia association.
Two Year Old Bccf.
At the meeting of the Kingsote Agricul
tural Association, on a discussion of the bes
 The present high price of butcher? mear
makesit an important coonsideration whether
the markets


 very well, was as follow,
 about twenty -two months old, when the
weigh 100 to 122 stone.
course



































 turned out to grass on the isth Mar, hay wever
of them grazed on grass till near 1 the 13 th 0 e tobr, at which date they were shut up in open
courts with conered boxes for their food


 letenhed
month.s.,

 answer. when it wooll not do to in other partse
For the future he intended io



 they bein to eat, to be fed with chaff, mixed
with hititte meal and cake. Att twelve week.
ld the




 old and will then do well until the atentann,
when, if int inded to he bronght out fat at tws Years old the y mut be tatall or box fod at witw
with
iltoral aliowance of meal and cake. No doult





















mhich drop lambs throngh the night in
fold, are effintith the next day.
we are preparet with




 oo fr.m night to day, and from day to night, as
ong that here are fiels enough to keep them "The great art of raising large fi cks of























нос сногевл






 Sivne suiulate digestion









 animal is not able to conseret into flesh and
fat.



ows fos the diatry In a paper read before the Northwestern
vairyments $A$ esocoiation Mr. Chester Hazen whily dinocosisisociation, kind of of hester Hazen,
able for the dairy, remarked:What is needed here in the Weat is the beat
cows we oan get; and if well fod and cared for






 grow too coarse and
milkers
mrieedis
rreding milking stock
If you wish to breed grade stock of any blood,
reeed from a full-looded bull. A grad on
 reeder.



 if twenty per cent, in favor of the emall cows.


The feeding value of a crop of roots is
shown by the practice of an Irish farmer, $W$. Bacon Jones, of Llisele oan, in the County of
Cork. He suys that with 50 or 60 nere roots he has lieen in the habit of fattening
200 shecep and more than thiry beeves be.
 (yearling evese) and 60 cows and 70 to 80 Ils, through a whacle winter. His method cutivation is as follows:-The sod is
plowed with a skimin plow, turning a furrow

 sed (Swele turni pry) is sown early in midges 28 inches apart, and the plants are thinnee
at 11 innhes anart in the drills. Yellow tur Inips are sown later and thinned to 12 inches,
and the whe white turnips sown still later are
and num the white turnips sown still later aro
thinimed to 10 inches. Whent and grass fol low the turnip crop. Upon the farm sugar
beets have been tried and found to yield
 amount to 40 bushels to the acre. - Michigans
Farmer.

 litlo friende ompmlail













210. When is wheat like a blunt knife? 211. What is the differen ze between furms Aggie Francis wants to be a niece. All


 ${ }_{\text {and }}^{\text {ani }}$




knein? M Mrumer definte nad known Though half of me is one, alone,
hidden places
214. From England to America I came. 215. Ma, pust go west on the Gran
216. You muter
218. Oht 217. Yesterday Mary landed here.
218. Oh! I owe you some money ${ }_{j}$,

Rosalind Harrison says she has been having
good time sugar-making, eating taffy and gisod time
My old friend, Lizzie Forbes, is again on
She enays she will do her best to mainhand. She says and nieces, althourg she acknowledges that the Quebec ones are real smart. 1 always ike te
receive a letter from Lizzie, because she write
 she evi lently takes
you again, Iizzie.

Maple Lodge, April 3rd, 1874.
Dear Uncle Tom,-
Will you allow me to be one of your nieces
I would be so delighted to have all those nice girls and boys for consins. I have been read ing my cousins letters. Some of them see
to think that big brothers are a humbug.
Well now, I dont for I have a big brothe Well, now, I don't, for I have a big brother,
and he is a big brother, and not the least bit of Agrige sen
to ord ones.


