
New Seed Wheat.
The Scott wheat reports continue most
ovorable from all who have raised it. In he dissemination of this wheat alone we elieve we have increased your wealth many
undreds of thousands of dollars. We can nstance a single individual farmer who
nade over 500 dollars more from this wheat ade over 500 dollars more from this
han he could from any other variety.
nly purchased one bag of it at first. can also cite many instances where farmers have raised between 100 and 200 bushels
more from this variety than they could from ny of the other varieties.
We have not said one word too much in 8 favor
stone's white spring wheat.
This wheat has proved itself unfit for us;
we were afraid when Mr. Stone introduced we were afraid when Mr. Stone introduced
it to us that it would not answer. We are glad no one lost much by trying it.
have in our office two new varieties of spring wheat. They have been forwarded to us from differ-
nt parts of Canada. One is a red wheat; ent parts of canada. One is a red wheat; haff is red and has a long beard on it he grains are rather wide apart, nearly as
ar apart as the Rio Grande or McCarling ar apart as the Reaio Grande or Mccarling thort and plump. This wheat is said to lave been raise party having it does not know its name. he other variety is a white spring wheet aving red
rom the main head; it has a very peculiar
ppearance ppearance, This wheat, we believe, is
alled the Mummy wheat. It was sent from te East Indies. A few grains were sent
n a letter a few years ago to a person in a a letta.
We wo We would like to obtain information from
ny of our readers regarding either of the ny of our readers regarding either of the
pove wheats. If any one among you ould know anything about either of them, e should be happy to hear from you. They
e both reported to us as yielding large
ops, and very high prices are asked for ops, and very high prices are asked for oout them in the spring; to be correct, we
$k$ for any information about them, as we ave not grown either of them.

The Dil Business.
Farmers, it is high tion and robeery. Farmers, it is high time we should awake
our interest. Since the receipt of the itter, headed. "Lingt on the Ofil Question,"
Zich appears in our correspgndence column, e have made some inquiries into the great Our burning oil is only worth 12 cents per
Allon.
It can be sold at the refineries at cents per gallon, leaving a fair profit for
aducers and refiners ; through monopoly nd legislation we are compelled to pay from prited supply of crude oil procurable at the

LONDON, ONT., NOVEMBER, 1874.

wells; the crude oil now is worth only 60
cents per barrel a barrel
lons of refll make 30 ghree years to one man at one price, and
lined oil and 5 goullons of lubri-
lought back again at a higher figure; some-
times these great prices are not actually ons of refined oil and 5 gallons of lubriuperior oil sells for 12 cents per gallon, and 16 cents per oillon could be sold in Canada for 1 cents per gallon
To prevent this,
made to the Goverument, such as to induce a duty of 10 per cent. being put on this
American oil. This has been done to enable monopolists to pick our pockets. There is
no fear of American oil being imported if our own oil can be procured. To prevent
from having our own oil from having our own oil at a fair price, a
monopolizing company has been formed of a few cunning citizens, and nearly all the reThis company, on purpose to make us pay Thisc company, on purpose to make us pay
such choose, has perverted
the law of supply and the law of supply and demand. Thus we
have to pay nearly a half more to this comhave to pay nearry a half more to this com-
pany than we should pay if this monopoly was not in existence.
To have the refineries elosed and leased by monopolists is not right. Our only remedy at the present time is to apply for the re-
moval of the duty which would at once reporting. This would save from $\$ 1$ to $\$ 10$ to every family in Canada, which sum other colossal fould only go to the building up of and at a heavy loss to the progress of the
Dominion Dominion.

The Short Horn Sales. There has been a smaller number of Short
Horn sales this fall than usual. The reason of this is that many sold largely last year,
and are now increasing their herds. and are now increasing their herds. The
principal sales that have taken place this past month have been those of Miller
Thompson, of Whitby, and (i. Brown, at Brantford. The prices realizel have not mayers attended the sales this year. There
were important sales going on at the same were important sales going on at the same
time in the States; no doubt this was the time in the States; no doubt this was the
cause of some Americans not attending.
The Goverument purchased some of the most expensive animals at Mr lirown's sale at Bow Park farm.
Some of the She
have gone off remarkably well.
prizes have been paid thau ever betigher great run appears to be more for certain
pedigrees than for beauty of animals.

