# Farmer's Advocate. 

VOL. X. | $\left\{\begin{array}{c}\text { WILLAMM Werd } \\ \text { Editor \& } \& \text { Proprictor. }\end{array}\right\} \quad$ LONDON, |
| :---: |

## The Government Farm.

 We paid another visit to this establishment inAugust. We found the flower department had been better attended to. Vegetables were in alundance. The crops of turnips and barley were good. W might speak in high praise of the crops, but we should err if we said that we noticed anything in the management su
hundreds of farms.
omewhere. The profits to the mismanagement arther in the future than our spectacles will allo us to penetrate at present. Good may result in some future day and under some different management. The crop of turnips raised is about 30 acres hey promised a fine crop and were well cultivated There is not stock enough'to consume onc-t teyth of vegetables. We fail to see such great improve ment as some can. We do not consider that the purchasing of stock at $\$ 1000$ per heal or npwarls, to consume the crop of turnips, would be to the advantage of the farmers, or will ever pay the farmers for the sum we shall have to pay for them. The buildings that cost so much are now considered totally worthless ; in fact, one of the principal officials informed us that it would have been better if they had none on the premises. As it is, they
are about to pull down strong, substantially-luilt buildings, and are erecting and altering others. Were we to fully explain all things in regard to it, we should be thought touching on poli tical questions ; this we avoid, and merely guote the words of one of the most practical and bes farmers in Wellington, who has had a good op portunity of watching and noticing the expendi tures.
He said: "If the farmers of Canada knew what the country.
the bohemian or hulless oats.
This was the only new cereal, plant or shrub we saw growing on the Government Farm. Se give the following illustration of it, having sent a hea oat is that it grows in clusters, having from single oat to five oats in a cluster, and also in not When we first hearl of these oats we thought them a humbug; we would not purchase any, or have anything to do with them, as we had been humbugged so many times by wheat, corn, plants, etc.; this made us shy. The only price these oats could be obtained at was $\$ 10$ per bushol; the parties owning the stock would not sell for less. The Giov ermment paid $\$ 10$ per bushel fir then. Nie crol looked well,
other oats.
Now, for the information of the farming com
munity and the conntry sencrally, we resspectfully ask the Minister of Agriculture or any of the employes of the Government to furnish ns with information regarling them. We will give you thei report as soon as we receive it. We think it benents are to be derivel, we shomid at once bic profit or loss to the country.
We believe if the Govermment sets the example and uses more oatmeal porrilge in this institution and at their own private talbes, the inh halitimuts,
Canada would be improved in health and vigor by

Following it, as nearly all doctors consider our prizes for the best red and best white varieties. wheaten flour less suitable for food than oatmeal or prizes for the best red and hest white varieties.
We therefore suggest that there should be a better coarser diet. If farmers can rise their own oat neal, worme tories it would be a decided advantage, especially in newly or sparsely settled parts of the Dominion, and in localities where wheat does not thrive as well as oats. We hope to have the Gevernment report of this cereal, and to hear from_those who have 'had direct experience with it.


Agricultural Exhibition at Guelph.
We paid a visit to this Exhibition on Wednes lay, the loth inst. The Lximsiorelitable to the was a very good one, and yigh department was well representect.
ell represente
The exhibitors were nearly all local, very few heing the east, west or south. The harvest keep many away that would otherwise have attended. The Guelph Exhilition takes place ton early; if it were a month later, we belneve there would be a much larger attendance
We have space to enmerate the good quali hics of the many fin the the apprectate the merits of artment, these exhilitions must le seen. Farmers and their families should ly all means ${ }^{\circ}{ }^{\prime \prime}$, $t_{0}$ some one or more each year, to notice what improvements are male, to chat with their friends and gain profit and information they wish; to notice any new improvements mate implements, to nimy new whe seots, notice any marken mprovements in oreels of pir rtance. When examming the almired the classifica tion of the turnips; but it is a matter for surprise that while the prizes were awardel to the numerous different varieties, our great stap, classification of wheat.

Wheat and other cereals are of very great importance to our country. New varieties are continually needed, as from some canse or other, wheat in particular, after having been grown for a series of years, yields much less and becomes unremunera. tive The prizes offered for grain we believe require revising; encouragement might be given to persons who introduce new varieties, and the old system gives prizes for the best red or white wheats. The Diehl whea has been the wariety and carried off more prizes inaun any other the farm
We believe this has acted injuriously to the ers; it has given that wheat a much higher position than it deserves, as it makes but a very inferio quality of flour, being of a weak, chalky nature and containing much less gluten or saccharine mat ter than is contained in many other yarieties Would it not be judicious to award prizes to the
different varieties of wheat? Prizes are awarded different varieties of wheat horses, cattle, sheep swine and poultry, and is not wheat of as much importance to our country as any of the above stock? Perhaps the directors of the Provincial and other Exhibitions might add to their interes and to the wealth of the country by giving prizes to all good varieties of wheat, as some variecios re best alapted to light soils, others to heavy chay soils; some are alry bat soue to the southern The present system has excluded the Treadwell wheat from being able to take a prize; as it is an amber wheat, it could not compete against the red or white wheats. This wheat has been found as valuable to the country as the wheats that have carried off the prizes at exhibitions, The Red Fern wheat being a small grain, but of good qua. lity, does not compare in size with the grain of the
Rio (irande; the size of the grain generally draws more attention than the quality. In stock, the Merino and Leicester sheep should not be jndged in the classes of the Lincoln and Cotswold; the Alderneys and Ayrshires are not classed with the Durhams and Galloways. There are just as distinct varieties of wheat and other cereals as there are of breeds of stock, and our cereals are as im portant to the country as our stock.
Mr. J. Anderson, the ex-President of the Guelph Exhilition, showed us some of the Bo hemian oats he haichaised. 1 bushels of clean oats, weighing 50 llss . to the bushel. He says it re yuires three-fourths of a bushel of seed for one acre; he measurell one acre and found he hal 42 bushels-this of real meal, such as it would require almut four bushels of the common oats to make. He infurnus us that the farmers owning this variety of wits have combined to maintain an equal price, hich is at present s.0 per bushel, none are to sed wourse these high prices cannot stand very long, as they increase so rapidly. He speake in very high terms of the variety, although he does not altogether believe in the high price charged.

We do not purpose offering these oats for sale.
A subscriber semls us by registered letter from Napanee, $\$ 1$, without any name. Who is he? Give date of mailing, \&c.


## The Potato.

the value as a farm crop-its
Value of the Potato as a Crop.
Now, when the potato erop of the season is matured and generally saved, it is well to give some consideration to it. It was throughont the season and threatened by the old diseases and by some little known. The potato crop is a valuable one to the farmer, and it is an expensive one. It domands no little of his care and labor. Plowing and re plowing, harrowing, drilling, planting, cultivating, taking up and storing, with seed and manure (whet mood sum to be placed on the debit side in the farm ledger. But after all it has been a remunerative crop. Shrewd, practical men have for years con-
tinued its cultivation, and they would not hav tinued its cultivation, and they would not have
done soif they did not find it profitable. No othe crop on the farm has given so large a cash return as the potato. This can be seen at a glance. The produce of an acre of potatoes is worth from $\$ 60$ to $\$ 80$ (the estimate is for good yield, but such as can
be easily obtained, and at the ordinary market prise of the last few years.) It must be a good acre of wheat, and be sold at a good price, that will bring nearly that amount- 25 bushels of wheat at $\$ 1.25$ per bushel, amounts to $\$ 31.25$. Barley this season has paid $\$ 30$ per acre $=40$ bushels at 75 cts. per bushel. From these figures we see at once the great comparative value of the potato crop. The expenses atcencen are not necessarily losses Another profit of this crop is the good condition of the ground on which it has been grown, for succeeding crops. The summer fallowing (for such the cultivation of potatoes is) frees the ground from weeds, and exposes it to the fertilizing influ ence of the atmosphere. This is the case with all root crops in a greater or less degree. Some call them impoverishing, but the heavy grain crops that we have had the fllowing year, and succer ing them the
the reverse.

Diseases of the Potato.
Let us confine our observation to the diseases of late years, and princlpally to that one that from ravages, is know as the Potato Disease. Its origin is doubtless owing to the degeneracy of the potato. A dry, bracing climate, such as that of Canada, generally wards off its attacks. It is always most destructive where the atmosphere is murky and loweriug. The more luxuriant the vegetation, the mere liable is the potato to be destroyed by the disease. But there were ats appearance. The disease originates not from the condition of the atmosphere; it would be powerless to produce the disease if there were not already a predisposition to disease in the plant or tuber. The seeds of disease are often present unseen, and, it may be, unsuspected, till developed by some adventitious circumstances. While plants of every species are capable of improvement by cultivation, the improvement may be at the expense of their vital powers. Fungus, orte cause of the potato disease, would not have such an effect if the potato had not degenerated. Though Canada does not suffer so much from the potato disease as the more humid countries of Europe, we are not exempt from it. Even this year there was danger of it for a few days, and in parts of the Dominion it has done much injury. We can use means by which we can
very considerably, by selection of warm, dry soil
as much as possible. Let no stagnant water lie on as much as possible. Let no stagnant water applied
the surface or beneath it. If manure be and for the crop, let it be well decomposed. It would be better to plow it into the ground in the fall. It is better still to plant on a good fertile soil without manure. An application of lime to the soil would do good service. Plant early. Late crops alway uffer most. If the disease come, the nearer to maturity the potatoes are the less injury it wil cause. Select the disease. There is a great difference in the several varietles in this respect. The writer had potatoes entirely rotted by it a few yeara since, while he had other varieties beside them very slightly affected. Do not plant so close as to prevent the plants having abundant air and sunshine. This is very important, and it will not lessen the yield. Of all the means for guarding against it, none is more important than the selection and preparation of the ground. Deep plowing sil will retain the water too near the roots of the soil will
plant.
$\stackrel{\text { plant. }}{A}$
New Disease Affecting American Potatoes in England.
In a recent number of the Advocate we gave an ccount of this disease.
At seems as if it were the Curl, by later writers ease, though now prevailing to a greater extent. We were well acquainted with it in our agricultural pursuits. The plant ceases growing as luxariantly as before the disease developes itself. The leaves curl, and the tubers, as well as the plants, cease growing and are never worth anything. Ash leaved Kidneys and Bangors, choice early varieties, we knew to be especially subject to it. The pota toes from the curled plants for seed. As a remedy for it we planted in mory soil the potatoes designed for raising seed potatoes, and did not apply manure. The disease we concluded to be the result of forcing, thereby weakening the reproducing powers of the potato. The remedial measure we used had the desired effect. Further information leads us to think the first reports were exaggerated
Insect Enemies of the Potato.

Of these enemies the potato beetle has proved to be the most destructive and to have added more to the farmer's labors than all others. They are so well known and the means for their destruction so
familiar to all, that we have no occasion to dwell familiar to all, that we have no occasion to dwell
on the subject. Paris green is the only effectual on the suy yet applied. Lime, wood ashes, coal ashes and other substances have been tried as re medies, but have failed. Though the bugs may leave for a time after their application, they soon return as vigorous and voracious as ever. Vege table poisons seem to have no power to injure them
they have been seen feasting on the deadly henthey have been seen feasting on the deal in hen green or otherwise prepared, must, as far as yet known, be applied.
Another insect has been making havoc with the potato crop in the Western States, It is a flea
bectle, of the same family as that which preys on the cucumber and turnip, and is not unknown to gardeners here. It is very injurious to cucumber vines, eating the leaves in small holes, and not ceasing till the only thing left of the leaves is the
bared vein. The skeleton left cannot perform the function of the leaves, and the plant dies. This year they have infested the potato vines, and in such vast numbers as to endanger the growth of
the crop. The means used for destroying the po tato buy are equally effective when applied to th flea beetle, and the remedies used ly garleners for
he preservation of their cucumber vines will be of good service against this enemy to the potato. prinkling the leaves with dry slaked lime, plaster or coal ashes has been found an effectual remedy, and lime will be still more effectual if carbolic acid be dissolved in the water with which the lime is laked. That they have not before now been a in a great measure to the aid of our good friends the birds, that prey upon the young insects, and thus prevent their rapid increase. Were this destruction of the young of insects at any time to cease, our labors for the preservation of our crops would increase many fold, and the produce of our fields and gardens be obtained only after incessant contests with our insect enemies. Every day brings us additional proof of the policy of protect ing our trees for their dwellings and the shelter our grounds.

## Pruning Gooseberry and Curran

 Bushes.The first consideration is - When are we to prune gooseberry bushes? We have for some years pruned is the fall, and we are satisfied with the re. sult. Spring pruning is recommended by many, time been successful in having abundant crops of large, luscious fruit, we think this doubtful method is proved to ns by an experience of years. W transplanted now will commence bearing next sum mer. Every year we propagate a few young bushes that we may plant in place of any that showed symptoms of failing in the fruiting season. The object of pruning is to obtain young bearing wood and to have none but such as is young and vigorous, as young trees and young bearing branches bear larger and richer fruit than old trees and old branches. By pruning out the old wood we have ing. This is our object of pruning-it is but one ing. This is our object of pruning-it is but one.
A free circulation of air and easy access to heat and light are essential to the growth of good fruit. If bushes be suffered to grow unpruned, the branches will be so crowded as to deprive the inner branches of this atmospheric influence. Not a ray of sunshine nor a breath of free air can find a way into the heart of the bush. The objects, then, of ar pruning are to obtain young bearing wood, and hat this wood may hence we learn how to pune Cut out old wood, but not indiscriminately. It would not do to leave no branches but such as are of this year's growth. The shoots that are left should be evenly distributed, and not so crowded as to prevent the due expansion of the leaf and the growth to largest size of the berries, with their earlier ripening. Keeping the bushes pruned to a ugle stem is not suitable to Canada. In the noist climate of Britain we found it the better ay; but here in Canada hat tree shape soil that e needel in our hot summers. This shade is not t all inconsistent with the pruning we have reommended. In pruning we must bear in mind the necessity of shade for the root as well as of uninterrupted air and sunshine for leaves and fruit. While the demand for currants has been contantly increasing, they are becoming scarcer in our markets and the price higher. This is the case specially with the black currant, which is now etter appreciated than herecoore. No grow good bor, but not more than the fruit is worth many fold. The currant flea and currant worm have now to le contended with; but nothing worth possessing is to be had without striving for it , and we can

Oct., 1875
by $\approx$ little care an fruit from their in hose who will n lected they will less on the owne nually, manured we have found a pring of great cessary for gooseb
Heavily covering he heat of summ ive of the milder uperior varieties

The ug. 27 th, report n a fog she came in the Straits of ber. The Strait severity of last w out their entire 1 out their entire
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country; to this testimony, and a source of pro
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hope for a rap seeding crop.

We have hai of extirpating clover, etc., a
bare fallow, an ject of fallowi attention amor
to the subject, fallowing in co griculture, er our readers, $n$
til very lately deemed necess
by wittle care and expertness, protect our small
fruit from their insect enemies. fruit from their insect enemies. But we advise
those who will not take the pains to cultivate their fruit gardens properly to grub them at once. Ne glected they will be but an eye-sore and entail loss on the owner. They should be pruned an nually, manured in the fall with good compost, and we have found a top dressing of coal ashes in the pring of great advantage. Mulching is more ne Heavily corering the ground about the roots during he heat of summer is said to be a good preventative of the mildew that prevents our growing the superior varieties of English gooseberries.

## The Rains of $18 \%$

The steamship Moravian, from Londonderry, Aug. 27th, reported on her arrival at Quebec that
in a fog she came into contact with a large iceberg in the Straits of Belle Isle, on the 2nd of September. The Straits exhibited proof of the unusua severity of last winter in the very great number of out their entire length. The unusual rainfall of the season, extending over the whole continent, is attributed to the presence of those enormous fields of ice drifting from the Arctic seas to the Atlantic, freed, probably, from their winter confinement by a milder season than is usnal in those regions. These icebergs, drifting with the current into more sonthern latitudes, have been rapidly thawing, and
the vapors ascending from them and attracted landward, have fallen in the abundant rains that have generally been so beneficial to the farmer, though in places it has swelled the rivulets into torrents that in resistless force have devastated many fertile valleys, sweeping away the crops and honses of thousands, aud in not a few instances causing loss of life, as well as property. It is thought the rain may continue some time longe, our shores, and we need not expect unbroken fair weather till the icebergs have all melted or drifted farther north.
To the same cause is attributed the cool, pleasant weather that has made the summer of ' 75 so very enjoyable. The season, though far from being as humid, has resembled somewhat our old country summers, at least the dryest and clearest of them Though the harvest has hoen, for canata, a we done to the crops. Barley and oats are reportei to be darkened in color in some places, and noth ing more. The rain has been a blessing to the country; to this our granaries and root crops bea testimony, and to the dairy especially it has been a source of profit. Nor are its alvantages yc over. The springs are full. The soil is in much better condition for the fall crop. To use a farm er's expression-there is blool in the soil. , wh seed, and this is in itself a good omen for the suc ceeding crop.