THE FAKMER'S ADVOCATE.
THE FARMHR'S ADVO A

 him. Will
tell me how sh
Good-bye
Your niece,
AGGIE S Gour niece,
AGGEE SMTH.
Sandes and antswer Newmarket, April 7th, 1874.
Dear Uncle Tom, What can I Id to be adopetidith your rargo







 Rmmat. Neloson Ihavi received. very nico eleter from Ess.

$$
\text { Oakland Farm, April 13th, } 1874 .
$$ Dear Uncle To I think it must have been a pretty, dull day

when Kitie took her picture. She's dreadwhen Kittie took her picture. She be that her
fully black in the face. It may be picture was taken very early in the morning
or they say that " "it is always darkest before for they say that iras this is "a cloud with
the dawn." But perhaps this
a silver lining." Your affectionate niece.
220. My whole of crurse you

A name to many dear;
Read carefully and can each word,
You'll find it written here.
221. How many animals can you make out
of this sentence:

SAMUEL Hammond.
harm.
222. Why does a cow look over a hill
Robert Renie.
223. In pring I look gyy dyy

In ammer nove dothing $I$ wear;
1throw of iuy colthes
And in winter uite
224. I have hat once cye, and


himpar cirives.
225. Abated is the wind, so Richard can ge 226. Yuu will have nice times I hope, 222. Grandpa risked his life cnce to save
Mine.
Matthew PAKINSoN.
228. My first is in slough but not in mire, My next is is in harp but not in lyre,
My third is in praise but not in greet,
My fourth is in rain but not in sleet, My fourth is in rand but not in lame,
My fifth is ins sund
My whole is a country of ancientame.
M. $P$.

Wawanosh, April 7th, 1874.
Dear Uncle Tom,--- of things to tell you.-
I've jnst a heap of
Brother Will has a little pup, a black and tan terrier. It often barks at an old cat thav
which is much larger than himself. The dog name is Frisk; my cat's name is Mag, and wo
have a big doom called Nep. Do you want to
take then all into your family ? My little brother was rocking baby, and suddenly calle out:" Ma! when I rock baby he puts his eyes
out." I remain your affectionate nepheve
WALTER J. AgNEW.
229. I am composed of eight letters : My $5,1,2,3$ is part of an anima',
My $5,7,8$ is a boys name, My $\quad$, 7,8 is a weight, My $6,7,8$ is a weight,
My $4,2,8$ is a liquor.

## decaptiations.

230. Behead 2 girl and leave to help. 230. Behead a girl and leave to help.
231. Behead a grain and leave warmth.
232. Behead an animal and leave a verb.
AMY Cource
233. Peas' pods in as pot, peas' pods cold peas' peds in a pot, nine days old. Spell than
MINNIE Rose. I have to
next time.

## ANSWERS TO APRUL PUZZLES,


eecause a "MIss is as good as a mile." 199.-
When it is aboutt strike 200 - His daughter.

Uncle Tom's Scrap Book.
Lillie Chester asks to be admitted into our family, and $I$ am so well pleased with her let
ter that $I$ admit her and her sister with great
ner pleasure. She speaks of her schoolmates be colum aud thin I well will be better anle to judge.
colt and a very good puzzle, which will appear nex
her c rrect address.
Here is one of Lillie's selections:
THE ORGIN or scamdar.
Said Mrs. A.
To Mrs. J.,
In quite a confidential way
That Mrs. B.
Takes too much something in her tea."
Then Mrs. J
Went straight away
nd told a friend the self-game day
nd told a friend the setr-g
",Twas sad to think (Here came a wink) The friend's disgust
Was such she must
nform a lady which she nu'ssed, That Mrs. B.
At half-past three
Was that far gone she couldn't see This lady we
Have mentio
 And at such news
Could scarcely choose
Che: needlework refuse Then Mrs. B.,

As you'll agree,
ite properly she sail, said she,
That she would track The scandal back
To those who made her look so black.

To Mrs. A.i.
Who then did say:
I no such thing could tever say; I said that you
Had stouter grew
much sugar, which you do,",

An Anxious Mother.-"- Ephraem, com yer 1nuddy, boy, whar you bin?"'",
" layin; wid de white folkes's chillun." "You is, eh? See hyar, chile, you'll broke
your old mudders heart, and bring her gre hairs in sorrow to de grave wid yer recklum-
ness an, carryings on wid ebil assoayshuns.
Habnt I raised you up in de way you should Hasht I rais,
Haght to go?"
"Yesgum"
"Habent T reezened wid you, and praye
"d yound and deplored wid you in his buzze
wid you, and deplored wid you in his buzzum?
"'Yessum,",
"An'inn"t I yer natuerl detector an' gardeen
fo de law?" fo' 'de law?",
"' esum."
"Well, den

 trash any mo'
had wid a
" $Y$ essum."
$\triangle$ CURE For love.
Twelve ounces of dislike; two ounces of re-
Tution; two ounces of the powder of experi ence; one quart of the cooling water of con sideration; a large spriy of thyme, Sweeten
with the sugar of forgeffulness; simmer them
, it
 spoon of melanchory, put with the cork of a
your heart, cork it down wiih the
bound conscience, and let it remain, and you
$\frac{\mathrm{My}}{\mathrm{My}}$
Eudies.