The Americans are alout to issue another
Herd Book. There will be great attempts made to depreciate all kinds of stock that
have not just certain strains haven. The fact is, in our of opinion, that
them.
these particular breeds are only in the these particular breeds are only in the
hands of a very few wealthy monopolists, servient to the elevation of the value of these classes. Money has a mighty power.
These high-priced animals are often used
paid. these great prices are not Durhar ring is now taking the
place of the race course for speculation; it is a good gebstitute-a safer game to play
and $a$ more beneficial one

## a a more beneficial one.

Lond In our September number we called attensold unless immediate action to prevent it lots on Monday, the 21 st of September.We had a peti, ton drawn up on Saturday, all whom we asked signed it. We presented it to the mayor; he had the sale postponed. retained. It would be much to the loss of
rese in heper having the ground the farmers and citizens to dispose of them. They are considered by all who have visited think in assisting in staying the sale of these grounds we have done a good service to the interests of agriculturists and the country generally

The Exhibition at Ottawa.
The Provincial Exhibition is to be held at
Ottawa next year.
Ottawa has asked to consider it righere for several years, and we the inhabitants of that section of the country have been paying towards its mainten
ance a long time. The Exhibition should be looked on as a travelling school. It will do
good to the inhabitants around Ottawa. It good to the inhabitants around Ottawa. It
has done so much good in the western por-
tion of Canada that the young achools tolt tion of Canada that the young schorols, taking pattern from the ood one, are in many
respects surpassing the parent institution. Association shall not be a loser by going to Ontawa. It is oxhibition will be helld there as there gaod in Toronto this year. Many of our western exhibitors and visitors may not attend, but the eastern exlibitors that will be west and many departments the exhibition will surpass the last one held here.
The greatest drawback
will be the knowledge that in our opinion, pensive a city to live in. $\left.\begin{array}{c}\text { Charges for } \\ \text { reasonable accommodation will be almos }\end{array}\right]$ ruinous, unless more efficient measures are
taken to accommolate the public. In To ronto this year the houses that accommodate farmers doubled their charges from 25 cents
to 50 cents for meals or bed provided might give satisfaction, although not hal equal to such as are usually pro modation is always lacking, and should be semble the mass together. Ottawa charges of $\$ 3$, $\$ 4$ and $\$ 5$ per day a raise, are subjects that will be considered we may be able to give to our readers hop mited supply of crude oil procurable at the like the shuttlecock, thrown for one, two o
ccount of steps being taken to rrovide we know of persons who had to pay such harges as 50 cents for a seat in a chair, and
one cents for sitting on $a$ salt barrel at night. One of these parties would have
willingly given $\$ 4$ for a good bed, but oould not get one.

## The Provincial Exhibition.

This Exhibition being held this year in should have expected it to have surpassed any of the previous ones: Nearly every
paper in the Province has spoken highly of it, and lauded it far above its deserts in our ${ }^{\text {opinion. }}$ We will
eyes. As an exhibition it feell far short of any we have had for many years; such a
display of empty stock pars display of empty stock pens we never before
witnessed at any exhibition; had they been witnessed at any exhibition; had they been
pulled down and burned visitiors would not have been so much disappointed as by pass-
ing along them and finding nothing there ing along them and finding nothing there.
In heavy draught horses the display was good; a. fair display of roadster and carriage horses was seen, but not nearly as good an ex
hibition in this class as might seen at the Western Fair in London. Durhams, as a show, were no where in compari-
son to previous exhibitions. Durham mer say the quality was superior ; our men failed to see in what this gerior ; our eyeer superiority
consisted; it might be in the consisted; it might be in the name of the
blood that ran in the veins of the few mals exhibited. ${ }^{\text {an }}$ the very few of the few ani-
mor breeders exhibited. Quantity was very deficient. Sheep were goad, but not as numerous a small numbers, and no marked improvement in any class of them. In some olasses the
stock was far inferior to other exhibitions There was a good display of implement and machinery, but on the whole this department could not be claimed to excel pre vious exhibitions.
The grain depar
Vresented. county or township exhibition we - Many a would throw this department entirely in the shade, both in regare to quantity and quality, except perhaps in prizes for large
quantities shown by professional nursery. In. cheese and butter, local exhibitions are
men often quite as good
In the fine arts e exhibitio could not be claimed as being But the great and grandest point of is that it was a pecuniary success; the weaher was fine, the attendance was large, and It may be asked
why was this exhibition inferior to Previous exhibitions
One great reason was because of the
unusual drouth during the latter part of the