## Summer Fallows.

We have had many queries as to the best mod of extirpating such annuals as wild mustard, wil he fallow and some half falluw g sor ject of fallowing is by this means causing no littl to the subject, first, of bare fallows, and then fallowing in comnection with grass crops.
Among the many changes and improvements i agriculture, even within the memory of many of our readers, not the least is in bare fallows. Un-
til very lately, a summer fallow was gencrally til very lately, a summer fallow was gencrally
deemed necessary to the production of a good crop of wheat. If the root crop, when there was one
in the farm rotation, was stored in good season,
all wheat usually followed, but neither a larg yield nor good quality was expected from any but the fallow ground. In the state of agriculture then praotised, it was a necessary part of the system, but it has now given place to a half fallow (called by some pin-fallow), a change connected with the other great changes in agriculture. The
introduction of the four-years rotation, with turhips as a farm crop, into Norfolk, first tanght farmers to rely less on the bare fallow. To this may be added the other great improvements in onlture - drainage, subsoiling and the introduction and more general use of commercial fertilizers and green manuring
The bare fallow, though not generally accounted an essential of good farming now, is even still ad mitted to be requisite under certain circumstances. In heavy clay lands it is necossary betimes to expose. This burns up the weeds a task not always to be otherwise accomplished in the stiff clay; it also mellows the clay soll better than any other process can. It requires, no doubt, a good crop of wheat to pay the two year's rent, or interest on purchase, and the cost of labor, but a good crop is expected from it; besides, the advantages from the allow are not limited to one year
If ground designed for bare fallows be infested is advisable to plow shallow in the fall, or, better still, to cultivate, so that the fallen seeds may germinate and be destroyed. Otherwise bare fallows are brought into their best condition by commencing the plowing in spring. Plow with a strong, deep furrow. In about two months after wards the weeds will have pretty good growth, and then plow again, reversing the furrows. This the third or cross plowing. In this let the land be laid up rough, so as to be thoroughly scorched and to receive the ameliorating influence of the air The rough ridges of stiff clay are afterwards broken down with cultivators and harrows, and having been mellowed by the cultivation and the summer dews and showers, they are in the very est condition for a seed bep capable of being brought
The heneficial results of
The beneficial results of a good bare fallow on more easily cultivated, more permeable to light and heat and air, and conseruently more produc tive. From a good wheat soil so cultivated, sixty bushcls per Imperial acre were an ordinary crop, and much more has been realized.
Two objects, as we have seen, are to be obtainen On other sil the one object was the destruction or weeds, annuals and perennials; and of this the ex ensive cultivation of roots, with the accompany. ing half fallow, has obviated the necessity. The root crop is in reality a fallowing crop, with the additional advantage that no loss of a season rop is incurred by it, as in the tare fallow. cleanses the land from weeds, and renovates it In orler to olbtain a good root crop, the land shounng or cultivating. For spring plowing and cul ture there is ample time before the seeding, and after the seeding a summer cultivation is continued. So there is a fallow-culture progressing through out. This, with the manure for the crop, mast bring the soil into the very best condition. If we camnot at all times, after the root crop, have the land 1 repared in good season for fall wheat, tand win he hat deemed best In such instances, it is well to take the plow int the field and run furrows at a regular distance
apart, if nothing more, so that the water may run off early in spring, and an early seeding may be had. Land is greatly injured by stagnant water being allowed to remain on it for any length of
time. time.
Besid Besides the bare fallow and the half fallow mentioned, there is a method somewhat different. By the times of plowing of such crops as, being pluwed under, will ferment and decompose in the soil, being thereby good fertilizers. For this purpose the ground is thoroughly plowed in the autumn, that by the influence of the atmosphere and frost, it may be brought into as good state of tilth as possible. Some crop, such as rye or peas, is
sown early in the spring. When this has grown sown early in thed is is is undernlowed to come to seed. Another crop is then sown-Hungarian grass, buckwheat, millet-whatever will make rapid growth and cover the ground. This is also to be plowed down as soon as it blossoms. By this method the land is freed from weeds and enriched by the green manuring, and is in good order for a fall crop; from it more than from Both rystems are designed to improve tho soil and tare fare

## Rye for Soiling

For soiling in whole or in part, the first con sideration is how to provide sufficient green forage for the stock of the farm in the first weeks of the summer. By that time the stores laid up in the exhausted, winter feeding are nearly or altogether some green food. If there be pasture enough for the stock, it is yery injurious to it to be trodden down by cattle early in the season, and the young tender shoots of grass and clover plants, if eaten down in their first springing up, will not yield so much feed during the sacceeding months. And letting cattle stroll on the roads and commona earching for a scanty subsistence, will mak dairying and stock-raising a losing business. To provide food or of the year theren, whic some green crop for soiling, and in this climate the best, if not the only one, is rye. In Great Britain winter tares (or vetches) afford good cattings early in May, but our climate compels us to use some hardier plant for early soiling.
Rye has peculiar value as a soiling crop. It is ery hardy. It will stand the Canadian winters etter than any other cereal. It grows rapidly, earlier in the spring than almost any other grass
or cereal, and is earlier fit for cutting. It can be nown in the middle of May, and will give a welcome supply of nourishing foo for the cattlenost needed by the milch cows. from gives a very
heavy yield of forder, growing
cet high before it becomes at all too hard for feet ning.
soiling.
In order to obtain the earliest supply for soiling, rye should be sowed in September, bat if this has
not been done, it may be sowed in this month. It
will not be quite so early as if sowed earlier, but will not be quite so early as if sowed earlier, but
it will give good soiling later in May, and where it will
there are stock to be fetl, an acre or a few acres
will be a very profitable crop. If the rye crop for wisling be found to be more than is needed, it can
b, harvested and will pay as well perhaps as any other crop on the farm. Rye in the New York
narket brings a price not much lower than wheat, and if sowed on a groold soil and with as much care, and if sowed on a goor soil and with as much
will produce a far higher yield than wheat.

To prevent horses' feet from cracking or scald-
ing in summer, and enabling the shoes to be caring in summer, and enabling the shoes to be car-
ried a longer time without injury thench ried a longer time without injury, the French
practice is to coat the hoofs once a week with an pratticent composed of equal proportions of soft
outment
fat, yellow wax linseed oil, Venice turpentin and fat, yellow wax, linseed oil, Venice turpentine and
Norway tar; the wax is melted separately before mixing.

## a profit possible in the face of dear ferd and cheap meat.

SIR,-A subject of daily increasing importance
is that of the particular kind or breed of stock is that of the particular kind or breed of stock
that the farmer shall keep, and the most economiWhen hay, last winter, was worth from $\$ 18$ to $\$ 25$ per ton, and turnips from 18 cts. to 25 cts. per bushel in the market, on the one hand the tempta-
tion was very great to sell off a far larger amount tion was very great to sell off a far larger amount
of good feed than should have been removed in the interest of the land, whilst on the other, farm. ers, with the low price of beef staring othem in the
face, were forced to look very closely to the rigid face, were forced to look very clo
cconomy of their feed on hand.
Our own experience has, however, been that notwithstanding the combined agencies of short
and high priced feed and flat markets, the driving and high priced feed and fat markets, the driving of our produce to the market in the shape o
beasts, was far more profitable than would have
been the selling of hay, straw and roots. But the been the selling of hay, straw and roots. But the fact was also forced upon our attention that this
state of affirirs could not have existed had not our cattle been well bred, warmly housed and regularly and systematically attended to
At our market town straw was worth $\$ 12$ and turnips 18 cts. We bought two heifers for $\$ 20$ a piece, both in calf, in fair order, on the 30th day
of November last.
We fed them on barley straw and turnips, stabling them well and warmly and turnips, stabling them well and warmy.
They were fed at the rate of 14 lbs. of straw per
day day, cut, and 45 lbs. of turnips, and were sold on
the 25 th of March for $\$ 50$ and $\$ 48$ respectively.
We calculate that it is worth $\$ 4$ per ton to draw
our straw to market, a distance of eight miles, and turnips cost to market 7 cts. per bushel. Thes The
value then of straw (barley) in the barn was $\$ 8$ pert on, and turnips 11 cts .

To or aciginaunt price of two heifers the
4 months at 14 libs. straw a
piece per day $-3,260 \mathrm{lbs}$ at piece per day $-3,260 \mathrm{lbs}$ at
40 cts. per $100 \mathrm{lbs} \ldots \ldots \ldots . . \$ 13$ 4 months at $45 \mathrm{lbs}$. turnips a piece per day- 10,800 llss.
turnips at 11 cts. per 60 lbs 1980
Total cost of feed $\overline{\$ 3284}$ Cash received on SUMMARY, Original cost. ost of feei

Total cost
$\qquad$ $8400^{\$ 98}$
3284
$\$ 4000$

Cash Protit
We consider this as an actual profit, for if
be inclined to charge for inter riginal purchase money, the labor of feedin he wear and tear of the straw and turnip cutters, we think that we may fairly credit as a full set
off the amount of manure made by these two aninals.
These animals brought us a high price in March, ar higher than most of our neighbor's stock at the same age could commant, and why 'They re-
ceived no more food than our neighbors' cattle, but they were well bred, systematically, regularly nd economically eed, commortand profitable price was offered.
This profit was made in the face of high feed nd low prices. What can, then, be done when high-as is generally the case in Canada? From high -as it generally ine wase would beg our farmers to leduce the following golden rules :-

1. Have none but good grades around the premises
$\underset{\text { 2. Feed them economically, and never waste a }}{ }$ 3. Feed them regularly and at stated intervals o that they never lose flesh by pining.
Provide their food in the manner most easy 5. Provide warm accommodation, for warmt in winter is an equivalent to so much food.
2. Be gentle and kind to them; the loud-voiced
brutal feeder takes many pounds of flesh from the brutal feeder takes ma
beast in four months.
yuite as much as they can eat.
We could on the 1st of April buy beasts the which have cost twice as much to winter as those
for which we a week ago received $\$ 50$, for they re quired extra feed to keep up the animal heat, an wasted probably
verted into flesh

The Sheep Bot-Fly
SIR,-I have lest 21 lambs out of a flock of forty. With some desire is thave examined the me that it is grub in the brain, bat on investi gation I could not find any. They die very
sudden. with it. They seem stupid and want to stick
their heads in the fence. They are fine, thrifty lambs. If you, or any of your many readers, caa
inform me of the canse, you would confer a great vor on a new subscriber. I like your Advocate yery much
armer.
mer.
Sweabourne P. O. August $28,{ }^{\prime} 75$.
[For grub or sheep maggot we think this article may be safely relied upon. From the description given, we cannot say definitely if
is the disease, but it seems probable that it is. -ED.] All sheep growers know of the insect which bears, in addition to the name Sheep Bot.Fly, the
titles "Head Maggot", and "Grub in the Head" Oestrus ovis-Linn.), though but few, compara-
One tively, know at sight either the grab or mature
insect. The fly is described by Riley as being somewhat larger than a common house fly; of a
dull yellow color above, marked and variegated with brown; eyes purplish brown ; uader side of
head puff out, and white; feet brown ; wings
transparent, and extending beyond the body. It

is viviparous; that is, instead of laying eggs, as
most insects do, it retains them in its body till they hatch, when they are laid as minute grubs.
Observations upon this point (the laying of the grubs) are of course quite difficult to make, so
that it is not to be wondered at that some still assert that the fly deposits eggs, while others
assert with equal positiveness that the grubs are assert with equal positiveness that the grubs are
laid. I have myself not been fortunate enough to witness the operation, but having seen other flys lay larve, or hatched eggs, I am quitite prepared to
accept the statenent in the case of the speaie accept the statement in the case of the speoies
under consideration It can readily be seen to be much to the advantage of the young insect to be in its life in this way, rather than to exist for by closer examination. In early summer the tlies appear, and begin laving their young in the nostrils of the sheep; these grubs or maggots are quite
lively, and soon wriggle their way upward through the nasal passages into what is known as the frontal sinus. Now it must be admitted that an egg would be much more easily blown out by the sheep
than would the active little maggot, which begins to work upward as soon as deposited. The frontal sinus of the sheep includes two
large, irregular cavities in the frontal or foreheal bone, situated between the eyes. There are two cavities, one on each side of the middle line of the head, so that they are mates; but they are not
directly connected, but are separated by a strong bony partition. If a line bee drawn from the
middle of the right eye to the middle of the left, these cavities will beye tound the midk of and above it,
beginning at a point half an inch from the edge beginning at a point half an inch from the edge
of the bony surroundingsof the eye, and running
transversely to the middle line of the heall, and
having an average width of three-fourths of an
nch. Each sinus at the point nearest to the eve ach. Each sinus at the point nearest to the eve
pens into the posterior part of the nasal
avity by a large but tortuous and avity by a large but tortuous canal which opens ownward ( $i$. $e$. toward the back part of the roef
of the mouth) and a little forward. Now, when the fly deposits its larrex in the nostrils, they, crawl
back through the nasal cavities, and threngh these back through the nasal eavities, and throngh these
canals into the ginuses, where they live until the (allowing Spring, by which time they have attained
foir full size. During this time the grabs feed their full size. During this time the grabs feed
hipon the mucons matter in the sinuses, and cause pon the mucous matter in the sinuses, and cause
a considerable irritation of the thin mucous mem.
rane which lines them brane which lines them. The stories occasionally
told of the grubs penetrating the brain are in old of the grubs penetrating the brain are in all
prob sbility fabulous ; the real injury, I a apprehend, probsinity fabulous; the real injury, 1 apprehend,
arises from the communication of the irritation of
he membranes of the sinuses to the membranes of the sinuses to the other mem-
branes of the head. When full grown the grabs branes of the head. When full grown the grubs
crawl down the canal and through the nostrils, falling to the ground, in which they bury themselves. Here they undergo their final transfor.
mation, changing first to the pupz state and mation, changing first to the pup3 state and
emerging in June and July as the peffect winged merging in June and fuly as the perfect winged
tly ready to go on providing for a new brood of grubs.
Tar is the remedy which seems to be most relied
upon, for the reason, perhaps, that it is the easiest upon, for the reason, perhaps, that it is the easiest
of application, while at the same time it is measureably successfui. It is often daubed upon the nose
of the sheep duing the time of the deposition of of the sheep duing the time of the deposition of
the young grubs, that is, in June and July. It is the young grubs, that is in June and Jaly. It is
also sometimes dubed in the trough to which the sheep resort for salt, in this case the tar is best
applied to the calge of holes bored in the bottom applied to the cilge of holes bored in the bottom o
the trough, and into which salt has been put ; the the trongh, and into which salt has been put; the
shetp, in trying to get the salt, will very thoroughly
tar their noses. tha their noses. Some sheep growers provide
dusty places in their pastures, to which the shee dusty places in their pastures, to which the sheep
may resort. A furrow or two in several places in
the fied wid may resort. A furrow or two in several places
the field will do. When the fly attempts to deposit
its larve, the sheep escapes by thrusting its nose
into the dust. Some have tried giving the sheep something to make it sneeze,
thus to dislodge the young grub. this might dissodge the young grubs, when still in the nasal cavities, it could not possi-
bly do so after it had reached the frontal
sinuses.Others again have made the horrible sinuses. Others again have made the horrible
suggestion that a wire be run up the nos. suggestion that a wire be run up the hos is
trils, and the grub thus disodged. This
as useless as it is cruel. It is absolutely impossible to run a wire up the nostrils into any part of either sinus. The practice of some men, and I hope
of but few, of shutting up a large flock of sheep in a tight room for many hours, ex-
peeting that the bad air and heat will dis-
Todge the grubs, must be emphatically conJodge the grubs, must be emphatically con-
demnned as cruel and useless.
must also be said of the same must also be said of the practice of burn.
ing brimstone in a tight room, in which the sheep are kept for some hours aud made
to breathe the poisonous furnes. The simple fact to breathe the poisonous can endure many times
is, that such insects
more of the more of these sulphur fumes than can any warm-
hlooded animal. I make the following suggestion : As the bone over the frontal sinus is thin, Iet some of our sheep-raisers make this experiment: Take sheep, known to be troubled with "grub in the strong and penctrating liniment, right over the sinuses, and then in a few days kill the sheep and
examine into the condition of the grubs. It is examine into the condition of the grubs.
possille some application can thus be found which possine some applill or drive out the grubs although I must
nill
unbelief.- Trom Prof. confess to a pretty strong unbelief.- [Fron Prof.
C. $E$. Bessen's's Report to Iova A griculural Society.

## A Fat Cow.

At the (iuclph Exhibition held last week, ne of the most remarkable animals was a fat Hercford. She had taken the first prize last year, and she has been fattened out of all proportion,
the poor beast can hardly stand. We had this cut nade of her to give you some faint idea of her out-
line. She had taken on fat on the back at the line. She had taken on fat on the back at the
points indicated so as to bring one in mind of a dromedary; the hindmost lump was about three
inches lower in the centre of the back than on the inches lower in the centre of the back than on the
sides. We think this animal was more disfigured sitess We think thimal we have seen.
with fat than any animan
In this district we are, at present, experiencing succession of heavy showers, which ean do
arm now, seeing that the crops are nearly all in harm now, se
or should be.
dates ou the Garden and farm.