The above mentioned drugs are to be ob-
ained of understanding, next door to reason, in prudent street, in the thewnship of content-
in nent, in the county of stay-at-home,
ince of remembrance, tnd to be continued,
LIZZTE EukINGTON, Paris.

An original neighbor of old Rip Van
Winkle was said to be so went to hoe corn, he worked so slowlythan the
shade of his hroad-brimmed hat killed the
plants. An Irishman, on being told that anewly ne
invented stove would just save half his usual
fuel, replide: "Arrah, then, I'll have two, and uel, repied: Arral.
save it all, my jewel. A w.tty little Aberdeen boy, suffering from
the application of the birch, said. Forty
rods a ale said to be a furlong. I know better; rods are said to be a furlong. I know better
let any oue get such a plaguey whipping as
'Ive had, ,add helll find out that one rod makes an acher." Michafl Sterle.
A West India man who had a remarkably
fiery nose, was sleeping in his chair. A negrofiery nose, was sleepinz in his chair. A negro
boy whow was in waiting observed a masquito
Quashi eyed the in hovering about his face. Quashi eyed the in
sect attentively, and at last saw him alight o
at his master's nose and immediately fy of atagain.
"Ah!" exclaimed the ntgro, "me glad to see you burn your foot." ${ }^{\text {Nellie }}$ V. MoGANNon

How often can you repeat each of the fol-
lowing in one breath, without making a mis-1st.-Theophilus Thistle, the thistle sifter, 1st.- Theophilus
sifted a pek of unsifted thistles ; where is the
teck of unsifted thistles Theophilus Thistle, teck of unifted thistles
the thistle sifter, sifted?
2nd
Ouizi al quiz, kiss me quick. 3rd.-Three grey geese flew over three green
3rder

tdees ; grey were the geese and green were | $\substack{\text { hrd.- } \\ \text { hedges; grey } \\ \text { the hedges. }}$ |
| :--- |

a pobtical grammar.
Remember, though box
In the plural makes boxes,
The plural of ox
and rem
In the plural is fleeces,
That the plural of goose
Ien't gooses nor
Mouse. it it itrue,
In the plural is mise,
But the plural of house
In the plural is mice,
But the olural of hooues
Should be houses, not hice
alliteration.
Every English eagle eats eels eagerly ; each
Every
eel emits electricity.
Funy Fanny Fagan fairly fainted, fanning fat Frank Frost freely.


My Nicce, Margie C. Millar, send
to puzzles and the following scraps.
The Questov Selected.-Mr. Skillman
The The Question Selected.-Mr. Skillman
had just married a secoud wife. On the day
aiter the wedding Mr. Skillman remarked
 "I intend to enlarge my dairy," "You
mean our dairy, my dear." reppied Mrs
Skillmau. "No," quoth Mr. Skillman "I mean our dairy, my dear." rephed Mris.
Skillman. "No," quoth Mr. Mkillman. "I
intend to enlarge my dairy." Say our dairy. Skillman. enlarge my dairy." Sayy our dairy,
intend to
Mr. Skillman." "No, my dairy." "Say our Mr. Skillman." "No, my dairy. Say our
dairy, say you-" screamed she, seizing the
poker "My dairy! My dairy!" yelled the husband. "Our dairy! Our dairy!"'screeched he wife, emphasizing each word oyse. Mr.
on the back of her cringing spous. Mn pas-
Skillman retreated under the bed. In Sk the back or heated under the bed. In pas-
Skillman ret ander the bed-clothes his hat was brush-
ing und ing under the bed-clothes there under cover several minutes, waiting for a lall in the head out at the foot of the bed, much like a urtle from his shell. "What are you look-
ing for"' exclaimed the lady. "I am looking tor our hat, my dear," said he.

Clara L. Boake, sends the following scraps Derivation of Busse- Buss to kiss. Rebuss -to kiss age
each other.
the room.
An urchin not quite three years old, said to his sister, while munching a"piece of gingerbread
"Siss, take half of this cake to keep to after
"Lon, when noon, when I get cross." "This is nearly a
good as the story of the child who bellowed
from the top of the stairs, "Ma, Hannah won't from the top
pacify me!