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preventing the growth of soiling crops, roots,
fruits and flowers ; another reason is that many exhibitors have considered themselves nufairly done by, and refuse to turn out very great dissatisfaction evinced by breeders on account of the prize offered for the best
herd. It is considered that a very great
great power has been breught to bear in reference
this crowning prize. It is a very difficult matter for judges
If poople err in judgment it is easier borne than attempted injustice. We in
tance the case of Mr. Burnett and Mr. Deadman-see last issue. Such acts drive a good exhibitor away from the Provincial
Exhibition. Despite judge or law we far
Exiter lessly assert that , and so were other exhi-
of his just rights, and bitors. Favoritism will not answer; merit must gain
will fail. A separate list of prizes is necessary; one for imported stock and one for to anadian
stock. Large capitalists can go to England and purchase the prize animals there, and what Canadian breeder can attempt to risk Canadians leave their stock on their farms Canadian bred stock might be allowed th
exhibit against imported stock if the exhier agains to enter them for that pur
breeders chose
pose, but a separate prize list should b pose, but a separate prize list should b
made for imported stock. This plan woul mall our The directors of this Exhibition shoul
also look a little to the comforts and $r$ quirements of the public. The filth an
dirt at this Exhibition surpassed that at an dirt at this Exhibition surpassed that at an out rain to make the grounds as bad as they sometimes have been. The Board of Direc tors might also have a thousand feet or tw
of planks put up for seats in different parts of planks put up for seats must often see the
of the grounds
they tired ladies sit down on the dirty and damp
ground for the lack of better accommoda tion that would cost but a mere trifle. We might add to this, but this is suffi
cient for the present. We may throw out ew more hints ere long.

Western Fair, London, Ont. This Exhibitiou in some respects surpassed
he Provincial at Toronto. In road and carriage horses it far outstripped the Provin Leicester sheep, also, we think, were better represented here than they were at Toronto. might have been a little better, but not much. This being a local exhibition was a grand success, and caused one to conside
whether the Provincial is worth what it costs the country.
The union Exlibition which was held in Hamilton was also a large exhibition, not quite exhibitions of this western part Canada. This one was held the last, Giuelp London the third, each of which occupied the exhibitors a week, no doubt som
were tired of attending so many, thus the previous exhibitions.

## Agricultural Exhibitions.

## The small township, riding or county

 hibitions are doing quite as any for the larger nes. For instance, a little insignificant place, apparentiy, in the noth riding of thit hibition that would have been a credit to Toronto in many respects. Useful acdlresses were given, analled cither of the four large exhibitions. The expenses attending it were comparatively small, as it only occu-pied one day. The receipts at the gate were
$\$ 450$.
${ }^{450}$ We have no doubt but many local exliibi tions were equally as successulu. The ladies and children can and do atten them, but this Provincial Exhibition is sorry place to take alady to - that is, for
farmer to take his wife to from a distance farmer to take hise the grounds, and as for ac
'THE HARMMFR'S ADVOCATH-
a stranger, we know it must be most trying;
in fact, the hotel accommodation for visitors in fact, the hotel accommodation for visitors
staying over night is not what it ought to
be, even in Toronto. Saloons are thick enough, but no accommodations for sleeping
are prepared. This subject should be taken more into consideration by those that plan