## English Ivy.

The use of English ivies for the purpose of de corating living rooms is more extensive every year
and cannot be to highly recommended. Being very strong they will live through any treatment; but
study their peculiarities and manifest a willingness to gratify them, and they will grow without stint
Many houses are too hot for them, as indeed the any houses are too hot Noither plants nor people should have the temperature over 65 degrees
Fahrenheit. Take care not to enfeeble your ivies Fahrenheit. Take care not to enfeeble your ivies
y excessive watering or undue heat and you will see they will not mind whether the sun shines on
see them or not, or in what position or direction you
train them. Indeed so much they will do them. selves to render a room charming that we woul rather have an unlimited number of
Don than anything in nature or art. your tiny entry to be arched or curvel, like those in the drawing room of your richer neighnor? Buy a couple of brackets, sutimes placed in, and screw
of kerosene are sometime
them on the sides of the door. Pach a pair of English ivy, the longer the better; then train any way your fancy indicates. You need not buy
the peat the beautiful but costly pots the flower dealer wil advise ; common glaze ones will answer everr pur or
pose, for by placing in each two or three sprays of
Coliseum ivy, in a few months time no vestige of the put itself can be discerned through their thick
sereen. sereen. English ivy growing over the walls of a
The End
building, insteal of promoting danppuess, as most persons would suppose, it is said to te a remety
for it, and it is mentionel as a fact, that, certain rooms where damp hal prevailed for a length when the ivy hal grown up to cover up the opposit exterior side. The close overchanging pendan leaves prevent the rain or moisture frum pelletrating
to the wall. Beauty and utility in this case go
Bat

## Poultry in orchardis.

The Massachusetts iot joprantice to keep their poultry in thearther sets in, and they find it pays them for so doing. A picket fence should be built around
the orchard, high enough to prevent their tlying the yaril to shelter them at night. Thus situated, the poultry will thrive and prusper, keepring then selves in good condition, and the increase neg ego will be greatly augmenter ine hat least, on acount
value cenhanced tontheir owners and
of the thousands - myrials of insects and worms which they destroy, and which will more than repay the cest and then enclosed in this manner, a large numler of fowls may be retained in all orchard; and
the continued seratching which is ollone ly them will prove ausvant.
trees themselves.
Native Plasits in Hanging Paskets. - No one
need be deprivel of hanging haskets on account of remoteness from greenlunses, or inalility to pur
chase greenhouse plants. No baskets are prolucel chase greenuisite than can be male by judicious nse of the plants found in the forests ant fields. The
basket itself may be made of woven wigs, the end
 roots, or the steel sprinys of a superanuuated hoop
skirt. Then, for filligy, the forest furnishe lerry, saxifrages, and all the immense variety
pther plants which love to nestle in its shales, seek it
man.

> 1ntrresting on Danamen.-At a meeting
milk producers in Massachusetts, some time since a Mr. Wetherell stated that cows, upon an average need forty-five pounde of hay per cay, or its equ
valent, whilst giving milk. That large cow produce more mil
than small ones. That therul, cows give annually
1400 , fuarts of milk, whilst the Holstein and some ther breeds will prolnce 400 . Anroudings. In berolucing winter milk, cows without grain will nothing.

TeE Horse AND HIS RIDER-- M. Perret, a
French pharmaceutical chehemist, has discovered a
very simple and economical method of saving
horses marticularly when they are not in motion, horses, particularly when they are not in motion,
from being tormented by tlies. It consists in
nerely rubbing them with a little concentrated oil nerely rubbing them with a little concentrated on
of laurel, which is extremely disliked by the flies. The oil should be specially applied to the parts The oil shouid be specialtle With about three-
where the flies usually setle. Wil
pennyworth of this oil a horse can be anointed for pennyworth of this or a horse can be anoine in
three lays. There is not the slightest danger in nsing it, and, indeed, its slighly stimnlating
action is beneficial to horses, and keeps their coat action is beneficial to horses, and keeps their coas
in good order. This expedient may also be usefully in good order. This expedient may also be asefully
replaced by a solution of sixty grammes of asafetila, mixed with one glass of vinegar and two of water. The strong oder of the asafoetida drivee
away the flies, and if horses be well washed with this, not a fly will settle on them. No apprehension need be felt in using
deleterous propertie

A Wonderful Flowrr.-One of the most ex fuisite wonders of the sea is the oplet, a flower
resembling very much the German China-Aster. It has the appearance of a large double aster, with a quantity of petals of a light green color, glossy
as silk, each petal tipped rose-color. These lovely petals, are never still, but wave about in the water while the flower clings to the rock. So innocen
and lovely looking, no one could suspect it of
eating anything ; certainly, if it did, only a bit of eating anything; certainly, if it dit, on a a dep of dew. But those beautifu
rainbow or a waving petals have other and more material work
to do -to provide food for a large mouth, which is cuuningly hid deep down among them. They do their duties famously; for, as soon as a silly
little fish comes in contact with those rosy tips, he is struck with a poison, fatal and quick as lightning. He dies instantly, and the beantiful arms wrap themselves about him, and drag him into the
greely mouth. Then those lovely petals unclose seety mouth. Then those the water, just like our water-lily. This thower was long ago talked of,
but its existence doulter until the last century. Now the oplet is known to be a thing that really
xists.

The Green Fly in Plant-Cases.
Much the easiest and completest way of keeping
hese sap stealing and destructive vermin in check Chese sap-stealing and destructive vermin in ine check nn crowted plant-cases, isetrate every crevice, and
hacco. These will pene
ceach every hidden aphis without the handling of a pot or a plant, requiring only the use of a good
syringe to shower and wash the foliage after the syringe to
funigation.
Put in a small case it is quite difficult to get up
smuke of sulficient density to loe effective, without colving a damaging ampunt of heat from the will not sustain tire enough without Hame, which is deally to the plants. And smoke from a fumi bating is sure twannoy the operator and pervade th lout ins sure tha the uupleasant ollors of the burning
room with the
weed. weed.
After two or three victories, bad as defeats,
campaigning against these marauders in the re cessses of a plant-case, I caught a hapyy suggestio cess by so simple and so beautiful an operation, I made some touch paper by soaking soft felt like wrapping paper, or the thinner sort of blotting paper, dry. Taking a strip of this, three or fon
it to dry. inches wide and twice as long, strewing shreds of into the shapee of a giant cigar stump or a tiny roly-poly, I had a quasi cartridge, one of which
proves sutticient to destroy every aphis in a 6 by feet window case. A lit of wire serves to holl it more to do but to touch it with a light and to close the window, laying wet strips of paper on the joint,
if necessary, ty keep all smoke out of the room. The fumes pour incessantly and copiously from the ends of the cylinder, rise to the glass, and then fall cool among the foliag
every one of the robbers.
This is a peculiarly eligible method for a small
case, but in a large plant house, hot coals can be
used in used in sutficient quantity to maintain dense fumes
for half an hour if desired, without risk of burning
the plauts.-C',untry Gentleman,

Feeding Chickens-the Use of Troughs Theoretically the feeding of chickens on th ground may answer serions objection. The grea benefit supposed to be derived from feeding on the ground is that the chickens pick up with the foon This is the sand This is the only advantage we have ever heari is "handy."
The sand aud gravel argument, however, amoun nothing, since these can otherwise be easily pro
viden, and, in fact, they usually are in every well egulated poultry establishment. It matters but little how wide a range is given
poultry, they naturally congregate at particula to poultry, they naturally congregate at particular
places at certain times in the day for their accus places at certann times in the day ould be a usesess task for us oo attempt to keep clean enough for feeding the
over which they tramp so continually round over which they tramp so continually
Veither is it always possible to toll them a short distance to clean ground, even if the space at com nand would permit. But even when the groun
as clean as we would wish, if the food be thrown on it the strongest fowls or chicks get the first and best of the rations, while the weaker are comperle or to eat what has been tranneed over and more
less soiled. They cannut relish such food as they less soiled. They cannot
would that which is fresh and clean, and therefore at merely enough to keep themselves from starv-
ang. So of course, they camnot thrive, but must ing. So, of course, they cannot thrive, but must
remain the weak and profitless membery of the
fock. this ma be avoided by placing the food in All this may be avoiled by placing the food in
hallow troughs, so arrangeil and covered that the chicks can help themselves to what they want without trampling the contents; and clease any should be left over, it may se kept clean in the
trough or taken away and saved until the next feeding. Such shallow woolen trays as we recommended
in June last for holding water vessels for chicks, should be used. They keep the fool clean and prevent waste. They are made about seven inches
wide, one and one half inches deep, and from one wide, one and one half inches deep, andenient. On
to threc feet long, as may be most conver
each co ner of the tray or trough is nailed a strip each eon er of the tray or trough is nailed a sth
of lath, which serves as a leg to raise the trough an inch or two from the ground. These same lath
extend above the upper edge of the trongh alou extend one-half inches, and from the top of one
two and one
to another are tackel other laths, thus forming a to another are tacked other laths, thus forming a
frame, on which a board is laid for a cover to shade the food beneath, as well as to keep the chick from trampling it, the food being reached only
from the sides and ends of the trough beneath the cover.
A flock of thirty or forty half.grown chicks will
feed nieely from two such troughs of three feet feed nicely fro
each in length. Liberal feeling has bey so persistently preached beginners, of late years, that many seem to have eep up such a const perfection of of fored that the chicks may ne
little hungry.
"Many and many an anateur splits on this rock, eeding his chicks as often when six or eight week hell, and thus never giving them time to get any real appetite, without which nothing will healthily grow. It is very wel though even then it is not vay every two hours, though event not a scrap of
very well unless care is taken that
oool be left after each feel, but the whole two hours passed with no opportunity of eating anyhing but grass, insects and so on. That is the
great thought of it, let them begin now, and after each feel of the hittle chicks, scrape all remains of fook away. But as they grow the time must be extended, and
at two months old they ought not to be fed oftener at two months old they ought not to 1 be fed ortene
than every four hours. It not only savees troulle than every four hours. ant makes growth. Water, on the contrary, will, of course, be always by them,
and let it be always fresh, always clear, alway, and let it be always fresh,
cool."—Prairie Farmer.

Ducklings need foon every A little wheat and they should be confined in a pen until meal; and they should not allowed to have aceess
several weeks old, and
to water, except in a pan or waucer for drinking.

## 

Stork and glaixy.

The Sussex Cow
The Agricultural Gazette, in speaking of the Southern Counties Agricultural Association Show at Corydon, Eng., says of the Sussex breed :The Sussex classes, in that this breed has n
other such a gathering, were probably the most in other such a gathering, were probably the most in
teresting of all the classes of cattle. Huge red
thest teresting of all the classes of cattle. Huge rea
beasts these are, heavily fleshed, upon large frames,
with no deviations many have from the red color, with no deviations many have from the red color,
except as to the tip of the tail, which was generally the future, at all events for dry counties. Their hair was generally harsh, and their skins thick
There can be no question that these animals can There can be no question that these animals can
face wind and flies, and maintain themselves in foue wind and with ordinary treatment. II is not pro-
condition
bulle that any intruder will drive these out of the bable that any intruder will drive these out of the
district which they now hold. Their size, for age, district which they now hold. Their size, for age, indeed, such big calves were not to be found in any
other classes. That the breed will stand wet, or other classes. That the breed will stand wet, or
forage for themselves npon hill pasture, cannot be forage tor themselves upon hill pasture, cannot be especially where oxen are worked-and it seems
probable that work-oxen will become once more probable that work-oxen will become once more
common-no breed has more useful qualitications. That they are a cross, and have Devon and Shorthorn blood, seems certain. Possibly this cross is
the reason of their great growth and stature. It the reason of their great growth and stature. It
may le that the introduction of fresh blood took may
place beyond the period of the recollection of their present owners. Yet there are sure and certain
signs that some herds have more Teeswater, and signs that some herds have more Teeswater, and
some more Devon aftinities; but all have also a "tertium quid", beloging to another stock, which
makes this a distinct breed now, whatever it may makes this a distinct breed now, whatever it may
have been once. Happily they are not "fancy
sate" have been once. Happily they are not Cancy
stock as yet. It is to be hoped that breelers
will resist lustily any attempt to convert them instock as yet.
will resist lustily any attempt to convert them in-
to rivals of parrots and lapdogs, and white elephants.
In the class for old bulls eleven appeared ; and of these six were not much over two, and none
much over three years old.
It is prolable, therefore, that the public has not yet seen the stature fore, that the pulhic has not yet seen the shaws
this breed can attainu at full growth. The cows
would indicate that cnorruous steers can be raisel would indicate that endruons steers can be raisen
from them. The rrize list will give the names of
the wiuners. Vearly 100 animals were shown in the wilusers. No nother breed had such numbers nor did any sheds hold so many looker
those occupied ly the Sussex lireed.

## Alderney Cows.

Alderney is well known for the breed of goon
ows which bears its name. These are so calle prolably because the first ones exprortell were fron pronaliland, althongh now very few that are sold a
thderney cows are directly from there. Those of
Ald Alderney cows are chrectly from there inose on generally from Jersey, where the cattle are mucl
the same as those of Alderney, small, with taper the same as those of Alderney, small, with taper
ing heads, and of a delicate fawn color. The
 more of a red, brindles,
milked three times daily, and the milk is churnel without skimming; one pound of hutter a day is by no means an nucommon yied for a a goon cow.
The cow cablage is made to reach a size so large that the leaves are used to wrap the butter in for market, while the stalks are varnished and armed
with ferrales and exteusively used at St. Helier with ferrales and extense very carefully condled.
for canes. The cows are
The grass they feed on is highly enrichied by the vraic, a species of seawed gatherel from the reef at low tide. There are two craic harvests al
pointed by the goernment, one in the syring, the pother in August, although it is gathered at oth times in small quantities. All hands turn outt
the season with boats and carts, frequently the season wight, and it is a very lively, picturesque weup
tion though often attended with risk and loss tion, though often attended with risk and loss on
life from the overloading of boats or sudden rise of the tide.
The cows are always tethered when feeding:
they eat less in this way, really siving more mili they eat less in this way, really giving more mila
than if glutted with food, and while they are crop ping the grass on one side of a tiell, it has time to priging up ou the other side. When they havedone
eating, they are at once remored from the sun into eating, they are at once remored from the sun into
the shate.
ture with other breed is preserved from interinix.
trrong and arbitrary
laws very strongly enforced. No cattle are allowed
to enter the islands, except for slaughter, within a
certain number of dass, with the exception of oxen certain number of days, with the exception of oxen
for draught.-S. G.W. B., in Harper's. Magazine.

Guernsey Cattle.
From time immemorial the island of Guernsey
has been famons for its breed of cattle, and a very has been famons for its there are few localities in
just reputation it it, for the
Europes and certainly Curope, and certainly none in her Majesty's do-
ninions, where a more jealous care has been observed to prevent the thixixure of foreign element.
Of course the isolated position of the island has Of course, the isolated position of the island hay
greatly aided the inhabitants in their endeavors, in
act, we doubt if any but a locality so situate act, we doubt if any but a locasey so a breed so
could for so olong a period have preserved a bre
intact. The cattle are larger and more valuel than intact. The cattle are larger and more valued tha
event those of Alderney, the namie of which is so
familiar throughout England. They are exquisitely familiar throughout England. They are exausisitely
delicate in form; colors varying from lightr red to fawn and dun, with a few black, each generally
with white intermixed handsone, eye large and prominent, horns grace
fully formed. For flesh-giving qualities they are fully formed. For flesh-giving quairies
profitable, and for dairy stock they are truly exeel protitable, and for daire average, if properly fed and
lent, yielding on the
cared for, 1 lb . of the finest Tutter per day throughout the year. The size is a fair average, and
doubtless the breed would be much larger were it doubtess the peculiar treatment they have ever been
not for the the
subject to. The farms of the island being limited subject to The farms of the island being limite
in size, it is found necessary to tether the catle,
wherely they lose much of that exercise and free whereby they lose much of that exercise and free
dom which would tend to larger growth. They are also by this means too frequently exposed to ex
cessive heat or cold, without the possibility cessive heat or cold, without he possibinta
choosing the necessary shelter. Notwithstanding these drawbacks, it is really remarkable how well
the animals have thriven. So great is the demand the animals have thriven. so great is the hendrel
for this breed that, on an averaye, seven hum
cows aud heifers, with about a dozen bulls, cows aud heifiers,
annually exported.