[^0]May, 1874.
THE FARMHR'S ADVOOATE.

## Care must be taken, for it will destroy the flowers if touched.

 flowers if touched.No more at present.

Addie G. Bray.
Newtonville, April 3, 1874 A good house-wife is one of the first bless-
ings in the economy of life ; men puta araet value upon the hoosewife qualifications
of their partners after marriage, however of their partners aiter marriage, howeve
little they may weigh them before; and
there is nothing which tends more to marr the felicities of married life than a recklessness or want of knowledge in the new house--
keeper, of the duties which belong to her
station.
We admire beanty keeper, of the admire beanty, order, and
station. We and
system in everything, and we admire good system in everything, and we admire good
fart. If these are found in their dwellings,
and are seasoned with good nature and good sense, men will seek for their chief enjoyment, at home ; they will love their home and
heir partners, and strive to reciprocate the their partners, and strive to reciprocate the
kind offices of duty and affection. Mothers that stady the welfare of their daughters
will not fail to instract them into the quali-
fications of married life ; and the daughters fhat appreciate the value of these qualifica tions will not fail to acquire them.
Motier's CaKe. - 2 cups of sugar, 1 of
sour cream, $\frac{1}{2}$ cup of butter, 4 eggs, 2 of raisins ; sice.
Batrir Pudding.- 1 quart of sweet milk, 5 eggs, flour enough to make a thin batter,
bake half an hour, and serve with hot wine sauce.
$\underset{\text { Steam Puding. }-1}{ }$ cup of sour milk, 1 teaspoonful of cream-tartar, I half-teaspoon-
ful of soda, 2 eggs, 1 teaspoonful of salt;
make as thick as pancakes and make as thick as pancakes, and steam one
hour. Add whatever fruit you like.
Mrs. J. MoCulough.

Stephen, April I5, 1874.
Dear Minnie May,
As the Advocate is open to the farmers'
wives as well as to Uncle Tom's nephews and nieces, I think I mnst take up courage and contribute something to its columns. I
don't think I shall have a prize this time, but tirst must be first. I can give you some your readers:-
To Render
Itsh Firm.-Put a mall bit of a saltpetre with the salt into the
water in which it is boiled ; a guarter of an water in which it is boiled; a quarter of an
ounce will be sufficient for a gallon of water.

To fry trout
Clean and dry them in
Clean and dry them in a cloth; beat the
whiteso four or five eggs on a p plate, and
dip the trout first in the diipes the trout first in the egg and then in
fine bread crumbs ; fry to a ance brown and fine bread crumbs ; fry to a nice brown
serve with crisp parsley. Excellent!

Pare and slice half-a-dozen fine ripe
peaches, arrange them neatly in a dish,
strew sugar thickly over them, and pour on them two glasses of wine, or brandy, if pre-
ferred.
ferred. pickled onions.
For one quart of peeled onions take one
quart of pale white wine vinegar, add to it a desert spoonful of salt, one ounce of whole
white pepper, ; bring these quickly to a boil.
Take off the scum and put in the onions simmer them for two minutes ouly, turn them into clean stone jars, and when cold
tie a skin or two folls of thick paper over
them. tie a ski
them.
white currant jam
Boil together quickly for seven minutes
equal quantities of fine white currants, equal quantitics of eatest nicety, and of the
picked with the greate best sugar, pounded; stir the jam gently
the whole time, and be careful to skim itthoroughly. Just before it is taken from the fire, throw in the juice of one good lemon to four pounds of fruit.