## November on the Farm.

 Storiva Roors.-This work must not may during the entire month be favorable may during or injury befall our roots by aand no loss
week's or fortnight's delay, or putting of week's or fortnight's delay, or putting of
the work even still longer; but we must no delay, trustung to chance, as is the habit on
the improvident. November weather the improvident. $\begin{aligned} & \text { November weather } \\ & \text { always uncertain. } \\ & \text { It may bring sunshine, }\end{aligned}$ always uncertain. It may bring sunshive
and it may bring rain in torrents, and even
frost and snow now in this month amnot frost and snow now in this month cannot be
said to be unseasonable. A few weeks, said to be unseasonable. A few weeks, or
even days of fine weather are worth gold to
ent even farmer; but they are only so in reality
the
to the dillicent. We need say nothing now to the dilligent. We need say nothing now
of securing the potato crop; this, we pre-
smee has been done some time ere this, and sume, has been done some time ere this, anl
this fall above others, as they ripened early, and in securing them in the best condition
there was no difficulty. Carrots, mangolds there was no doficulty. Carrots, mangolds beets, is the winter and spring store for
ance, is
stock turnips shonld now be taken up and tock; turnips should now be taken up and
stored as expeditiously and in as good order as possible. When making provision for our cattle, we must not limit our root crop
to one species, however valuable. tre, and no doubt will be, the great reliance
are
fr winter, but they are not exempt from for winter, but they are not exempt from
the failure that often occurs from bad seed, he failure that often occcurs or drought that have sometimes made the turnip fields little
more than bare fallows. If only for this, we should not trust too much to the turnip. excellence of turnips is for feeding growing
cattle and fattening them when grown, and cattle and fattening them when grown, and
tor sheep feeding. To feed horses well and with economy nothing excels the carrot, and suited than any others for milch cows. Ruta able crop, and parsunips are highly spoken of, and in some countries much used the
only experience we have had of them a food for stock has been on a favable. It
that experience has been very faver is very desirable for every farmer to have
root house, und have it well ventilated, root house, und have it well ventiated,
that the steam and moisture arising fron that haped roots may escape into the ope
tir, at the same time taking due precaution against freezing. Having grown our crops
at considerable expense of time and means, we cannot afford to have them lost for want of timely care. Parssips will be sace ma, be-
drills where they have grown, and mas, be fore vegetation sets in,
as they were in the fall.
Castre in the stalls and sheds requir
good feeding and careful attention. It not when they are run down that we should begin to feed well. Keep up their condition
at all times with needed warmth and food.
Hocis intended for the butcher should b Hocs intended for the butcher should be
fallowed early. They gain flesh faster beore the very cold weather, and one month
earlier for the market is one month's food Kerp up the condition of your horses.-
They are the right hand of the farmer. They are the right hand of the good food, and
putting on flesh corn is
barley, especially if ground and given as a putley, especially if ground and given as a
barlesh
mash, has more effect in putting ou thesh and giving viliness to the coat than any
other grain; but for farming muscle and for giving vigorous endurance and hearit to the horse, there is no grain at all equal to oats
A spirited horse, well groomed and regularly
supplied with gool green-cut hay and oats supplica with goum greell-cut hay an oats,
needs the rein more than the whide the saddle or in harness. Good feeding at
this season not only enables him to do hi present work well, but also is necessary to prepace the Plow going. Turn up the
Kep earth that the frost may cultivate it and the snow entich sit for this is especially necensary. Let the plowman leave a clean, well forme
farrow, that no stagnant water may lie the tilled land, and open drains across head
lands and wherever else they are needed keep the soil dry and warml. Plowing in-
plics good feeding and grooming for the plies good feeding and grooming for th
horses. Good feeding and good work