Lice on Stock
I will admit that kerosene oil will kill lice.
artain housewife killed all the cockroaches in he pantry by arplying kerosene to the shelves, and house cost about \$1,500. In like manner may any
one kill the lice aud stock too. Such a remed should not be used for any such purpose. Neithe
can any one affiord to make soap, at the expense the suffering which it would be likely to cause your
stock should they becone wet fromn any cause
Such recommendations are outraveons Such recommendations are cutrageons, and a dis
grace to civilization. Any kind of sheep will, witl attention and an oceasional soap-suds washing,
good, and will usually destroy all the lice on stock. Ciond keep, pure air and water, are among the chief
entemies of all parasites. Wore of the hest arppica
tions for the destruction of lice onl stock of airy kinl is two drachms of pulverized arsenic, mixec
with a full quart of soft water. I se a moderate With a full quart of soft water. (se a monderate
sizenl sponge, and keep shaking the buttle while
sing. Ful, it to the roonts where the lice are the
友 sing. hal, it to the roots where the lice are the
inickest, anh le sure to find every location of the
pests. pests. This is a powerfully acrid poison, the nia
ture of which I perfectly understand, and I recom-
mend it from experience. There is no danger from icking, as the animals can menly lick certain parts
 neither horses nor cattle would be the worse of it
Young sturk, of course, require much less. - W'm.
Hornur, F . S., in Conntry Cientle minul.
success with Sheep.
There have been indications for some time and
from various quarters, that wool is going to all vance in price. The demand appears ty be heay have watched the shectire and woul buasiness for 20 years, turing which thue there were several panics,
sheep being luatchered for pelts and tallow, but immediately after prices rose, and then, every sheep
was saved. Meanwhile, those who kept ons steadily and sold at the going priees have done well, while
those who heli niol over a year or so thereafter
were well paid. The truth is, there is no better were well paid. The truth is, thicre is no better
business, year after year, than that of sheep hus business, year after year, than that of sheep hus
bandry, fior the reasin that the increase of our pur-
 it has been in the past, so it is quite likely to be in in
the future, and thuse who have sheop may saily,
get more. But let net ine aperienced men rush in,
attention. The best way to get a good flock of sheep is to raise them, becauge there are but few
chances to buy such sheep as will pay to keep unchances to buy such sheep as will pay to keep, un-
less at high prices. He who has good sheep knows
it as well as suybody it as well as anybody else, and as a general thing,
if he offers to sell sheep they will be culls. A beginner should buy a few good American merinos, ginner should buy a few good American merinos,
say from twenty to fifty, and if they are really
good-that is, young and free from disease - there good-that is, young and free from disease-there
is more increase and money in them than in a flock
of 500 culls old, scabby, and otherwise unsound of more increase and money in otherwise unsound.
of 50 culls, old, scabby, and oth
In fact, such, sheep are not worth the feed required to winter then, and the best use to make of them
is to send them to the butcher, if suck a thing is is to send the
allowable.
By commencing with a few sheep a pains-taking
man can learu how to manage them as fast as they grow, being like some sehool-teachers, who learn as
fast as their scholars do. It witl take from thre to five years to learn the sheep business, and by
that time the flock should be of respectable size We hardly krow of an instance of young men go-
ing blindly into the business with 500 head wh ing blindly into the business with 500 head who
have not lost their whole investment.-New Yor Tribune.

## Selection of Lambs for Brecding.

 A Western New York correBy keeping only the best ewe lambs, a continua inprovement in the style and पuality of the floc may be expected, provide alaws to be reserved for
are used. Therefore all lambs breeding should, if possible, be put, at the time of
separation from the ewes, into a separate pasture separation from the ewes, into a separate pasture
from the rest of the flock, putting in with them a tame, dry ewe or a wether, of o that they can be
taught to come readily at the call. Many bred taught to come readily at the call. Many breederg
put a trough into the pasture where the lambs are
put for weaning, and they are fed bran or oats put for weaning, and they are fed bran or oats
once a day, nttil winter. Such men always have sheep that shear heavy fleeces, and they do not
dose any lambs before spring from anemia, or " "ale
disease." But if the lambs are put into clover or other pasture that is up to their eyes, they do very welt wathout shert feed for a few days after the
into rather show lanlus are taken away, until the flow of milk has
ceased, and they have leecome dry. Then let them ceased, and they have lecome dry. Then let them
be thornghly overhauled and examined; and all Whose teeth are getting narrow and loose, and
those that do not produce good lambs, should be separatel from the rest and put into good feed, so that they can l, fattened fur the butcher. Usually
there are enough yearling and two-year old ewes Chat have never had lamls to take the place in the
tlock of the old and unprofitalle ewes, so that the fock can be kept up to the required number. 1 If
the selection of the breeding tlock is left until later than August, the hollow places of coarsely built
slieep become so filled out with wool that it is much sheep hecome so fird out whe those that are not per-
more iffticult to throw wit tonsequence, the Hock of
fect in shape. and as a consel fect in shape, and as a consequence, the flock of
lamls is int to be some what unevenhe Indeed,
Int some prefer to select their h
ing time, rather than later.
Contour and Quality in Breeding ciattle
Dr. sprague, in a paper real before the Ameri-
an Short-Horn Brecters Convention, at Cincincan short-Horn Brecters Convention, at Cincin-
natti, stated the To learn a trade is to learn to do things precisely upon the same tenerall principles, and up to the
same general standard that experts in the same same general standard that experts in the same
trade attain to. The principles are simple, though
 beast. He is merely a machine for converting
crule grain or grass into bone, nuscle, adipose
craster matter, the huperinity of one beast over another -
lence -he sud
consista in his ability to mert the most crud consists in his ability to convert the most crude
fond in a given time int,) the finest quality of the
tissues named solist tissues named, sodintriluting these as to give us a
rewny frame of lone in the rarts where we want
 and thick, fleshy, well-marlled roasts, and broad,
well-marlled steaks. in the parts where the best
filreis is lirunued. Such a conformation should be socured as will answer these ends as effectively a


ribution of cell ensures a rapic particlese, and liver, and give si
width to the bos most importance
face. From this face. From th
we consider th we consider th
the ais cells
tended surface a large surface
results.
Two of thet Short-Horn a
ing from the a wedge shape
other is a long back of the fore
defects are so $h$ ing rump or lo they may not r
pointed out ab gans within.
of a house th walls and fixtur
well- advised cr the offspring parents.
heart, lungs, st
creet crosses to Passing fr
ttention to form and stand
fornin, a lev
broad level lo rount, deep ch
should always every inch of
third of a beas
sented by a sea sented by a se
and extending would say.
well back ca weesented in
prom the hip
from the fra ganized fra
tributed anc
where one next begins
The third we will treat
whilst strivin
of the carcas of the carc
point-the
that are to that are to viz, fair
meat, are
estimate tion is, that
high tlavore idea, prove
We couple cure well-for
if the parent will generall
have dark, have dark,
and all the
and same, unless
having light

THE \#ARMER'S ADVOOATE.
tribution of cellular tissue throughout the system,
ensures a rapid conversion of food into nutritive ensures a rapid conversion of food into nutritive
particles, and the deposition of these into the variparticles, and the deposition of these into the vari-
ous tissuess. Large lungs, a large heart, stomach,
liver, and give size and rotundity to the trunk and liver, and give esize and rotundity to the trunk and
width to the bosom. A large stomach is of the utmost importance, because furnishing a large sur-
face. From this the gastric juice issues, and when we consider the inner surface of the stomach, and
the air cells of the lungs, we must rize an ex the air cells of the lungs, we must prize an ex
tended surface in those organs as highly as we do a large surface in a steam boiler, if we expect great
results. Two of the worst faults in the construction of a
Short-Horn are the following, viz: The ribs starting from the spine in a downward direction, giving
a wedge shape to the upper third of the chest; the a wedge shape to the upper third of the chest; the
other is a long rib deficient at the lower emd, cus-
int ing a curve upward in the lower line, immediately
back of the fore legs. We doutt if any other two bact of the fore hegs. Werl to breel out as these. A droop-
defects are so hard ing rump or low carriage forwarl may be brough
up in one or two crosses, so that with after care up in one or two crosses, so he defects in the chest
they may not reappear, but the
pointed out above depend upon deficient vital organs within. It is much easier to raise one corne
of a house that droops than to remodel the inne walls and fixtures; so it is difficult, even by several well-advised crosses, to plant large vital organs in
the offspring where deficient even in one of th the offspring where deficient even in one of th
parents. The reorganization and enlargement of heart, lungs, stomach and liver, require many dis
creet croses to accomplish creet crosses
Passing from the chest ba attention to the inportance of the short ribs being long and standing out horizontally from the spine
forming a level plain forward of the hips. broad, level loin generally keeps company with should always be sought. When we reflect that in every inch of additional wilth we get in the rea
third of a beast, we secure what would be repre sented by a section or cut one anch in to to bottom, and front to rear of the hind quarter-a pretty yool slice, the cook would say. The hind quarter that holds its width
well back carries a large amount of meat not re. presented hin the quarter that narrows in rapidly ganized frame, with the tleshy part so well diswhere one portion of the carcase ceases all
next begins-this is the goal to be aimed at next begins- this is the goal to be aimed
The third and last part of our subject, we will treat very briefly. No intelligent breeder,
whilst striving to increase the depth and breadth of the carcase, loses sight of the equally importanal point-the thexture onel as human food. This idea of texture is never lost sight of by the fruit grower, and the excelle, smooth surface, and tender, juicy
viz. fair size, meat, are the three things upon which we base ou estimate of ain hort- Hurn Now, the common no
tion is, that all animals that handle mellow have
high tlavorel teder hidea, proved so every day upon the butcherr's hlock
We cene
Went We couple two animals together, expecting to se if the parents possess this fattening tendency, the
will generally transmit it. But if both the parent will generaty transmith they and all their get
have dark, unsavory flesh, they and all the progeny atter for all time, will have th same, unless modified and inproved by new cross

Profits from Dairying For the benefit of farmers in neighborhood
where it is proposed to establish cheese factories Tor next season, it may be well to give some genera
statements as to what may be expected. Annual receipts of from $\$ 50$ to $\$ 100$ per cow are reported, urns as this are not to be expected by farmer probably a fair average, for average cows, on conmon or poor grass, and with only ordinary care
during winter. The chese factory should be kept
Thent in operation at least six months, say from May 1st
to Oct. 31 st-or say 180 days. During this time to Oct. 31 st-or say 180 days. During this time
the cow should give 3,000 pounds of mik, making
300 pounds of cheese. For this milk the farmer
 more the cow will give say 1,000 pounds of nimik,
making from thirty to thirty five pounds of butter, worth from $\$ 6$ to $\$ 10$.
Much better than
receipts of many fall considerably below these
figures. -Western receipts of many fall cor.
figures.-Western Farmer.

A New Food for Herses and Sheep. A favorite and rather a new kind of mash for
horses is coming into use compe of oats, one of bran, and halis a pint of flax seed.
The oats are first nlaced in the stable bucket, over The oats are first placed in the stable bucket, over
which is placed the linseed; add boiling water, then which is placed the linseed; ade boith an old rug, and
the bran, covering the mixture with
allowing it to thus rest for five hours then stir the allowing it to thus rest for five hours, then stir the mass well up. The bran absorbs, while retaining
the vapor, and the linseed binds the oats and bran together, a greater quantity of tlax seed would
make the preparation too oily and less relished make the preparation too oily
One feed per day is sufficient; it is easily digestible and is specially adapted to young animals, adding to their volume rather than to their height-giving substance to the frame. Professor Sanson remind
us not to overlook the food, in the nourishment question in comnection with thie amelioration of liv stock. He considers oats, as so generally given bo
sheep, as objectionalle, and approaching the unheep, as e, rams generally receive one pound of oata daily, ewes half that quantity. Oats, forming an
exciting food, are especially suited for rams during the season when they serve, but for hastening the development of young sheep, they only build u
the bones, not the flesh.-California Farmer.

Clyde Horses.
The London Fie'd says that Clydesdale breeding ently increasing. The Clydesdale is admittedly the best sire for a farm stud. The great rise in the
price of horses has stimulated farmers in breeding and the encouragement given to this valuable breed of horses by the Glasgow Agricultural Society has
ided in the improvement of the Scotch farm ided in the improvement of the Scoteh farn
horses. The best animals in the country are anhorses.
nually attracted to the Glasgow meeting, and there faculties for selecting worthy sires, which are no aculties for selecting
where else obtainable.

## Weighing Cattle by Measure.

The following are rules by which the weight
cattle can be ascertained approximately by mea
suremen the lenth of the from the curve the tail to the fore-end of the shoulder-blade, and the girth around the breast just be taken in inches.
legs. These dimensions must
Maltiply the girth by the length and divide by Multiply the eirth by the length and diride between 5 and 7 , multiply by 23 ; if between 7 and 9, multiply by 31 . If the animal is very lean, one-
twentieth must be deducted, and if very fat, onetwentieth must be deducted, and if very ar,
twentieth must be added. Another rale Thake all
dimensions as before, in feet, and then multiply dimensions as before, in feet, and then end the
the square of the girth by the length, and that prouctesy 3.36 . The resy an animal will dress,
you desire to know what and multiply the live weight by the decimal. 065 : th product
closely.

## Stable Floors.

Upon the proper arrangement of the floors o and economy in saving manure. Nothing is more
detrimental to the health of farm animals than foul earthen stable floors. They are saturated with mould smell constantiy pervades them, and milions are constantly inhaled. It is in ow wonder that ther are in consequence constant besioos disore appearance the
chial or lung diseases. Be and
and the comfort of the animals are sacrifioed, be cause cleanness is impossible under the circumstances. We very early in our expereostantly
covered this, and for many years were conster
experimenting to discover the best stable floor experimenting to discover the hest stable foon
There are two, of which we can hardly determine Where are tho, better. One of these is a double
which is the bethe the bottom plank is of hemlock-
plank floor which is as good as any if kept dry, and is the
chapest ten feet long and two inches thick, if
or single stalls. for single stalls. This lower floor being laid,
well saturater with hot gas-tar, and the uper
layer circumstances is durable, and which does not lie come so smooth or slippery as oak or yellow pine,
and is therefor safer, is laid upon it. The planks
are first coated upon the under side with the tar are first cote that the joints are broken and finally
! tien laid so thal spiked down. These planks should be $1 \frac{1}{2}$
inch thick and 7 feet long. They form the hed of
the stall, of which $2 \frac{2}{2}$ feet are occupied by the feedtrough, and $4 \frac{1}{\frac{1}{2}}$ feet give standing room for a cow.
At the ends of this bed or At the ends o this bed or floor of the stall is a
depression $1 \frac{1}{3}$ inch deep, into which all the manure drops or drains. This may be made of any width that is desirable. When the stalls are single two
feet is a sufficient width feet is a sufficient width, with a sidewalk of one
foot wide. If the stalls are double four feet give
plenty plenty of room. The depressed portion of the
Hloor should be kept well coated with the thr foor should be kept well coated with gas- tar and
sprinkled with sand while the tar is hot. The tar is a great preservative of the wood. Such a floor
is quite impervious to water, and is equally good is quite impervious to water, and is equally yood
for a hog-pen an for a cow-stable. For horses, the Hoor shopld be laid with the best white oak, hem-
lock being too soft to stand contact with the shoe lock be
calks.
The other floor is the cobble-stone and cemen
The tloor being graded with a gentle slope, or half an inch to a foot, is paver with cobble shape, which should be that of an egg with on
broad and one pointed end. The smaller end is laid in the earth and the broader one uppermost They should be well ramned down, and when the ioor is aid aill hoose sand surface is thus performed One part of good hydraulic cement and seven parta
of sharp sand are well mixed dry, and then water is added sufficient to make a thin mortar. This is hickly spread over the paved Hoor and worked imcorn broom. It is laid on thick enough to till the surface is formed through which only the tops of the stones are seen. A thin wash of pure cement next day a coting of hot gas-tar is laid upon it until no more is absorbed, and fine sand scattered upon it. Then we have a floor which will last
definitely if only care has been taken to make a definitely if otion and to ram the stones down solidly. It is entirely rat-proof, dry, and therefore health-
ful. This floor is also pig.proof, aud suitable for ful. This floor is also pig-proof, and suitable for
hog pens wkich have nothing beneath them but the hogopens which have no that this paved surface is
ground. It is obvious solely a ground floor, and can no
cellar.-A merican A griculturist.