##  derres a quarter poominot of clarified batte


 fifteen minate
with lemon,

With apound of flour mix well an equal
weight of boiled and finely pressed potatoes, a quarter pound of suet well minced, a teaspoonful of salt; make into a stiff batter with milk, tie in a wet or floured cloth, and
oil for one hour and ten minutes. томato catsur. To a half. bushel of ripe tomatoes, sealed ne pound of salt, quarter pound black pep-
ond
per, one vunce of African per, one unnce of African Cayenne, quarter
pound Allspice, one ounce cloves, one pound mustard, six good large onions, two pounds
brown sugar, and one handful of peachleaves. Boil these together for three hours,
stiring constantly to keep from burning When cool strain through a fine sieve, and bottle it for future use. It will improve by
keeping, and give zest to appetite even unider kepping, and give
the ribs of death.
Bla blackberry syrup.
Blackberry Syrup for Cholera Morbus :-
Two quarts high bush blackberry juice, oue
pound loaf sugar pound loaf sugar, a hacf-ounce nutmeg, $\ddagger$
ounce cloves, $\frac{1}{2}$ ounce cinnamon ounce cloves, $\frac{1}{2}$ ounce cinnamon, $\frac{1}{2}$ ounce
allspice, pulverize the spice and boil all 15
minutes; when cold add 1 pint brandy. to black a beicy hearte
Mix a portion of blacklead with a little soft soap and water ; boil and apply with a
brush. brush.
Stephen. April 15, 1874.
Dear Minnir May,-As to the principles of cooking, I think almost any woman can
cook if she has the wherewith to cook with; to cook economically is an art, and to save in cooking is what everyone should learn. money wasted in the kitchen, than anywhere
else. Many a hard working man has his else. Many a hard working man has his
substance wasted in the kitchen; and it is substance wasted in the kitchen; and it is
not so much that we earn as what we have
that makes us well not so makes us well off. While some put
that mates,
dimes into pies and cakes, others only put dimes into pies and cakes, others only put
cents, and the cent dishes arethe healthiest, cents, a few plain and cheap receipts by which
Jennie Jones might profit, perhaps won't be out of place. It is every woman's duty to
make the most of what she has intrusted to her. We are commanded to gather up the fragments, that nothing be lost.
A NICE PLAIN TFA CAKE.
4 eggs, 2 cups nice brown sugar, 1 tea
spoonful soda 3 cups sour milk, 1 cupmelted lard or half butter, half a grated nutmeg. Sift in flour, sufficient to make such a con sistence that it will
when lifted upon it.

1 egg, 1 cup sugar, $\frac{1}{2}$ cup lard or bntter,
1 cup sweet milk, 1 teaspoonful soula, 1 tea1 cup sweet milk, 1 teaspoonful sola, 1 tea
spoonful cream of tartar. Flavor with lemon spoontul cream of tartar. Havor with emon
or spice. Use flour sufficient to make the proper consistence
to see its beauty.
than pork gravy, and nice with all kinds of vegetables.
a nice plain grav
Peel and slice a few onions and boil in 3
pints of water until done; add salt to suite phe taste; then mix a tablespoonful of flour
tith a few spoonfuls of milk, and stir into with a few spoonfuls of milk, and stir int
the gravy; add a small piece of butter.

Take a dry piece of bread and put it in
cold water until soft, then press out th water and break it up fine, and enough to
put in a 4 quart dish; put in 3 eggs, a little poda, sugar to taste and 4 pound of currants;
por a little spice and milk enough to fill the
dish bake 2 hours. Pieces of bread, that If Mre into nice puddings. If Mrs. McIntosh will use the Pain King stock, she will find it a very good thing to stop pain and decay in teeth, as I have trie
it and know it to be the best thing, and if the teeth are hollow put pulverized salt
petre into them when they are painful.

Dear Minnie May,-
I have long beco
I have long been intending to write you
again, but somehow one thing or another
Would turn up that $I$ could not get at it, lout
$I$ will endearor to be more mindful in fu
ture. Here is a cheap and simple cake,
which I will call

Jennie's cake. One cup buttermilk, half a tear spoon soda, cup and a half of flour; sprinkle a few curA little lemon timproves it, or it is nice with a small tablespoon of ginger, or a cup of make twe or three sekinds of cake.
mayrats.
burnside pudding.
just you are caught by company coming take a half dozen or so sodad biscuits; pour boiling water over them to cover them; 1 let
them stand till ready to serve dessen; help out a biscuit to each, we dith some sort ; theam
and sugar over, and if you wih and sugar over, and if you wish, and have it
to spare, a teaspoon of nice jelly. It makes a delicious dessert, and is so easy to makes.
The steam cooked biscuits do not soak well.