Manve collecting is one of the important
works on the farm in November. Very soon works on the farm in November. Very soon
the snow will prevent our collecting and
hauling muck, sods and leaves. Every atom hauling muck, sods and eaves. Every atom matereials of vegetable or mineral
should be turned to good account. will all be found useful in due season.
If November be not accompanied the
storms that sometimes attend her storms that sometimes attend her, draining
may be continued. The farmer who has his may be continued. The farmer who has
land well thorough-drained can always ge land well thorough-drained eat and in best
his seed in the ground earliest
condition, as it removes the water that condition, as it removes the water that
would prevent early cultivation. would prevent early cultivation. an excess of
while it is the only remedy for an
water in the soil, is equally beneficial in water in the soil, is equally beneficial in
season of drought, as it keeps the ground season of drought, as it keeps the grounc
nellow and porous, and enables the tender plants to extend their roots deeper in the earth to obtain food and moisture. Thi of thorough -draining and good cultivation. THE GARDEN must not be neglected. No vember weather may permit the trenchinc
and preparing for spring. Making it spruc and preparing for spring. Making it spruce
and neat now is no labor lost, as it will be great saving of labor when the winter ha
passed and there is an urgent demand on very hour. Mulching may be attended to
where it has not already been done. Rasp berries and grape vines should be laid down
Strawberries should be
nd covered oovered with their winter protection. Straw
or litter ip tops are said to be better than either.have for some years used the leaves the epurpose well, I intend to continue thei
use. Some recommend planting trees fo shate, andous, though I planted as late an
is hazardes did well. Tender bulbs should b
the trees dit taken up and put in the cellar, if they still
remain in the ground.

Report of the Harvest of $18 \% 4$. Through the courtesy of the officers of the the crons of 1874 in the different section through which the road passes. As it will
be in the hands of many of our readers before they receive this number of the ADV
catr, we give to them only a synopsis of it, such as to present a general view of
yield of each crop as far as the repor
tends. It embraces seven districts. tends. It embraces seven districts.
Fall Wheat. Of this crop we have onl
returns from the Butfalo and Goderich di returns from the Buffalo and Goderich dis
trict, the Western District and the Central District, and a return from Oxford Easter
District. In the first of these districts ther Dre returns from 18 sections; 12 of thes ections give the yield in bushels as follows
three report 25 bushels per acre; one 24 ; three report three under 20
five 20 and
From the second, the district from De port 25 bush. per acre; five report 20 ; eight rom Guelph; five do not report the yield. From the central district, Toronto
Point Claire, there is one return of 35 bush. one of 30 , one of 29 , one of 25 to 30 , fou
of 25 , one of 24 , one of 20 , and three unde 20; in 23 the yield of bushels is not given.
Judging from the reports, we may esti
mate the crop where the number of hus mate the crop where the number of bushel
is not given to average as those where the is not given tiven. The severe frost is said
number is gial in many reports, to have done much injury
in Mitchell such is the complaint, and, aftc. In thene thield is 25 bushels. From one place
all,
Rockwood, we have the report that the Crops have been severely injured by gras.
cron still the yield there is hoppers;
bushels.
Sprivg Wireat. From 15s sections the
yield is reported of 2.5 hushels; from 1.5
20 to 25 bushels; from 26 of a yield und
20 to 2.5 bushels ; from 26 of a yild unct In all there are 161 reports; of these, two from 12,
grown.".
OATs. Onl, 9 returns state the yield
be under the average ; one return sives be under the average ; $\left.\begin{array}{l}\text { one return gives } \\ \text { bushels to the acre; } 34 \\ \text { returns from } 40\end{array}\right]$
 excellent," "hhayy, "of this crop we have not
Barley many returns as of oats. The yield per acre is from 40
40 or below 25
40 or below $\left.\begin{array}{l}\text { RYE. Of this crop we have but few re }\end{array}\right]$
Rorts;

Canada; in the United States it is not so; here it is grown in large quantities and is
found remunerative. We have no doubt it woull, if sown in suitable ground and with suitable tillage, be a very profitable ecrop
here too. The grain, mixed with whent here too. The grain, mixed with wheat, very valuable.
Peas. Of this crop we have in all only
4 returns. Of these 47 are from the B. returns. Of these 47 are from the B. \&
district, the Western and the Central . district, the Western and the Central s given in bushels 20 to 50 . The others are "paboted "fair,"" "good," "very good,"
arerave," "excellent." The re-
urns from the other distriets me from the other districts are much the ame, though the Flax. Few reports, but favorable. Roors. The reports of all root crops are,
on the whole, unfavorable, though in not The instances they are very encouraging-Here is a greater difference between the
yor or crops in different sections han in any other crop; as in Utica, potatoes
are from 85 to 90 bushels per acre, and the next section, Mount Clemens, they are 200
bushels. The yield throughout has been bushels. The yield througho