## The Great Short-Horn Question.

From a long and able article on this subject in
俍 and Fancier's Gazette
We consider it no part of our duty to decide be tween any rival stiains, or to pronounce upon the degree of crestit to Short-Horn history. It has long appeared to us that the aggressiveness often
charged upon admirers of Bates, is fully equalled charged upon admiors apposed contrary lines, and
by advocates of the suan that as the real question between these may b said very much to resolve itself into," one as to th
value to be attached to "handling," it would be far better to argue it out, if at all, on that general ground. We cannot but consider it a real misfor tune for both the memory and reputation or pro great Kirklevington breeder, that the only pro-
fessed history of his herd and proceedings should
俍 have assumed such an unfortunate character as it
has done, and by its too evident partisanship and has done, and by its too evident partisanship and
inability to distinguish between what is evidence and what is not, thrown much doubt even ove What may be really true, and adder tren their own guidance, to ascertain the real facts. We canno but express a hope that
Bates, of adequate knowledge, some literary ability and competence to sift the proved from the merely probable, an me effort to place the anciful, will yet make an effort to place
history of the Kirklevington herd on a more satisfactory basis.
Taking the question, the "Value of Pedigree," priceless in value, from its effects in fixing what priceless ben long and steadily sooght; but a pedigree
had le of mere names is, so far,
supposing in it four Duke crosses in sudcession; supposing in it four Dake crosses in su on these
the value of the product does not depend crosses having been foar "Dukes,' but four Jukes handling, strength and constitution, which are de-
sired. If the breeder who buys a Short-Horn with a perigree knows that the ancestors were thus valuable, and he sees by the good result that
they have been blended with skill and judgment,
he may be justified in giving almost any price, ac-
cording lowed. The great breeders, from whom we re"impressive" form what he desires; but if all or any of these ancestors were bad in any marked way, or even if they were not "good" according sult is questionable or indefinite, the ancestors be
ing merely "Dukes" as printed in the pedigree

It will be obvious, ffirther, that $a$ areal appreceia tion of any given pedigree must involve a mach Oof colese investigation into the actual characater of actaral anoestoris than many "fashionable"

 actuall yerei
sion, at once more gen-
$\begin{aligned} & \text { sion, at once more gen. } \\ & \text { eral and yet more prac. } \\ & \text { tical still, obviouly }\end{aligned}$
$\begin{aligned} & \text { tra, and still, obviously } \\ & \text { follows. It is, that the }\end{aligned}$
$\begin{aligned} & \text { follows. It is, that the } \\ & \text { great want of the pre- }\end{aligned}$
$\begin{aligned} & \text { great want of the pre- } \\ & \text { sent day is for the mass }\end{aligned}$
$\begin{aligned} & \text { of breeders to have a } \\ & \text { clearer idea of what }\end{aligned}$
$\begin{aligned} & \text { clearer idea of what } \\ & \text { they are breeding for }\end{aligned}$
Short fact, of theiri ideal
$\begin{aligned} & \text { Short-Horn. Those } \\ & \text { who have most clearly }\end{aligned}$
$\begin{aligned} & \text { who have most clearly } \\ & \text { traced the wonderful } \\ & \text { phenomena of breeding }\end{aligned}$
$\begin{aligned} & \text { phenomena of breeding } \\ & \text { will most fully under- }\end{aligned}$
$\begin{aligned} & \text { will most fully under } \\ & \text { stand that any "breed }\end{aligned}$
ing', worthy the name
$\begin{aligned} & \text { is prantically impos. } \\ & \text { sible without this; and }\end{aligned}$
$\begin{aligned} & \text { sible without tris; and } \\ & \text { if a clear appetension } \\ & \text { of this truth should }\end{aligned}$
$\begin{aligned} & \text { lead to a calm and } \\ & \text { intelligent discussion }\end{aligned}$
and settlement of what
$\begin{aligned} & \text { should be the idea } \\ & \text { Short-Horn, toward }\end{aligned}$
$\begin{aligned} & \text { Short- Horn, towards } \\ & \text { which all should aim, }\end{aligned}$
such would be by no
To breed aimlessly no
or "pure Booths" may
or may not produce
and -it is all chance
$\begin{aligned} & \text { to know what the iteal } \\ & \text { 1"uchess or Booth type } \\ & \text { is, and breed steadily }\end{aligned}$
for that, is truly
$\begin{aligned} & \text { follow in the footsteps } \\ & \text { of those who founded }\end{aligned}$
these tribes
$\begin{aligned} & \text { It supposes even } \\ & \text { mure than the mere }\end{aligned}$
$\begin{aligned} & \text { nure than the mer } \\ & \text { "pedigree ", notion- } \\ & \text { anid we should }\end{aligned}$
and we should have
the animal, supposed
$\begin{aligned} & \text { to be good itself, be } \\ & \text { preceded by many an- }\end{aligned}$
$\begin{aligned} & \text { cestors equally. good. } \\ & \text { Were it acknowelelged }\end{aligned}$
$\begin{aligned} & \text { Were it acknowledged } \\ & \text { more in practice, we } \\ & \text { should see not less, hut }\end{aligned}$
more Short Horns of
The difference would
$\begin{aligned} & \text { be simply this, that } \\ & \text { instead of the breeder's }\end{aligned}$
anxiety being wheher
$\begin{aligned} & \text { anxiety being whether } \\ & \text { his contemplated pur- }\end{aligned}$ chase had a grandbe what that grandfather was; ; and, in fact,
how the whole course of breeding of the animal fitted in with what was desirel, and what
might be the probable tendencies as regarded re-
version. What is, in fact now continel to version. What is, in fact, now confined to a few
only, who really understand their business, would be more or less general ; and the only effects o
such a state of things, which might be considere by some as evils, would be that skill and judgment might to a great extent supply the want of money,
and that Short-Horn breeding would, we fear, become to those who thus studied it more faseinating even than ever, as they saw the model predeter-
mined in their own minds stamped upon their mined in their own minds stamped upon thein
herds.
Such a view of breeding, again, would give far Such a view of breeding, again, would give far
more freedom of action than is now generally al-


## The Village Pound.

 The above cut represents a horse and a donkey hat have been found feeding on the roadside, andbeen impounde. The childrev are having comassion on them, and giving them a bite of hay.

When In England, last year, nothing appeared to us to contrast more with our Canadian road scenery
than the beautiful green foliage to be found along the rraddides. The grassis cut and made into hay or litter. Trees are unbroken in the villages, and
town flowers and shiubs are seen growing by the town flowers and shiubs are seen growing by the
roadside or climbing up the wall, anprotected by roadside or climbing up the wall, anprotected by
any fence from travelers or stock. The tine may be near when Canadian houses will need no fence
Near some of our towns and cities the law agains Near some of our ing put in force.
stray stock is being

A Jersey Record.
The following is given in the American Agricul
turic by the anthor of "Ogden Farm papers." rixicl by the anthor of "Ogden Farm papers." ot duct of my herd, per head.
er type of the herd
$\begin{aligned} & \text { I will instance the case } \\ & \text { of "Flora Hinman," }\end{aligned}$
thoroughbred, who
$\begin{aligned} & \text { Teighs now -after } \\ & \text { dropping her second }\end{aligned}$
calf, when she is three
$\begin{aligned} & \text { year first call was } \\ & \text { Heropped on November } \\ & \text { dren }\end{aligned}$
was 183 , when she
$\begin{aligned} & \text { the nikk did not go } \\ & \text { into the dairy until }\end{aligned}$
$\begin{aligned} & \text { into the dairy until } \\ & \text { Deeember 3rd. From } \\ & \text { that time we carefully }\end{aligned}$
$\begin{aligned} & \text { that time we carefully } \\ & \text { weighed all her milk }\end{aligned}$
$\begin{aligned} & \text { weighed all her milk } \\ & \text { until April } 13 \mathrm{th}, \text {, } 1873 \text {, }\end{aligned}$
$\begin{aligned} & \text { until April 13th, } 1873 \text {, } \\ & \text { when she dried of } \\ & \text { preparatory to her }\end{aligned}$
$\begin{aligned} & \text { preparatory to her } \\ & \text { second calving (April }\end{aligned}$
$\begin{aligned} & \text { second calving (April } \\ & 2 \text { 2rd). I divide her } \\ & \text { record }\end{aligned}$
$\begin{aligned} & \text { record into eighteen } \\ & \text { periods of four weeks }\end{aligned}$
$\begin{aligned} & \text { eath. It stands as } \\ & \text { follows: 1st, } 500 \text { lbs. }\end{aligned}$
$\begin{aligned} & \text { 5, } 177 \mathrm{llns} \text {. This in oeks, } \\ & 51\end{aligned}$
$\begin{aligned} & \text { Seight at her own } \\ & \text { wend of } \\ & \text { the perit }\end{aligned}$
$\begin{aligned} & \text { the period, and pro- } \\ & \text { bably over } 10 \text { times } \\ & \text { ber }\end{aligned}$
$\begin{aligned} & \text { her own weight at the } \\ & \text { commencement. Tak }\end{aligned}$
$\begin{aligned} & \text { comg } 21.5 .100 \mathrm{llys.} \text {. inilk } \\ & \text { as equal }\end{aligned}$
$\begin{aligned} & \text { as equal to a quart,sh } \\ & \text { gave } 2,408 \text { quarts. } \\ & \text { am confident that fo }\end{aligned}$
$\begin{aligned} & \text { am confident that for } \\ & \text { the average of her }\end{aligned}$
$\begin{aligned} & \text { milking period, two } \\ & \text { winters and one sum }\end{aligned}$
mer, tifteen pounds of
her milk would mak
that she actually, pro-
$\begin{aligned} & \text { duced between he } \\ & \text { two calvings } 245 \mathrm{lbs}\end{aligned}$
$\begin{aligned} & \text { two calvings }{ }^{245} \mathrm{lbs} \\ & \text { of butter. }\end{aligned}$
will take more test, we
during the year before moving heaven and earth to save a half con- beginning April 22nd, 1872. her fer yield was sumptive aninal, or going a hundred miles to pur. 3,160 pounds of milk, or (by the above compu
chase a heifer cheap leceause she was thought bar- tation) 2102.3 pounds of butter. She had no en, that Bates - or any other old bree'er made a extra care, and was never in high condition. herd. It is not by such means a good 1 crd can be
made now; and as this is being found out, we car:. not wonder altogether that reaction in some cases $\begin{gathered}\text { while to yield as much butter in proportion to her } \\ \text { gees too far }\end{gathered}$ condemn the present, thoughtlessly and ignorantly $\begin{aligned} & \text { weight she must produce over } \\ & \text { in her last year, commencing more than five month } \\ & \text { after dro }\end{aligned}$
cond How to feeri, sal:--A good plan is to have harrel of satt in the feed roon, and it is cat an
handful
noistene, in the the feel hol of feel as in in summer an equa

External Parasites on Animals. Of all the external parasites, the scab insect
produces the most terrible ravages ; but there are produces the most terrible ravages; but there are
several others of an inferior order, in point of power of annoyance, which are ñevertheless very
detrimental to the well-being of those animals which have to play the unfortunate part as host to them.
Ticks, fags and lice are common names for three the shepherd and herdsmen. Ticks-that is, the true tick (Ixooles ririnus), and the common tick or fag (Melopluagus ovinus, , are constantly found
on sheep and lambs. The former is a true and
insatiable blood sucker, which buries its sucking apparatus in the skin, and extracts an amount of
aital fluid which sometimes fatally vital fluid which sometimes fatally exhausts the
animal when a large number of the parasites are animal when a large number of the parasites are
collected together, and more especially if the subject of attack is a weakly animal.
Some time ago great mortality was occasioned
among lambs in Kent, from the ravages of ticks. among lambs in Kent, from the ravages of ticks.
The season has been particularly favorable to the
devlepement of the young broo devlepement of the young brood; and the lambs,
which were feeding in thickly-wooded districts which were feeding in thickly-wooded districts,
soon became covered with the parasites, whose soon became covered with the parasites, whose
united efforts soon exhausted the system of blood,

and the animals died from hemorrhage. On postand the animals died from hemorrhage. On post| mortem examination, the tissues and organs were |  |
| :--- | :--- | :--- |
| found to be completely blooulless, and it was | waice |
| mas |  |



## It is very clear theat Culture.

 It is very clear to the most superficial observerthat, to make a paying business of wheat raising, a large yield is indispensable, for in any event yo
have the rent of the land, the cost of tillage, the price of seed, the labor of harvesting, and the ex price of sedreshing to meet, before you can count
pense of threr
anything for profit. Consequently if your crop only equals this expense, you have gained nothing;
if it falls below it, you are so much poorer. Therefore, a large yield must be obta
to make the business a profitable one.
So make the business a prontable one.
Some soils are naturally adapted to the produc-
tion of wheat; others are not, owing to the lack tion of wheat; others are not, owing to the lack of
certain constituents. which are essential to the production and perfection of a wheat crop. On soils
well adapted to the growth of wheat, the main well a tapted kept in view by the cultivator is to so feed the land with such fertilizing materials as
will not only keep it in its natural condition, but will not only keep it in its natural condition, but
also enrich it with the elements which enter into the growth of the wheat plaut, to such a degree as greatly to increase the product each succeeding
year. On those soils which are deficient in food year. On those soils hart, much larger cost is demanded in
for this plant, a mut order to bring it up to a state of fertility, so as to
make it profitable to sow wheat upon it. Some make it prontable to so
soils may be so meliora
this others cannot be.
In many localities the land is so wet, owing to a very retentive subsoil, that wheat will not be pro-
ductive upon it until it is underdrained. It is often the case that such soils, after underdraining and thorough tillage, become highly productive of this
cereal when sown upon it. With other soils, thorough surface plowing, and a subsoil plow ruu from eight to ten inches deep in the bottom of the
furrow, will so far drain and zrate the land as furrow, will so far drain and arate the land as
greatly to improve a crop of wheat, or any other crop. We know this by experience, having prac-
ticed it for years. Such soils as abound in sand ticed it for years. Such solls as abound in sand
may be made less proous by the application of a
moderate amount of clay drawn upon it, with the use of a large amoun of the manure of horne cattle, whe my the application of sand, horse and
productive by protuctive
sheep manure, and apther substances which make
it warmer and more porous. Wheat is naturally it warmer and more porous. Wheat is naturatyly
a lime plant, and where there is a deficiency of this a lime plant, and where there is a deficiency or wil be of great utility, where it is sufficiently con Where lime is absent and gypsum abounds, this may be made a very good substitute, as gypsum is composed of the lime, the sulphuric acid is valuable
addition to as it will change the carbonate of ammonia, whic is volatile, into sulphate of ammonia, which is
fixed and carbonate of ammonia is constantly be fixed; and carbon the soil, by the decompusition of all organic substances therein. Decomposed ma nures of all kinds bring into the soil, when applie
for wheat, a great variety of the constituents that for wheat, a great variety of the constituents that Indeed, nearly all manuring substances are lene
ficial. ficial.
A judicious "rotation of crops," where thin
plowing has been deep and thorough in the com mencement, and a large supply of organic ani
mineral fertilizers have been added to the soil dur ing the "rotation," with a tine "clover lay" to
be plowel under for the wheat, is one of the bes be plower under insuring success in this cultivation, and
modes of
when a wise and thorough course is pursued, fail ure is almost impossible. Summer fallowing oin land whice is greatly to the production of an ample weeds, tends greatty
crop of this essential article for lreadstuff. Fre crop t plowings have the effect to equalize the various; substances in the soil over the exposure to atmospheric action causes directly the decomposition of these minera substances and brings them into a soluts.
A careful selection of the most approved varie-
ties as seed, and a certainty that it is free from smut and foul seeds, is very mportant in the etfor
to grow a yool wheat crop. II seed is old, or has been heated in the mow or bin, the germ, may be
injured or destroyed, and in that case will fail to injured or destroyed, and in that case wins. We
produce a full anl vigorous growth of plants. years since, on twenty acres of new ground, where
not more than half of the seed germinated at al. It is a very general notion in this country that
wheat will not do well on old ground; but in Eng. land, from the best information we can obtain, it
is a common thing to have a yield of from thirty
to forty bushels to the acre on land that has been
in cultivation or hundreds of years. This may be
隹 done in this country as well as there, if the prope
means ape used.-I.V.M., in Ohio Farmer.

## Providing Grass Sced.

Every farmer uses more or less seeds of the
different grasses and forage plants. Most of these seeds are purchased from dealers or growers, few farmers beingso situated astogrow all the grass seeds
needed for stocking down pastures and meadows in the spring. The season is coming on when these seeds must be sown, if ever. It is time to look around and see where these can be procured to the
best advantage, or at the cheapest rate. Both hese requirements are, or must be, kept in view; will not do to buy seeds with either object
riew alone. Seed bought at the best advantage
re money at the outset, yet may be the cheapest. ern New York may be adduced. Wishing to sow a little Alsike clover seed, he consulted the catatransient dealers. Prices ranged from seventy
five cents to one dollar and twenty five cents per pound-the diffierence, fifty cents per pound,
was considerable-so he concluded to send was consides offering the seed at the lowest prices. The seed grew well, but the next year several stools of the white or ox-eye ctaisy bonssoned
out finely. They were dug out, of course, but new ones have appeared every year since, from seed which have hitherto remained dormant in the
ground. ground. That seed was not cheap at any price.
The same person wished to sow some more last seakon. he was at the trobble and expense of taking a journey of sixty miles in order to person
ally examine, at a large seed store, the samples of ally examine, at a large seed store, the samples
Alsike seed. The seed purchased was previously examined with a magnifying glass, and no ox-ey
seed could be detected. This Alsike seed cost seed could be detected. This Alsike seed cost
more than advertised prices, but the purchaser more than advertised pr.p.
will probably tind it cheap.
It is wise to sow the best
It is wise to sow the best seed and to sow plenty
of it. It is wise also to buy only of seedsmen of it. It is wise also to buy only of seedsme
who have an established reputation for accuricy, carefulness and responsibility. The reputation of such is worth more than the profits on a whol
season's sales, and of course their goods can be relied upon. They also have a direct interest in selling only the best seed, since usually the result
of such sales are "a standing local advertisement' in every section where sown.
It is necessary to sow plenty of seed. Ten cents savedinsee resute has ever reported that he had sowed seed too much. All errors have invariably been made the other way, as far as known
If the "penny wise but pound foolish" course that
of
seed $\begin{gathered}\text { sowing } \\ \text { as }\end{gathered} \quad \begin{gathered}\text { as } \\ \text { possible }\end{gathered} \underset{\text { is }}{\text { few }} \begin{gathered}\text { pollowis } \\ \text { followed }\end{gathered}$ the hay crop will be quickly gathered, and in
winter oonbe gone. Just as much seed must besown as will stock every square inch of the ground with at least one growny plant.
more seed than just the number of square inche of surface in field Four or more times this amount should be provided, for much is nevitably lost
The seed should be scattered lavishly enoulh secure a good stand, if it takes a gool half bushel
of seed to each acre to be seeded down. - Countr",

Tillage and Heavy Manuring.
Two very important helps to earliness are not
ufticiently understood -heavy manuring and high tillage. Heavy manuring is usually given with
view to big crops, and no gardener for a moment view to biy crops, and no gardener Ror a no seve ves
would think of dispensing with it. But it
further purpose--that of inducing a cuick growth a further purposse-that of inducing a quick growth
When plant food is ready at hand in abundance of course the growing crop consumes more of it;
and this very food develops more feeding organs which in turn help to build up the plant and to
send the roots deeper. Altogether a thrifty quick and tender trowth is inducel at a time
when, in poorer soil and unfuvoralle weather The plant would but tarely live and hold its own.
The most marked effect of heavy manuring for earliness, is especially noticeablile on cal,hage littuce, beets, asparagus and rhubarl, Upon
these crops it pays to apply at lea, 100 tons of these crops te pays treluent and almost constant
manure per acre. Find
tillage pays not only for the increase of the crop tillage pays not only for the increase of the crop
but also tor quickening it. This effect $I$ have no.
the hot weather crops-tomatoes, cucumbers,
melons, squashes, beans and corn. melons, squashes, beans and corn. So much is
gained by frequent tillage, that I think if two
crops of molo crops of meloqus be traised, one on sod in the hot
bed and set out in the garden and given the usual bed and set out in the garden and given the usual
tillage, and the other planted at the time of set-
ting out the first, but giving three times the usual
 atter crop will be as arrly, if not indeed earlier
han the former. Cabbage, too, seems especially than the former. Cabbage, too, seems especially
susceptible to this forwarding by tillage, and if
to this be alded the heavy manuring efore recom. ot this be alded the heavy manuring before recom-
nended, the capabilities of the crop will certainly mended, the capabilities of the crop will certainly
astonish the inexperienced. 1 have noticed such
remarkable results from remarkable results from constant, thorough tillage,
not only in promotion of earliness but in increase of yield, that I have thought upon this class of crops manure might be dispensed with, and yields
boh large and early be secured, if the tillage only
be sufficient.- $J . B . R$, in Fruit Recorder.