Here is another nice pudding :
Two cups flour, one of sugar, one of milk; tartar, one egg. Beat all together, and add one teaspoon soda. Flavor with lemon.-
Bake one hour, in a moderate oven. with cream or sauce.
variety cakr

One oup and a half of sugar, two cups
and a half of flour, half cup of butter hasf cup sweet milk, three eggs, one teaspoon cup sweet milk, three eggs, one teaspoon
cream tartar, half teaspoon soda, a little
salt. This will do as a loaf cake, in which salt. This will do as a loaf cake, in which
case it improves it to flavor with lemon or rose-water, and ice it ; or you make it into
patty cakes, sticking two or three currant on the top, or you may bake it on flat tins
for jelly cake.

In making cookies or other flat cakes, it
improves their appearance very much to improves their appearance very much to
make a whip with the white of one egg beaten up, with a scant tablespoon of white When thoin a few raisins in a little water. of the whip in the centre of each cake, and lay a raisin on top; return to a cool oven to
set.

Stanley, A pril 15th, 187 . Dear Jennie Jones, Your letter moved my sympathy, for I
too have frequently felt as you did. me try, if I can, to cheer you up a little, Are you not looking down too much on your
work as something degrading? Do not allow york as something degrading? Do not allow
rather as the duthis view of it ; look on it rather as the duty God has given you to do
for Him. In this light the most menial service is ennobling, because done for Him.-
"The trivial round the common
Shall furnish all we ought to ask,
Room to deny ourselvest
Room to deny ourselves-a road
To bring us daily nearer God."
Then, too, do not make yourself a slave to your work. I mean by making yourself
more work than is necessary. By all means
let neals, but do not give them puddings that take three hours to make. Give them simple wholesome. If you have apples you can make a great variety of nice dishes with very thtle labor. Do not give them many fine
things at once, but distribute them through the days. Another great economy of time is o have your work for the day all arranged
beforehand in your herd. Let the different eavy departments of work
nt days, in rggular routine.
come on differ-
Have every aty done in its proper time. By attention
o the planning of one's work, one may gain an hour or two for reading or otherwise im.
 of sight and sound of everything that can
noy the mind by reminding it of petty ares, unless you are like.a girl I once knew, hose admiration of a lovely green field was nice bleaching ground! There is nothing
like the fresh open air for dispelling the "blues" and raising the spirits. Dear Jennie, do not despond; ( let your thoughts fre-
quently rise to that better land where there quently rise to that better land where there
is no more weariness. is no more weariness.
Yours s.


## Hetcrimary.

the pavger of catarrh. From the fact that most people are in the
habit of looking on catarrh in the horse as a very trifing effection, and consequently agencies, the following remarks are made to show the necessity of checking in due course
the discharge of mucous from the nostrils the discharge of mucous from the nostrils its sequels, farcy and glanders, are caused by a continuation of catarrhal discharge in
the horse whose system is already vitiated
by disease. The discharye in the early stage by disease. The discharge in the early stage
of the disease is of a whitish and flaky character, and free from smell; is very
irregular in quantity, but as the disease progresses the discharge increases and is of at
very offensive odur. As the mucous continvery offensive odur. As the mucous contin-
ues to tlow over the surface of the very
sensitive membrane of the nose, it, in its sensitive membrane of the nose, it, in its
turn, adds to the irritation and tends more and more to increase the virulence and in-
flammation, until in process of time, ulcera. tion is the consequence, when the lymphatics
partake of the irritation and the glands be partake of the irritation and the glands be-
come effected with the poison. We somecome effected with the poison.
times find it manifests extreme resime-
and obstinacy to treatment; it will for a time and obstinacy to treatment; it will for a time
combat any and all remedies we can bring to bear against it. As the disease advances, the glands under the tongue increase in size, the patient is troubled with a cough, he bedistress. the discharge becomes purulent in its chas cter and acquires a tenacity and clings like Glue about the hairs that fringe the nostrils. healthy in appearance, small straw-colored stars (these are undeveloped ulcers or chancres) present themselves. The animal, snuffing, foretells the scabby state high up
in his head, and the swelling about the lips in his head, and the swelling about the lips
and nostrils will indisputedly proclaim that
farc os well farcy as woll as glanders has supervened, The disease may assume this character in a week or ten days, or it may be three months, after the attack o
As remedial agencies in nasal glect and
arcy our greatest hope must rest in sulphates of copper and iron, cleanliness, tood food
and fresh air. In all cases where there is discharge from the nose--the result of a cold-the horse should receiveextra attention and have the throut blistered or bathed
daily with strong stimulating liniment. - Western Farm Journal.