## Returns from the Farms of

 Britain.The London Agricultural Gazette contains
two hundred and seventy-three reports of the wheat crop of seventy-three reports on
English counties and from all the most of the English counties and from most of th
counties of Scotland, and many in Ireland of these, not less than one hundred and
eighty-three stated the crop to be over av erage; eighty-three say it is an average, an
only seven put it under average. Last yea only seven put it under average. Last yean
only eleven were over average, while on
hundred and fifty seven were under aver $\begin{aligned} & \text { only ele } \\ & \text { hundred } \\ & \text { age. } \\ & \text { The s }\end{aligned}$
ind
The spring sown crops,' 'however,
to be inferior to those of last year. Barley it is true, is a heavy crop on heavy soils
nd in clay land counties, as Essex; almos and in clay land counties, as Essex; almos But more than half the returns of barley oats, beans and peas are under average
the country; about one-third an average an the country; aloout oner are over averag So great is the yield of wheat, aul so goo
its quality, that this is called the whe year. The superior quality makes it eq
to a yield even greater than it really is, a
lhat that country--the great market for the s
plus grain of the world--requires less th
usual of this, the chicf of breadstuffs.

## Care of the Manure Heap.

 Few subjects connected with the farave more engaced the attention of writ on agriculture than manure. This fact
itself shows its. great importance, and $y$ we find that it is one very much neglect by many farmers, and in this western he sphere is this more especially the case. Th
natural fertility of the virgin soil has mad
the necessity of manue for the necessity of manure for the production
of good crops less than in the old countrie ness of what has been well called the farn er's bauk-the care
pared manure heap.
The attention paid to this item of agricun
ture in Great Britain, with the experimen and their results, are too little known, and
when known, too little thought of by farr when known,
ers in Canacia.
A series of exporiments lately carried of
by Lord Kincail, on his farm in Scotland, leserving our consideration. Desirous
know the superior value of manure ma
mater cover to that procured in the mder cover to that procured in the to
common way, without any covering, he
apart four acres as a field to put both s part four acres as a field to put bot
tems to trial. Two acres were man withs ordina ay farm-yard, and two
minure prepared under covered sheds manure preparer under co equal on b
tuantity of manure being
plots; and the four aces planted with po hots; and the products of each acre were
toes.
follows: Potato
nanure

> Onc acre produced 272 bushels.
One acre produced 295 bushels.

heap-
One acre produced 442 bushels.

## favorable.

 thoot crops are,though in not a ence between
difierent seotic
in Utica , potat per acre, and the
ens, they are 200 rogh $\begin{aligned} & \text { rout } \\ & \text { lought. }\end{aligned}$.
ral Gazette contain ty-three reports 0
eason from all th d many in Ireland it is an average, and arerage. Lase
average, while on
n were under aver
 s, ase Eseex; almo
sor
returne of of bagries returns of baye y
under average
third an average and er are over average
wheat, and so goo aality makes it equa
than it really is, an - requires less
of breadstuffs.

The land was sown the following year with wheat, when the crop was as follows: farm-yard manure-
One acre produced 41 bushels, 19 lbs . of 61 lbs. per bushel.
One acre produced 42 l bushels, 38 lbs . of 61 Wheat of land mapured hedsOne acre produced 55 bushels, 5 lbs - of 61 One acre produced 53 bushels, The land treated with the ordinary farmyard manure, as shown above, yielded less wheat by 12 bushels, 28 lbs. per acre than
that manured from the covered sheds; and the yield of potatoes less on the two acres
by 343 bushels, or $171 \frac{1}{2}$ bushels per acre.If it shount convenient for us to erect sheds we can so cover our farm- yard manure with earth, plaster, murk or sods as to prevent
the wasting of those liquids or gases that the wasting of those liquids or gases tha and gard against the
unnecessary exposure.
 UHTRY YARD the poulthy to Kekp.
The question is often asked,
Which breeds of poultry are are the best?" and it is a pretty difficult question ditions in which the fowls sor are to be kepent, and so
dity many difierent breeds of poutry, tiat have re
each individual pultry keeper will hat
quiremente different from others, and in answer quiremente different from others, and in answer terms only.
There are tw Tharerare two ohief laseses of poultry keeper
 in conf in mameent.
 and dopencon ongss op protit and other raini
 $\substack{\text { isanjousto } \\ \text { canto of obh. }}$
Kainh breced of ponlty has marked traits of