## dorrespumderce.

British Columbia.
SIR, -In reference to Mr. E. Topping's enquiry
for information respecting British Columbia, and for inormation respecting British Columbia, and
in reference to the agricultural tands in this province, I would say that this is not generally a
prairie country, but, on the contrary, it is a timber country, with a limited amount of prairie
scattered through it very sparsely. The quality of the soil is generally good where it is not mountainous. The most of the prairie lands are already
taken up, and the timber lands are the only land taken up, and the timber lands are the only lands
available for settlement. Dnring this summer available hor settlement. deal of land taken up in various parts of the country. I may say that quite a number of land seekers have gone away
unsatistied. The land law is very liberal ; every
british unsatistien. The land law is very liberal ; every
British sabject is entitled to 160 acres free by be coming an actual settler on the same. Any person
can purchase all that he wants at the Government price, $\$ 1$ per acre. In the free grant system, you get your deed in two years after making improve.
ments, to the amount of $\$ 2.50$ per acre ents, to the amoun
Timber land is generally very heavily timbered
with fir, cedar and other small woods, such as vine-maple, alder and birch.
All kinds of grain and root crops grow to good
perfection, excepting Indian corn, which is not perfection, excepting Indian corn, which is not
snited to the climate. The climate here on the east of the Cascade range is comparatively the ame as the climate of England
The price of all kinds of grain is about two cents per pound, which whishot enough, compared with the
price of labor, which is from thirty to sixty dollars per month. This is a good chance for young men,
and in the event of the C. P. R. commencing soon, this will become a large field for labor.
The Local Government is expending a great deal
,f money in openiug up roads in the different setlements, which will be a great advantage to new
lettlers. School houses are built in all the settle nents as soon as there are fifteen children of schoo pay is four cents per acre of road tax. The Gov criment pays the teachers' salary, say from fifty to eventy dollars per month.
(iood common horses are Good common horses are worth from $\$ 150$ to
$\$ 200$, and are scarce; cows from $\$ 30$ to $\$ 50$, accord ing to quality.
Lumber for building purposes is
worth from $\$ 15$
to $\$ 25$
per 1000 . very exponsive. Boarl is $\$ 1.50$ to $\$ 2$ per day.
 start carly in the spring. There are two steamers
per month from San Francisco to Victoria, and two per week from Victoria to New Westminster.
AdAM InNes.
Langley P. O., B. C., Aug. 14th, 1875.
[Mr. Inne\& will accept thanks from us and from fur enquirers for the information given. As Mr. real practical Canalian farmer, we consider infornation can he obtained from him such as intending immigrants require better than from any other source we know of. Should any of you write to him, we would suggest that you should enclose omething more substantial than a stamp for reply, ne know many write and ask queries for private thes, and not consider that time, brains or stationery cost anything.-ED.]

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## [We are pleased that in parts of the country the farmers are uniting to protect themselves and their property from the vagrants, who, being too lazy to property from the vagrants, earn their lio livelihood honestly, prey on the , honest earnu therl ivelloons. The union of law-observing men and industrious. Lesirous $t$, have the laws of the lans efficiend enforeed and evil-doers brought to tustice, ism nendiable. We have no fear of the farmers of Canala ever degenerating so far as to resort Late of soceiety constituted as every part of the Empire is, to permit for a day any other. With regard to the letter from Mr. Rogers, published of their Protection Society, and reserve it for further use, if necessary. Should the farmers of any ther district think well to formul a simiar somety, Mr. Rogers would, we dare say, let them have copies.-Em.] <br> Feeding stock, Nc. <br> $\mathrm{S}_{\mathrm{I}, \mathrm{B},- \text { Would yon ylease to give what interma }}$ tion yon thiuk most proper on the best method of cultivating and larvesting common white beans as   for stock Thave seen it ithe straw cutter, and cot anout an inch long with the st tea made from it of calves, and when there was tea made from it for calves, and when there was about one-forth of it thistes, they thrived bette about one- forth of it thistesest they thr and would be much obliget to yon for it. dry har. <br> planted them whole. The land was rich and in ood order. 1 put thene in wow ander they com- ight inches apart in the row, and and mencel to grow above the ground, I covereed them with rotten straw and chaf two nnches deep; amd when they were for or five one sprout at each po hrough them and just teft lato. It was land that <br> The result of the experiment was an extremely large yeild of extra large potatoes. A great many fif the stalks hard three potatoes larger than a turof the stalks hal three potatoes larger than a key's ega and two or three the size of marliles. <br> Oneida, Haldimand, Aug., 1875. <br> [We have not heard of the Canada thistle having been analyzel, the great aim of all conversant with it being to extirpate it from the soil as soon however, that it is possessed of nutritive proper ties of no mean orler, and might be used for some beneficial purpose. By means of its long roots it draws its foot from a greater depth and wider ex tent and this food is from the stores of tod the thin nures. Some auimals preer it for food to est grasses. For damping hay, your trial and its sucesss are confirmatury of our old experience, and we dare say that of many others. Late in the season we had the hay always damped for our horses, though not by such an ingenions scightly ance as that cescribect. 1h hay before using, stock salted when saver and damped eat it with greater will relish it much more anchexperiments as " J . avidry E., sives with hay and potato planting, will always find place in our columns, and we will thank him to let us hear from him occasionally.-ED.] <br> Blindmess in Sheep. <br> In reply to an inciry from a sulsseriber for the most effectual remedy for blindness in sheep, Mr. Exuys has sent us the following recipe, the result of long experience in England: <br> Sir, - Your conrespondent wishes to know a cure for bliuduess in sheep. Perhaps he has been keep. for ,iniessin sheef Perrhaps he has been keep. ing them in a cull, bileak place, which will be apt to hring on bivinlines. If it it it the same complaint Thave seen, it will be likely to go through the Hock. 1 It also makes them very poor, and the will require goowd attenlance ani plenty of good, nourishing foot. 11 lave never known the follow nourishing fool. 1 1 ing fail to cure them: <br>    eye hotiug trie teal hood may fall into the eye, as they generally are intlanel. The powler must be    slecep. heal. <br> Perraps y your correspounlent will he kind enough th let us kuow low it has succecelelel, through the <br> T. Evans. <br> L.ondon Townshin. <br> Poultry Disease <br> Sir,-I have a Brahma corek which 'has the following synptons:- (iapes with his mouth, vomits; crop swollen; wings and tail drooping ; comb and crop soolen; wings and tail troopng; conh ing gills turned to a dark purple color ; eats nothing Woold you or some of the sulscribers to your valualle paper inform me what the disease is, and valualle paper inform me whe the beest monce of treitment. <br> Michafl Nevilile. <br> Forest, June 16th, 1875. <br> ers who know san <br> [Will any of our subseribers who know some thing of fowls, their thiseases and the remedies, kind enough to write to us m reply to Mr. Ne, In the Seplember number of the Advocate, page

Eversley P. O., King TP., Aug. 20th, 1875.

Grass for Pasture.
SIR,-In your last issue the question is asked as
to "the best grass to sow for pasture," to which
Sto yon reply ybsigestiny "ot sow small portion Grass) mixed with other grass." Allow me to
suggest to you that Red Top and Blue Grass are not identical. The Red Top of the West is th
Poa serotina, and the Red Top of the East is th Agrostes vulgaris of botanists. We think th
Western Red Top the best for pasture. Blu Gestern is the smooth-stalked meadow grasss of Eng.
land -the Poa pratensis of botanists, and perhaps the pasture grass of the world. Red Top will
grow in any dry soil, but it delights in wet ground grow in any grow where no other pasture grass will grow, viz, in swamps. Orchard Grass is desirable
for winter forage for stock in the open field. for winter forage for stock in the open field.
will grow in woodlands in the midst of underbrusi) and bushes, and where allowed to grow through summer, the stock will feed upon it in the winter,
gathering from the brush when grown, and then it gathering from the brash when
affords an early spring pasture.
The best mixture of grasses
The best mixture of grasses for a permanent pas ture is Kentucky Blue Grass (Poa pratensis)
Red Top (Poa serotina), Orchard Grass (Dactyli glomerata), in equal parts.

$$
\begin{aligned}
& \text { lomerata), in equal parts. J. M. } \\
& \text { Norwood, Ohio, Sept. 7th, } 1875 .
\end{aligned}
$$

[In the September number of the Advocate, the phrase-" were you to sow a small portion of Or chard Grass (Cocksfoot) and Red Top (Blue Grass) mixed with other grass," should have been "were you to sow a small portion of Orchara Grass
(Cockstail), Red Top and Blue Grass mixed with other grass seeds." For a permanent pasture, the grasses we have named form the best mixture, but years, they would mot be found sufficient. chard Grass, valuable as it is for mowing and pasture, does not yield its heaviest produce till after the first year. The great value of Blue Grass throughout America is for pasture; it is little worth for hay, though in England in all the ol meadows it forms a principal part of the hay. sow for pasture and to mod Orchard Grass, Blue Grass and Red Top, with a few pounds of Timothy Grass, and Red Clover 4 lbs., and White Clover lbs. per acre. The Timothy Grass and Red Clove will add much to the produce of the year's hay and as they disappear from the pasture their place will be occupied by the other grasses and the White Clover. Of all the grasses properly so called, we consider none better for pasture in many respects than the Blue Grass. It is "the smooth rich verdure thronghout the year. Orchard Gras rich verdure throughou of the drought of our con-
withstands the effects
tinent better than the Blue, and in this it has the advantages; it also makes an earlier growth an
produces a greater quantity of fool.-ED.]

Oil Meal.
Sir,--Be kind enough to let me know, 1st-If
oil meal would be good for feeding lambs hen first weaned; 2nd-Whether a little would be good for nd for what price may it be obtained? I saw short acoount of it in the ADVocate, but did no
learn these few particulars. By informing m learn these few particulars.
you will very greatly oblige.
Springfield, Aug. 17th, 1875. [Oil meal is a good food for all young stock, but hould be used in moderation. It is very nutri tive and salutary when so used. It is sometimes used, and with very good effect, as a remedy for
constipation and costiveness. Have been enguiring, and find that oil cake, ground, can be pur chased here at 2c. to 3c. per pounc. (is not to be had here. The value of oil meal and oil cake is not sufficiently appreciated in this new country.
It it prapared for use by pouring boiling water on it in a tab or pail, and covering it up for a short time with a cloth,
retained.-EL.]

## From Sarawak

Sir,-I wrote you on the 13th inst., on the sub ject of "Lightning Rods," and also some remark respecting the effects of sheltered situations as
regards frost. Another illustration of these observations has lately occurred:-On the night of
Sunday, the 22nd inst., a sharp frost occurred in the rear concessions, but there was not the
slightest appearance of frost on my farm, or on
those adjacent fronting on the bay. We escaped those adjacent fronting on the bay. We escaped
the hoar frost also. At sunset, on the 22 nud, the hermometer on the north side of my house stood
at 55 , one degree higher than when the hoar at 55 , one
rost occurred.
The destruction of insectivorous birds is to be
regretted. It is forbidden by law, then why is it not prevented? I can only suppose because it is
everybody's business to enforce the law, and no body attends to it. As for those persons who hav so-called scientific purposes, I can only say that as their licenses to shoot can give them no right person shooting small birds on my farm, I should warn him off as a trespasser, and if he refused to go, I should bring him before the nearest magis-
trate on a charge of trespass. As for farmers' boys
. trate on a charge of trespass. As so not the ir's so
shooting small birds, the fault is not
much as their parents', who neglect to train them much as their parents, who neglect their sons to
up properly; and if they will allow the up properly; and if they will allow their sons the
grow up worthless vagabonds, they must take the
conseguences.
As the season for green apples has come round
again, and the irrepressible small boy who would again, and the irrepressible smal bey worn with a natural propensity
seem to have been born with
to steel apples is on hand auain, I offer the result to steel apples is on hand again, I offer the result
of my own experience in this matter, and advise of my own experience in this matter, and advise
those who wish to preveut their choice fruit from those who wish to prevent their cen down by noc-
being stolen and their trees broken
tarnal biped depredators, to follow my example, tarnal biped depredators,
and give them some. The first year my apple
trees came into bearing, I desired a neighbor to trees came into bearing, his vicinity who might
notify any youngsters in hi
want some anples to come and ask for them, as I want some apples to come and ask for them, as
did not wish them to think that they could get no apples from me unless they stole them. of them called at the house on other husiness gave them some, and occasionally sent them some,
as opportunity offered. Just as I expected, al sopportunity offered. Just as 1 expected, al ruit, apples, pears and grapes, yet none have been
tolen; and certainly I have not had to give away one quarter as many as I should have had stolen, acted on a different principle, have had their fruit
tolen and trees broken down, and if they did not keep good watch dogs, would have but a smal
guantity of fruit for their winter use. I woul not be annoyed as they were for all the fruit in
te neighborhood twice told. If you doubt the the neighborhood twice told. If you doubt the
efficiency of my method of saving my fruit, just y it once.
Harvest
Harvest is progressing slowly, but the crops
enerally promise well. I have heard that some
armers who procured the soott Wheat from farmers who procured the scott wheat from me
last year, are not well pleased with it. One far-
mer who sowed both Treadwell and Scott Wheat, plowed up the Scott Wheat in the Spring, whils
the Tread well has given a fine crop besides they the Treadwell has given a fine crop, besides the
say it shells out too mnch, as indeed it does. My
eif and say it shells out too mnch, as indeed it does. Ny
self and one of my neighburs procured our sco
Wheat from the same person two years aro Wheat from the same person two years ago, and
tried that and the Treadwell in adjacent fields with the same results. On both our farms the Treadwell Wheat was more severely winter kille
and more affected by the rust than the soott
Wheat Wheat. We have no rust, and not much midg
in our wheat this year. I think the nights have
been too been too cool for then, and if the wheat yields
well in the threshing, we shall have plenty to be
thalk ally with the present prospect of better prices th we had last year. As for our that a combination
in that is in so few hands, amongst the buyers may reduce the price at any
time, and here 1 may ask the tuuestion, if the
American Government American Government were to admit our grain
duty free, should we be any the better for it
Uine tenths of the Nine-tenths of the Fall Wheat raised in ©ntar in
is sold in the State of New York, principally in is sold in the State of . ew York, principally in
the rich cities which line the banks of the Erie Canal-not more than one tenth is marketed in
Montreal. We have to sell our Fall Wheat and Barley to the Americans, because we can sell
these grains nowhere else, and they buy from us, these grains nowhere else, and they buy from us,
and pay their own inpport duties also, because they
cannot get them of equally good quality any
where else. They buy as mueh as they want now arere else. They buy as mueh as they want now,
and if the import duties were taken off, they
ould buy no more than they do, and is it it alt Would buy no more than they do, and is can help?
likely they will ever pay more than the
If they do, they must be greater simpletons than if they they will ever pay more than they must be greater simpletons than
If take them for catch brother Jonathan a weasel asleep if you can. The high prices obtained for o sow a greater breadth of land than usual with arley this year, and I should not be surprised if
he dealers in that article take their revenge for the high prices of last winter, and break down the
market now. If it suits their purposes they cermarket now. If it suits their purposes they cer-
tainly will, but that is no reason why we should tailly will, but that is no reason why we should
raise less barley in future As a feed for horses it
is more nutritious than oats. "Buy te bit is more nutritious than oats., "Buy the big horse,
barley will make him swift," say the Arabs, who barley will make hinin swifl, say hhe Arabs, who
feed their horses principally on barley. As a food
for pass it for pigs, it makes better pork than pease, and 1
mayy say the same as regards feeding cattle also.
As for As for the advertised cattle ieeds, 1 have no faith
in them ; I procured a dollar tin of Cattle Feed
two two yeers ago, as I was feeding a cow for family
use, it was mixed with chopped feed, (pease and
oats,) strictly according to the printed directions. oats, strictly according to the printed directions.
For a week or two the animal ate the choped feed
very well, and then refused it altogether very well, and then refused it altogether; we
discontinued the cattle feed for a time, and 'then discontinued the cattie feed sor a result, and 1
tried it agan, with the same rese
have the greater part of that cattle feed now. A Michigan girl is said to have tried mixing
nome some condition powder in a drink of cider one
evening, for wooing, to make him lively, as she expressed it,
but with the but with the same result as giving the feed
cow, it did not answer at all.-CC JuLYAN.