The most complete check upon robbing bees
is to place a buncco of grass or wet hay over
th enter th entrance to the hive. The bees will find
their way to the entran'e to their own hive their way tore wil be caught ty the sentinels
and the robbers
in pasing through the grass, and soon cea e

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I Por. dozen.
I have spare
I have spared neither trouble nor expense
in procuring the best fowls to in procuring the best owg pure and fresh and
will garantee the eggs packed in the most careful manner.
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 anuary, from nine varieties shown I was
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anmpetition ever known in America.
 or one before ordering elsewhere. Eggs not hatch Also. a fem pairs of Fine Birds to part with yet
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deocosed policy holders since the formation of th
Corapany. The tollowing are among the advan-





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\text { Capital } \overline{\operatorname{lst} J} \text { an., } 1871 .
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$\mathscr{\$} 231,24225$.
Cash and Cash Items, \$72,289 55. CIS COMP ANY ountinues to grow in the publio
confidence. On ist January, 1871 , it had in force 34,528 POLICIES, Having, during the year 1870 , iss
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ung
Ing Policies.

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tle and Cots R. S. O'NE
Sheep and Sh J. S. SMIT

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| :---: |
| ship, Breede | G. WELD

Sheep. | GEO. JA |
| :---: |
| Breeder of |
| A | $\underset{\substack{\text { in Canadian } \\ \text { good Horses }}}{\mathrm{JILLI}}$

 $\underset{\substack{\text { N. BETH } \\ \text { Horns, Berl } \\ \text { and Leicest }}}{\text { Hes. }}$ DAWS \&
Breeders of J. PINKH
catle. WALTER
hortHorns JOHN CR
Heavy Drau $\underset{\text { Wold, Leiciest }}{\text { RIO }}$ W. LANG
and Berkshi
A. PARE J. FEATH
Suffolk, and
 $\frac{\text { and Berrks } \mathrm{sin}}{\text { JAMES I }}$ JAMES
$\begin{gathered}\text { Breder of } \\ \text { Berkghire } P\end{gathered}$ GEORGE
and breeder JoHN SCC THODS
Breoder of
Yorkshire a

May， 1874
THE EARMER＇S ADVOCATE．

BREEDERS DIRECTORY．
$\underset{t}{\text { WrLLLAM TASTER．Breader of Durham Cat }}$ to and Cotswola and Leiesester Sheep．
 J．S．SMITH，Megillirray，Breeder of Lieiestor
Sheep and Durham Catte，dilsa Craig． JOHN EEDY，Granton P．O．London Town－
ship，Breeder of Lieioster and Cols Shleep． $\begin{gathered}\text { f．WELDRICK，Thornhill，Breeder of Cotsswold } \\ \text { silu }\end{gathered}$ $\xrightarrow[\text { GRO．JARDINE．Hamilton，Importer and }]{\text { Greeder of Ayrshire Cattle and LLeicester Sheep．} 11}$



 and Leicester
 J．PINNKHAM，Westminster，Breder of Devo

 RIOHARD RUNELSON，Galt，Broeder of Cots－
mold，Leiecester，and Southownsbeep． W．LANG，St．Mary＇s，Breeder of Short Horns
ins
and Berksbire Pigs． A．PARK，Ingersoll，breeder of Ayrshire cattle．


 GEORGE G．MANN，Bommanille，Importor

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 | R．LEAN，Coldsprings，Breeder of Leicester |
| :---: |
| Shoop and Berkshire Pigs． |
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Catile．
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the Prine of Walesprize for the best bill and ife
of his Calves at Provincial Exhibition，Kingston
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Cotswold and Southown Sheep，and Berkshire
 JAMES
$\begin{gathered}\text { Breeder of } \\ \text { Essea } \\ \text { Oigs．}\end{gathered}$
Sow hort－Horns J R．HUNTER，Alma，Breeder and Importer
of Short Horn Catle．
11－7
 Catalogues A．WHITMEEV，Montreal．P．Q．．Canada． THREE YEAR OLD AYRRSIRE BULL FOR JoHN EEDY，Granton P．O．，Biddulph Township
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Cattle． EDW．JEFFS，Bond Head，Breeder of Shor
Horns，Leicester
White Pigs．

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Iorse



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See article on page 68. Here is what the introducer says of it:-"These peas have recently been brought to this auntry from Jopan, and prove to be the finest pea known for table use, or for stock; they grow in the form of a bush,
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