 $\substack{\text { promilitee } \\ \text { cinikbere }}$
















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name to the vila
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 in Horticulturists.

Having notion tho gratat. groad of thit
 ther moth hoord hat theoe, weo allod tha othon: tion of our readers to itent or the. National

 Canarianans mine difier wereno of opinion among
 min subioct to tho National orrang of tho the past few months, until the voies of the


 in the opinion that tho Do
The rhe organization is spreading in overy




$\qquad$ at the Agricintural Hall, Toronto, during
 torest was maniteoteai py yie mitme vomo.



 Dominion Cran, ang sultatined manimmonly:th the membersy, the amene in tho opmion
 for this raano an initiation foe is oharged, Secreey is necessary to carry on any busi-. ness, therefore a pledge of honor is required,
Only agriculturists of good standing oan
 and also because ladies are admitted ; the
say everything imaginable against it.
W. say everyyning imaginable against it.
would suggest to farmers to weigh well the
parties who speak against parties who speak against it; are they sucen
as profit by traffic or office, or are they real farmers, that get their living from Farmers,
tivation of the farm, as you do? tivationse together on this subject; you have
converse
minds to think and act for yourselves withminds to think and act for yoursers the to
the aid of professional men or merchants to direct you. Remember the organization does not interere
political views. Bear in mind that all oan not become members of this order; also agnin
if you are admitted you can leave it at any time. in e haven having applied to have his or her name struck from the list. The ladies, as far as we can
quite as much interest in it as the men; that quite as min case, we feel satisfied in saying
being the that the movement will spreaminion Grange, although requested to do so. As editor we although requested to do so. by not holding
have enough to do, and can,
any office, freely cut and slash into the do-
heart diselse in powls.
$\begin{aligned} & \text { I had a dark Brahma cock drop dead th } \\ & \text { ther day from heart disease, I think. I went }\end{aligned}$
into the coopt to feed my fowls, and theyn we
$\begin{aligned} & \text { on the roost; wost to eat, and just as the coot } \\ & \text { got of the roost dead } \\ & \text { got down off the roost he dropped deal }\end{aligned}$
$\begin{aligned} & \text { examined him and found every very large an } \\ & \text { but the heart. That I found vel } \\ & \text { full of colttis heart measure }\end{aligned}$
$\begin{aligned} & \text { fut the hearted blod. His heart measure } \\ & \text { full of cloted and three-fourths inche the long way } \\ & \text { send five and one-half inches the short way }\end{aligned}$
$\begin{aligned} & \text { and was about the shape of an egg. Conse } \\ & \text { andently Ithink that disease of the heart was } \\ & \text { the the } \\ & \text { the cuuse of his death -Cor. Poultry Rccord. }\end{aligned}$
There was aconsiderable amount of int
$\begin{aligned} & \text { excited at the late annual meeting of o } \\ & \text { State Horticultural Society, by reports of }\end{aligned}$
recent experiments with the use of sulph
was stated by one of the grape-growers from
$\begin{aligned} & \text { there, that sulphuring the viness had beer } \\ & \text { practiced to some extent for several yeara }\end{aligned}$
$\begin{aligned} & \text { past, and that, when judiciously do mildew } \\ & \text { was found a certain preventative of mide } \\ & \text { rotting of the fruit, and also of the }\end{aligned}$
$\begin{aligned} & \text { and rotiss of the foliage; and where thi } \\ & \text { hlightneracticed in 1872, the vines ripened } \\ & \text { was }\end{aligned}$  ,