## Buckthorn.

SIR,-Can you inform me of the best way of
raising Buckthorn from the seed, and whether it is to be sown in the fall or spring? I also want the same information with regrr to White Thorn, By giving the above in
you will much oblige.

Archibald Stewart.
Bristol, Aug. 28th, 1875.
[Of Hawthorn, or Whitethorn, as it is also called, the Haws are gathered as soon as they are ripe and stored in a pit, covered pretty deep with earth, where they remain till spring. By this means they ferment, so as to make it possible for he kol to germinate and the tender germ to make its way to woull remain imprisoned in its shell. Suffering the haws to dry would destroy the vital principle. Buckthorn berries, we presume, aro treated in the same manner, though we have not hall the same experience with them as with the haws.-ED.]

## Butter Making.

Sir,-I saw an article in a number of your paper
headed " Making Butter in Winter." The process hus laid down is attended with considerable per temperature and removing the pans to a room Th go through the heating process upon the stove.
The ofject ef hutter making is to get the best and most hutter from a given quantity of milk with the
ceast troulle and expense. I have had consider. al, expericence in winter butter making, and I amm
satisfied I can make more butter from milk strained into puns and put where it will freeze solid. When
it is time to remove the cream, I bring the pans into a warm room; when the cream has softened a iittle so it can be conveniently removed, I take it
nff from the milk, and there is not a particle left
 his nethod 1 am satisfied I can make more butter
irom the same quantity of milk than by and of hetter Havor, for it is removed entirely from
the oulors of the kituhe the orlors of the kitchen, or anything that it could
partake of to change its flavor. Stanbrilge, P. (40
[Wur fair correspondent will, we hope, excuse our dalding hack her onntribution till now, when the time for making hutter leing nigh, the lesson if published carlier. We hope to have other confributions in goorl time from " c . W."-Eu.] - -2

194
Garden, ©rchard aud forest.
Making Wine from Native Grapes.
The following receipt for making domestic win from Catawban or Isabella grapes, used
Nicolls, at Roading, Ponn. is commen,
giontloman who has tried it successfully

1. Solect perfoetly ripe hunches, and then care
fully pick of the stems and remove all grapes
which are not quite ripe.
2. Squeeze the juice out, either by hand or press strain through a hair sieve, and pour it at onoe in $a$ clenn, sweet warres or keg, mang of
vessel two gallons of water for every gallon of juice made.
3. At the same time $p$.
sugar per gallon of juice.
4. In adding the two gallous of water stated in section 2, let it strain through the pulp, skins, \&e,
of the residume of the grapes the the bung hole,
5. Fill the vessel full, up to allow the formenwhich cover wale
tation to escale
tation to escappe.
6. Watoh the barrel daily, and clear or scrape
and away the scum, which will bo thrown out in large quantities.
7. As the wine falls below the hung, fill up
daily (after clearing away tho scum) with sugar daily (after cearring male with two pounds of sugar to the gal-
wanter, mater. lon of water
8. The fermentation will contimue from three th
 coased, I pourech gallon of juice, to thow wer the
of bramy to the brand
surface and prevent its souriuy; but the brady surface and prevent its somring: hut the brand
may not tow indispensallo. Then loung the vessel may not
9. During the colld weather in, say, the follow dog February, whent draw it off into any other clean vossel, the quickly eloan, scald and rinse thoroughly the har-
rel in which the wine was made, and return the reo in which the wine was made, and return
wine to it, lung it up, and draw it off as renured wine to.
for une.

If you wish to make a wery palatable chanpagne have the champayne hot les ready when yon
rack oft the wine, as stated in seetion!? pitt
 tahlegpowthen with with w wine lean ing shout one ank
the; then the A half inches clar helow the bothon of the with
 11. The wine will improwe ly age, ater timp
eration described in section?. 12. An ohd handy (se whiske seetion ?.) Now her harrel. hest wine will taste of the woult
13. Almut hifteen punds of grapes will sive
 It Keep the wine in the ohar, when 15. An appoximate vetimate, of the quantitic reymin
lows:
, make thath dahlo of whe

One humdred sund difty munds grapes, necher the pulp residuin section s.
If cardully mado, the whe will be whlysum

 repurter to have hecth heme

## thour tpule drowins 

## Directions About Lawns.

 If the surface is rough, there are two ways ofmaking it smooth and even. The first is by breaking up the whole ground, working and reworking Il the gromind isw, reseeded son rose at the rate rot of at leant towo bushhels of of rass seed per acre, and roll or
brush it in Red.top, white clover and Kentacky blue grass will give a good green carpet. If re
turfed, make the bare surface perfectly even ani level; cot the turf from an olld, even pasture, witl
straight edges, by means of a stretched line, and
 and scrape the earth side perfectly even by means
of a sharp hoe. They will thus form an even surof a sharp hoe. They wilt thus torm an even sur-
face when laid, and rolling will make the whole as
smooth as as aloor. smooth as a floor.
The second met
The second method of making an even surface,
to apply sand or fine sandy loam to the surface, is to apply sanc or fine sandy loan o the surface,
and rake it level, by which it will fill up all the
nell hollows or depressions, and the grass will grow
through the sand. through the sand. This is well adapted to lawn
which have but slight inequalities of surface. If the defect consists in the erass being too thin
or sparse on the lawn, the whole surface may be losened with a sharp, steel rake, or a fine shar
harrow on a a larger scale, and grass seed sown as al ready directed; and its germination will be greatly
assisted if the whole surface is dressed with fine compost before sowing and raking In some in
stancee a better seeding will be effected by break ing up, as already deseribed
If the lawn is defective from the growth of coars One is to pull up all the weeds immediately after a Iong rain, when the ground is soft, or to cut then out with a spud; and the other is to summer fallow
the whole ground for one season, keeping the sur the whole ground for one season, keeping the sur-
face stirer and clean all the time, which will kill
nen nearly all the weeds. This is to be resorted to
only in case the lawn is full of weeds, and in onty in case erte cawnis to warrant it. To keep a lawn in good condition, apply a top
dressing of some fertilizer late in autumn, suread ing it perfectly even. Coarse manure is objection.
 and the liability to scatter foul seed in this way.
But, if nothing better can be had, be careful to But, id iothing pectly even and not laave it in lumps, spa well as ot rake off all the tibrous material left
on the ground early in spring.
Finely pulverized on the ground early in spring. Finely puverized
compost answers well, or a compost mate of tuano or of hen manerse. The letartor may be undiluted,
provided it is in fine howder or it may be mate inprovideden it is is in fine powder, or it may be made in.
to a fine compost with road dust.
On some sail superphosphate answers well; on others it has no effect. The manure or composts may be applied in
autumn; the more concentrated fertilizers aarly in autumn;
ppring.
${ }^{\text {spring. }}$ The surface having been already made perfectly
even, will require no more rolling than is given to
it thy the lawn-mowers. it by the lawn-mowers.

## Fall Planting of Raspberries.

 It is seldom that any one expects to ontainfruit from raspberries the first year they are set out, and those who dro are asuale disappoited
It is $t$ therefore worse than useless to leave long canes upon the rotots when planted out, for theoe
only draw to themselves strenght, which is needed onty draw to nemoneseses for siving fruit the following
to produch ne
year. The canes of all are commonly cultivated species and varieties are biennial, that st--they grow one season, produce fruit the next, then die. This
being the natural habit of the raspberries, very litllo oned be expected from the canes on the
roo:s when transplanted, for if they put forth Yoo:s when transplanted for if they put forth
leaves and lateral shoots all will die before the end of the frist season, no matter how careful orie may
be in trying to preserve them at the start. The better way, and the one usually practised, is to better way, and are the ores oreater portion, at the
out
time of set setting out, allowing all the strength of the roots to be thrown into the new canes, which
must spring from them if the plants live and thrive Bat as the roots of raspberries, like the currant and gooseberry, commence growing very arly in
the spring, or within two or three days a atter the the epring, or within two or three dayy arter ne
frost leavesthe ground they annot be tranpplated
too early if to to do done at this season. The ground Coo early
is sillo in 2 a condition to work with ease suffit
ciently farly
to admit of
moving these plants cefore growth commences, hence the advantages to
bent be gained by planting in the fall. As we have
said, it is ony the roots that we care about pre
 surng the winter, it is no Ioss, for the young
shoots wwill beall the mor vigoros the enextspring.
The roits are
well protected in the earth, and in a position where the ceat ngow $\begin{aligned} & \text { hen the season } \\ & \text { arrives withoot being disturbed. We weuld neve }\end{aligned}$ defer the planting of rasporries until spring if it
could be done in the fall, and we may add thet could be done in the fall, and we may add that
currants, gooseberries and blackberries will succee currants, goseberries and blackberries wilsscceear
better if lianted at this time than in spring.
Rural New Yorker.

## Pruning the Grape.

The traatment of the vine the first year is to
not let but one shoot trow and pinch one off abo the last of Aumust so the wood will ripen upp th
stand our winter better. About the last of t vanber or whe first of of December, 1 take the vine from the trellis, trim it, and bend it down and
over it from four to six inches deep in the eart over it from four to six inches I leep in the earth
and leave them in this condition until the first on middle of April. Then 1 uncover the vines an wash them off clean with soapsuds, or use a forc Mamp which answers a very god purpose
wash the dirt off and to moisten the buds so they will develop more evenly. This should be done
frequently until the are well leaved out. Thesecond year I let two shoots grow and treat them in the
in same manner as the first year After the third
sear, you have encouraged the srowt
 farther than this, on any condition whatever, for
fear of letting it orerbar. 1 have always adopt.
 In the fall the present seasou's growth of the wood,
to the third eye of each spur. This is the manner that $T$ have ayways practiced since 1 commenced the cultivation of the vine, and I have been very
successful in getting good fruit. If I think the vitality of the vine reyuires more wood, II let the end branches extend a little farther at the ime of pruning, but often make mistakes in get-
ling too much bearing wood than otherwise.

## Onions Sown in Fall.

Last year we pullished an article by Peter Hen.
derson, in which he gave the experience of a Long
and Tsland market gardeerer who sowed his onions in
Autumn. WVe garden last Fanl, but the sowing was not made
until the very end of September, and the young antit the very end of september, and the young
plants did not make sufficient growth to stand the very severe winter, even though they were well
covered. Still the sucass though covered. Still the suceass, though only partial,
was sutficient to show that this method is worthy of consideration, and from the amount that came to maturity on our bed this sum mer, have no doubt
that it will answer whateever sets are used ; but where onions can be raised directly from the seed,
there will be no advatnan from fall sowing except Ior such as are to be marketed green or very arly.
the idea is to sow the seed in fall at such a time as will allow the plants to form a bulb larg enough to stand the winter, ayd yet not so large as to run up to flower the next season, in fact, to raise
onion sets, which instead ore hy haty hesed, are
tobe left in the ground where they will he ready to grow as soon an aun he spre hing opens. On leang
Island the middle of September is tound to beth best time to sow further south it should be later, and north of that earlier. Success will largely
depend upon the time of sowinn, and this or all
 ment. The covering shoull. not be put on until
cold weather has stopped the growth of the bulbs, and may be of leares, straw, marsh hay, ir other
litter. Leeaves appliect while it is siowwh will
not

Superphosphate on Asparagus.
Peter Henderson says he has finump superphus
phate of lime very nsectul as an applicition to as phate of hime ery nestul as an application to as
parkus beeds, it the rate of 500 polums per aers
(which





fintitulture.

## Gardening Operations for October

 The busy season for all interested in gardeningursuits has again come round. Unlike its counerpart in the spring, when the season's prospecta the spring and summer's work, and see wherein we night have done differently to what we have; and dents cons with the ganden's work hav ranspired which have suggested a new line action for another year. It would be well whilo it down in a memorandum-book, which might also contain nseful hints on many other sabjects, to be
opened and looked over whenever the time for putting any of then into practice comes along
Usually in this sounth there is a large lot of lanting tone, especialy among fruit trees, and it
would be well tor fremers to consider mitting their trees to the ground in the fall, whe. her the piece of land upon which they intend to diaion of cultivation as towarrant thiri beeng gut
in or laid
nut coming of spring before setting out. tural works upon the merits of spring hard fall lianting, and the opimion seems to hold that noon oqually as successfilly as in sprimg. But upon as to retain, where the condition of the goil is such on all sides that it is best not to plant except in the spring.
We are
Confinel to the south antl wasterly portinons of onario, and that for the north and more easterly
portions of the Province, as Quebec, any trees receiver in the fall should be lowel to remain so for the winter:
Immeciately that a tree shows by the ripening
of the buls and drying ap of the leaves that $i t$ is In a fit condition to dig, then is the time to plant,
as the carrier they are, put in when fit to to re. movent the teter, giving the yong rootletty an
opportunity to torm and the tree an opportunity to rrepare itself in a measure for the winter
Especially should all fall planted trees be secure-
y fastenod top two stak es, one on each side of the ree, and driven town firmly so as not to allow of
the pussibility of thrown
 re a aste guard argainst mice, and will also protect
the roots in a great measure from the severe frosta. EVergreens should not be planted later than the
middle of septemler, and then, if the weather A piece of groondid in the kitchen garilen, upon Which potatoes or some early crop has been, grow,
can be well mannred now, trenched deef cann tee will manurect, how, trenched dierp and
planted with strawlerries. All hey will require is a slight covering of cornh stalks or long litter to
 early in the spring, while other things are growing.
Cut off the topas as soon as d dry from the asparagas beds, anil throw the scil from the alleys up on to the liel; ; it will help protect the crowns of the
plants sturing winter, luit must be raked off again in spring.
lin the
in
n


 agan" few worris sun gathering apples may not be ou


 let the larrols stand unicauted under a dry, cool

 ing frozen are entertainol.


89.--If
following following
they occ
of the yea in Ireland
of Malta, Who intrody
1491) ( the 1491); ( (the
(a great his retreat afte
who cut the who cut the
field Cathei field Cathe hidden r $\xrightarrow{90 .-\mathrm{Y}}$ other
wishes. $\xrightarrow{\text { 91.-TT }}$ country
capital:
guor; am

history puzzle. 89.-If you take the first letter of each of the
following men's names, in the order in which following men's names, in the order in which
they ocur, they will give you the date of the year in which the first parliament was held
in IIelandd " (The writer of "FFestus" and the "Jews in Ireland: (The writer of "Festus" and the "Jews
of Malta," who lived from 1562 to 1593 ); (the man who introduced printing into England-lived 1410-
1491); (the first great English poet-1328-1400); 1491); (the first great English poet-1328-1400);
(a great historian, B. C., who led the Greeks in a retreat after Cyrus was killed); (a great sculptor
who cut the monument of the Two Sisters in Litchwho cut the monument of the Two Sisters in Litch-
fiel Cathedral- 1882-184); ; a great painter who
painted the portrait of the only English king that painted the portrait
was ever beheaded.

| Answers to September Puzzle | The Stoyephipe Season. |
| :---: | :---: |
| IDA |  |
| TEN 77.-F | he atmosphere, and thought it would im |
| UPPER ELI ANT | 仡 |
| NEPTUNE FLORA | a little spare time on hand he guessed |
| ROUND IRE | turn to and do it himself. Now Mr. Smith |
| END | friechanical genius. He says |
|  |  |
| CarP; HadiI; AcoustiC; Ransa | Though his sisters had no particular dev |
| Eclips ; NectaR; SednesS-the initials are, | the "'lion share." He likes to do odd c |
| Charles Dickens, and the finals, Pickwick Papers. | the house, and jobbing is no trouble to him |
| 79.-As we were going through the Woods we saw | col |
| ar which had a cub. The hunter blew a big | an |
| n, and frightened a Turkey, which had lain an | once, and as it would |
| gy the sile of a Big Stone.. We caught the | had ample time to do it, |
| , took it home, and gave it some Milk. As the |  |
| nter, who called himself Portland Bill, was going | around for a while requisites are |

hidden rivers of england.
990.- Yoursemember we are
to collect rent on these and other houses, against our wishes. The foregoing sen
tence contains six rivers.
double acrostic.
Dovble ACROSTIC.
91.- The initials name a
nan 91.-The initials name as
country and the finalls tis
capital: A small bunde; lancapital: A small bundle; lan-
guor; amendment; beyond.
CANAUIAN CIFF.
hidden cities. 92. - My pa risked his life to save a man.
93.-He went into a salon done up with curtains.
94. -He asked is that or dinner. 95.-The debris told him
to help himself. to hep 96 himself.
He went a-dub, lingering to one side. verily, I do not know do Verily, I do not know.
Tom Ruston.

CuARE words. 98. - One of the points of the mariner's compass; a
word used by fishermen something nsed for washing something used by printers. 99.-A flower; above; half
a country near England. a country near England.
J. H. Houser.
diamond puzzle. 100.-A consomant; a piece of meat; a female's nam
displeasure; a consonant.
E. HART. 101.-Fore ATT $\underset{\text { A }}{\underset{\text { LeToK }}{\text { IRTA }}} \underset{\text { In }}{\text { InsAg }}$ A In St, charades.
102.-My first is an ah


 unnecessary, as our picture
fully shows. The finale(scene 4) occurs at three o'clock in
the afternoon. The remarks Mr. Smith gives utteranace to
here on putting up stove here on putting up stove
pipes, we do not conside pipes, we do not consider
worthy of pablication. He He
expects in the course of a expects in the course of a
week that his hands will week that his hands will
have recovered from the ents
and bruises received, and he have recovered from the cat
and bruises received, and he
will be fitted to attend to will be fitted to attend to
his office duties. When Mrs. his office duites. When Mrs.
Smith desires to raise row
in that house now, she has only to say "stove-pipes.
She uttered it once but wil not do it again until she get
her life insured. If any her life insured. If any of
my niecess are on the look
out for a husband (which of out for a husband (which of
course they are), and have
any doubt of his temper any doubt of his temper, just
try him on putting up stove pipes. They are a sure test.
If his patience does not give out during this ordeel, y
marry him immediately. Laly Dilke's ashes weighed
only 6 pounds. only 6 pounds; but we ca,
depend on a Guelph' girl's
foot to do foot to do better thas that. A conscientions farmer in
Lewiston, Me., wiped the Lewiston, Me., wiped the
nud from his cart-wheels be-
fore permitting his load of fore permitting his load of
hay to go on to the scales to hay to go on
be weighed.
Ge raham bread is said to be
an excellent food for the chilltren, on account of tits snperior bonegiving qualities.
You can feed a child on that The man who won't take a paper because he can borrow one, has invented a machine
with which he can cook his with which he can cook his
dinner by the smioke of his dinner by the smink
neighbor's chimney.
viation of my whole, my
second gives the sound of an expression of sadl- along, he trod on a suake, when he muttereal, of course I will," sail a "Cansas waiter as he strapsecond gives ine sounc of an expression of sal along, are anything but a Darling, and having dis- peed a case knife on h his boot-leg. The guest was one
ness, my third in an exclamation; my whole is a
"You are
young king notell for his goodiness in Bible history.
EnIzA ANN WILsov.
103. - My first and second are the same,
Reversed, a little rodent name;

Reversed, a little rodent name;
Catch not my whole, for it is sail,
Catch not my whole, for it is said,
Youll sometimes get one when your wel.
REBECCA STEVENSON.
-
104.-There is a great goose, she is of a great size,

Those who go in her hath need to be wise;
She has legs in her body hut walks upon none
She goes far for her living, and is sellom
105.-Alomg the roal in years gone by, Rutledge

It toiled so long and wearily,
What is it then? add but a single letter, pray,
Then see it travel on its way
With speed untired, I ween.
$\qquad$
patchenl it, he put it in a Jug and sent it to a
naturalist. We then returned home, as the day particnar men, from coston, and he got up
Wad left. was very Rainy, and a Wetter lot of people you
never saw. 81.-William Pitt. 82.-Rattlesnake. Alolored preather remarked: "When (iod made
 boots. 86 . - Aclergyman. 87 .-A bank. 88. Love. tener. "Put that man out!" exclaimed the collored Avswers to sepr. PtZZLLEs-Wm. Pitt, Lon-
don; Arch'd J. Taylor, Glencoe; J. H. Cross, Caledonia; Maggie George, Shakespeare; Almura Bral-
forl, Riviere Rouge, P. Q; Thos. Cald well, Cumforl, Riviere Rouge, P. Q; Thos. Caldwell, Cum-
berlanl; Miss F A, Caldwell, Cumberland; Jenny
Gerry, Hibbert. Libie Pole Aldoror', Cearle Gerry, Hibbert; Libbie Poole, Aldboro'; Charles
Fuller, Hibbert; :. Hart, Reaboro': E.' Waugh, Fuller, Hibert; Hart, Reaboro'; E. Waugh,
Lima, Ohio; John Smith, Montreal; M. Shea, Ot.
tawa; E St tawa; E. Springer, Memphis, U. S. Canbors'; Mary A. Baird, Fitzroy; C. IL Foran,
Earder Eardley; Tom Ruston, Sebringville; Jas. B
San Francisco; C. W. Rutledge, Marklale.
preacher, "such questious as dat 'stroy all de
thology in de worlh "'"
Danhury has the champion patient boy. He Danhury has the champion patient boy. He
comes from a chronically borrowing family. The other day, he went to a neighbor's or a cupp of sour
milk. "I haven't anything but sweet milk," said the woman pettishly. "Pll wait till it sour
said the obliging youth, sinking into a chair A Scotch peddler completely cowed an irascible Welshman, whon down on his knees and imploring kitchen, by going down on hisk knees and imploring
pardon for having killed " "t t o men already and be-
ing about $t$ o kill another."
$\frac{\bullet \text { HUmorous. }}{\text { Why Johmsen's Ram Failed }}$ Why Johnson's Rram Faich.





















Magruder's Goat.
Mrs. Magruder's baby is carried out by the Murse now, since the accident to its carriage. Magruder thonght a tame goat to pull at the coach, and he bought one for that parpose; but one day the goat met another goat that differed from him in poitics or
religion, and each undertook to convince the other
Every time Mareligion, and him in the skull. Every time Magruder's goat would rear up preparatory to making a luge berward, and when Magruder's goat urch over backward, and when Magruder s goat he milk in the baby's stomach into butter. A ometimes the other goat wound then the other goa would plunge headforemost into the coach and
mash the baby up in the most frightful manner. mash the baby up in the most frightful manner
And in the midst of the contest ocouple of dogs
 hiting around kind of generally, would snap at to goal and cause lt last the goat got disheartened and
the bite, turtil at the fence, learing the coach on the
sprang through the sprang through the fence, learing the coach on the
other side, and it struggled frantically to escape while the to ther goat crowded up against the bab in order to avoiid the dogs, and finally knocker
the baby out, and butted the coach to splinters. the baby out, and butted the coach to splinters
They say the way Mrs. Magruder eyed Nagrude
俍 They say the way Mrs. Na, brought the baby hom
that afternoon, when they
mutilated and disheveled, was simply awful to mutilated and disheveled, was simply awful t
hehold: but she didnt speak to him for a week hehold : had to soften her down by buying her a ostrich feather for her winter hat. The goat i
still at larye. Anybody who wants him can havstill at arge. Ahge. Magruder doesn't recognize the animal when he mees him upon the street.

Female Dean-This is how a lady authoress says it feels:- Tabe a man, fastened back with elastic and looped up with ribbons: dray a tight,
own hair to the midale of his head and tie itight, and hairpin on about tive pounls of ot her hair and
a big bow of ribbon. Keep the front locks on pins ang bow of riboon. Keep the front locks on pins his waist into a corset: give him gloves a size too
mall, shoes ditto, and a hat that will not stay on small, shoes ditto, and a hat that will mot stay on
without a torturing elastic, and a frill to tickle his without a torturing clastic, and a frill to ticke his
chin, and a little lace veil to vlind his eyes when he goes out to she a bath in the
manis dress is. A springtield man recently took a bath in the
He managed well enough, only he got hold a a piece of ston

## zainuit gatay's mepartuceut.

$\qquad$ on, I take the liberty of suggesting a few practica hints to my readers to pass the winter plea family There is nothing that so thoroughly binds a together as a beautiful home. fore most elegant or verything around us that it should be neat, tidy astly description, but that it should, and every facility is made the most of and where the mother and daughters vie with each ther and exercise their ingenuity during thei eisure moments in planning little devices which will go towards improving some room, or engaging themselves upon something that will give pleasure to husband, father or brother.
Let us, if we have not done it heretofore, com mence at once to make chilling blasts of pictares and flowers during the chider it a duty to winter. Let each member considerant season in their homes, and we venture to affirm that there will be a less desire on the part of the younger members of the family to seek other scenes. I give below some excellent "Devices of Autumn Leaves," which will afford very pleasant employ Minnie May.

Devices of Autumn Leaves. An exquisite transparency may be made by arranging pressed ferns, grasses and anther pane of
on a pane of window-glass, laying anothe on a pane of window-glass, laying another pane ot
the same size over it and binding the edge with ribbon, leaving the group imprisoned between.
Use gum tragacanth in putting on the binding. It
. Use gum tragacanth in putting on the binding. The
is well to secure a narrow strip of paper under the ribbon. The binding should be gummed all aroun the edge of the first pane, and dried before the
eaves, ferns, etc., are arranged; then it can be leaves, ferns, etc., are arranged ; then it can be
neatly folded over the second pane without difficulty.
To form the loop for hanging the transparency,
paste a binding of galloon allong the edge, leaving paste a binding of galloon allong the edge, leaving
a two inch loop free in the centre, afterward to be pulled through a little slip in the final binding These transparencies may either be hung before
window, or, if preferred, secured against a pane in window,
the sash.
In halls, a beautiful effect is produced in placing them against the side-lights of the hall door Where the side-lights are each of only a sing pane, it is weil worch, filling up the entire space,
parency against eas
hus affording ample scope for ao free arrangement ferns, grasses and leaves, while the effect of th ight passing through the rich autumnal colors beauty the entire winter.
 he formed of eight obloys transparencies (mate of gether with strong sewing silk so as to form an
goth
ight-sided, hollow column . To hide the lamp ight-sided, hollow column To hide the lamp, with osted tissue paper, either white or of 'a deli-
wis cate rose-color:
A letter plan still is to, get the effect of groumu
class by rubliny each strip of glass on a Hat par glass by ruhhing each strip of glass on a Hat par
ing stoue, plentifully covered with white sand.
ing This griming process, of course, must he performed
before the leaves are insertel, and then only nuon

Dear Minsema, Inacendmer with "Hom Firts" "ryust in the last number of the An
"Tr. I send the following recipe for making lemun pie.
Take the yolks of three eggs, one and al hat
ups sugar. one cup water, one tablespoontul thom che juge and rind of oue lemon: eshop the riui Beat stir whe whites of the eggs to a froth, and adi
Bear tallesponnfuls white sugar.
liut thes on th toperenly, when the pie is nearly dome, and hak top evenly, when the pight
to a lighown.

Dear Minnie May,-I see one of your lady Dear MINNIE MAT,-I see recipes; 1 think I an supply her with some of them. For lemon pies-pudding
land-I use the following Two large, ripe lemons; cut, and strain the juice
into a saucer, but do not let the seeds in, or it will
be bitter; grate off the thin yellow rind. Take be bitter; grate off the thin yellow rind. Take
half a pound of white sugar and the juice and alf a pound of white sugar and ene
grated rind of the lemons, half a pound of fresh
ghe ratter, and beat all together in an earthen vessel till it is like cream; then beat six egas very smooth
in another vessel, and add gradually to the mixin another vessel, and and graduall curdle. Have rure, bea light puff paste, and line the sides of
roady a light
broad-rimmed ware plates or dishes, but do not broad-rimmed ware plates or dishes, bate directly
put any paste under the mixture. Bake diren
in a moderately warm oven half an hour; send to na moderately warm oven half an hour; send
table coll. If made rightly, it will cut smooth
ther nd happen to be short of lemons, I nse one lemo and as much es
tapioca pudding.
Take four large tablespoonfuls of tapioca; wash it in cold water, then drain it, and put it in a quar it soak all night, and in the morning put it on to
hilk to boil it with as boil, adding as much new milk to boil it with as
will make it like sago. Be sure to keep it stirred, will make tit like sago. . We sure to keep ione, put it it ita starthen
or it will burn.
dish; when nearly cold, add six eggs, a little more dish; when nearly cold, add six eggs, a little more
milk, a small piece of butter, white sugar to milk, a small piece of butter, white sugar to
sweeten it, and either lemon or nutmeg to flavor. sweeten it, and
Bake till brown.
Cut and peel some pieces of ripe cocoanut; lay
a a litlle time in cold water. Then take out and rate with a carrot grater as much as will weigh grate with a carrot Beat eight eggs till light and
half a pound.
smooth. sugar, and stir into the beaten eggs alternately
with the cocoanut. Add a large handful of flour, one nutmeg grated fine, a glass of sherry wine,and stir the whole very hard. Butter a long tin pan;
bake in a quick oven, and bake it well. When
Wald cake in a quick
cold, cut it in sq
with rose wate
Be chocolate puffs
Beat stiff the whites of three eggs, half a pound
of loaf sugar, and three ounces of chocolate scraped loar sugar, and three ounces of chocolace arent its
down fine. Dredge it with tlour to prevent
ing mix the flour well amongst it. Then add oiling; mix the flour well amongst it. Then add
the chocolate gradually to the egg and sugar; stir the chocolate gradually to the egg and sugar; stin the whole hard. Cover the botcon it spots of pow-
pan with white paper place upor
dered sugar alout the size of half a dollar. Pile dered sugar alout the size of half a dollar. Proming
a portion of the mixture on each spot, smoothing
vith the back of a broad knife dipped in water a portion of the mixture on each spor in water.
with the back of a brad knife dipped in
Sift white sugar over the top of each. Set the pan in a brisk oven; bake a few minutes. When
cold, take them from the paper with a broad knife

Westminster, Sept., 1875.

## Cabbage.

| To Boil Cabbage. - Wash very thoroughly in |
| :--- | old water; look botwecn the lenves, where insects and worms are

looiling water some say serthout salt; we prefer
to add salt when halt done; boil quickly till tenler: theu take it out with a skimmer into a colan der or sieve, and drain free from
with a little butter and pepper.
To Boil. Cabpase witr Meat.-Select small, White, firm heads: cut int quarters: examine care-
fully: then lay the quarters an hour in cold salted fully: then lay the quarters an hour in cola sated
water, to drive out any insects that may have
wsenel your olservation. Skim all the fat from water, to , wive ont any insects all the fat from
escapled your olsservation. Skim
the pot in which the pork or beef is hoiling, and the pot in which the pork or beef is hoiling, and
put in another kettle and looit the cabbage in that, put in another kettle and taste to meat when cold. Hor sinw. Cut a tirm, white head of cablage
into thin slureds: put it iuto boiling water: cook into thin slireds: put it into boiling water; cook
till tender: ouly" just cover with water, so that when done there may hee hardly any remaining. Just hefore dishing, add to one goon-sized head
hast a towacupful of good cider vinegar, and a piece
of lintter hailf the size of an eqg. with salt and of hutter half the size
w"llyer to suit your tist

The stratford Exhibition takes place on the 6th mun 7 the of Octoler, and the st. Mary's Exhibition

Infect SIR,-Two yea
Durham bull. Driname with the
three and four three and four
with calf. I att
grain. This seas grain. This seas
cows going four
exception of tho season, all of the He has had no g
can assign any r can assign any re
Seymour, Sep [The infecundi
rom over-feedin from over-feedin
season we woul
other cause door life and ex instead of pastu effect on him. sue with breedi air, plenty of e
sufficiency of unfruitfulness
feeding-forcin

## One of Mas

 Dur Agric Sir, -IAustralian oat
oat and eleven thir part of an acre,
owing to their
Monkton, Se
Mr. Richard he highest pri tate- $\$ 5,600$. year old "Mis year old cow Edmonton,
$\$ 3,000$, and

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Brooklin, Ont
tors and pre tors and prcp
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We aivise We aulvise
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## 



## Infecundity of Animels? SIr,-Two years ago I bought a thoroughbred Durham bull. The first year I had a good deal of

 rouble with the cows getting with calf, some going three and four times, and even then not gettingwith calf. I attributed it to feeding him too much grain. This season he has been fully as bad, many
cows going four times and not holding, with the oxception of those that were in calf by him last season, all of them having got in calf the first time.
He has had no grain for more than a year. If you
can assign any reason for it, please do so through can assign any reason for
Seymour, Sept. 2nd, 1875. A Subscriber.
Seymour, Sept. 2nd, 1875.
The infecundity of animals generally proceeds season we would also have recommended. An season we would also have recommended. An door life and exercise. If your bull be house-fed instead of pastured, this would have had the same effect on him. We believe the best course to pur-
sue with breeding animals is to let them have free sue with breeding animals is to leating labor, and a air, plenty of exercise-good sealthful food. His
sufficiency of good, plain, heal unfruitfulness may have proceeded from over-feeding-forcing-when young.-Ed.]

One of Many Reports of the Yield of Our Agricultural Emporium Seed. SIr, -I have just threshed from 1 lb . of your
Australian oats, sown 5 th May last, two bushels and eleven thirty-fourths. Size of land sown, 40th owing to their being so damp. E. Greensides. Monkton, Sept. 6th, 1875.

Imported Shorthorns.
Mr. Richard Gibson, of London Township, paid the highest price for a Shorthorn at A. W. Grisold's late sale at New York Mills, New York State- $\$ 5,600$. He also secured the valuable twoear old cow with calf for $\$ 1,900$. Mr. Craig, of Edmonton, purchased "Lady Mary 4th" for
$\$ 3,000$, and "Lady Knightley 4th" for $\$ 2,700$.

## otice.

We have received a copy of the "Canada Poul ing, managing, and marketing of poultry, pigeons ing, managing, arety of pet stock for the poultrynan, the farmer and fancier ; H. M. Thomas, Brooklin, Ont., and E. R. Grant, Port Hope, editors and prcprietors. We wish our cotemporary every success.

Avice to Cheese Makers We alvise our dairy friends not to ship their licesse to Englanil on commission. Let this will pay best.

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Crops and Markets.








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London，August 19， 1875.
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