Granges Organized Since Our
Last Issue.
43-Montrose Grange, Chas. Gurney,
Master, Paris; Wm. B. Underhill, SecreMaster, Paris; Wm.
tary, Mount Vernon.
44-EUREKA $G_{\text {RAN }}$
44 Evrkia Grange, Edw. Jeffs, Master, Bond Hea
45-Lake Simcoe Granae, Chas Cross,
Master, Lefroy ; Jas. Allen, Secretary, Master, Lefr
Church Hill.
46-BERTiE
ter; Jemtie Grange, Peter Learn, Mas-
P. O. Jomes Moore Secretary, Ridgeway P. $\mathbf{0} 7$

47-Araenteuil Grange,
Master, St. Andrews P. P. R. Rond,
don don, Secretary, La Chute, P. Q.
48-Brock Holme Grange, M. olmsted Master; R. S. Stevenson, Secretary, Ancas-
ter, P. O.
The Secretary of the Dominion Grange
has just issued the 1st trade circular, showing discounts offered by manufacturers and dealers to Patrons, and is sending it to the
Secretaries of Granges on receipt of their Secretaries of Granges on receipt of their
quarterly report. The circular is solely for
the use of members of the Grange, and the use of members of the Grange, and
none of the information contained in it may divulged.

Recent Decisions.
The Ōverseer acting as Master can give
the annual word. Singing of the opening song as a part of
the opening ceremony should not be omitted. the opening ceremony should not be omitted
In the Kansas Farmer, Bro. Popenoe says : Children may be admitted to the
Grange if they are not too big or sharp."
A Master's resignation tendered orally and A Master's sesignation tendered orally and
accepted by the Grange is sufficieut, but it
would be better to have it in writing and filed among the papers of the Grange. A man following another pursuit, though he may own a farm tilled by members of his
family, is not eligible to membership in the Grange.-Master Brown, Michigan State Grange.

A Master can be tried by the Grange, as
I know of no other tribunal that would I know of no other tribunal that Would
have the right to try him, and I think have the right to try him, and I think a
Grange shold have power to protect itself.
-Master Jones, Indianà State Grange. -Master Jones, Indiañar State Grocrange.
When the Master is absent, the Overseer When the Master is absent, the Oversee
should take his place and appoint any good
working fourth-degree member Overseer working fourth-degree member Overseer. I
a Past Master be present the Overseer may
leat a Past Master be present
keep his own place and ask
to take the Master's chair.

The United States Department of Agri
calture estimates the culture estimates the saving to the Patrons
in the West in the purchase of supplies which has accrued from the establishment of
the Grange, at between $\$ 6,000,000$ and $\$ 8$, which has
the Grang
000,000 .

## .

Missouri Patrons have a " Grange Packet reasonable rates. If you cannot get others to do your work for a fair price, do it your-
self, is the principle upon which they work. The New Jersey Granger thinks that the
Grange movementis an aid to politicians, in Grange movement is an aid to politicians, in
that it gives them a chance to wear out their that it gives
old clothes.
It has been established at last that a Pa -
tron may run for office and get beaten if he tron may run for office and get beaten if he
choōses; añ ${ }^{\text {tit }}$ makes him no less a Patron if he should happen to get elected. Gisconsin Gra
The Newton County, Ind have organized a deposit and loan associa-
tion. A M
five dollars for the best corn and the largest number of bushels from one acre of land;
fifteen dollars for the best and largest ber of gallons from one acre of cane, and
ten dollars for the largest and best hog of ten dollars for the largest and best hog of
any age raised in Winston County. The Patrons all wor Oount
charter, the same constitutions and by-laws peaceably and in order, and they work sys-
tematically and harmoniously, and with tematically and harmoniously, and with a
unity of purpose that makes them the most
pill powerful organizations in the world. East Williams Grange, No. 28, reports an
of 35 new members in two months.

## Drought and the Garden.

 We have had some rain of late-two orthree times aright good rain-fall, and still the
ground cannot be said to be wet come so thoroughly dry, that when every little drink, every clod had been slaked, and every
pore had taken its portion the pore had taken its portion, the ground, as we
turned it up, seemed but a little moist. mayed indeed, seemed we have passed through a
drought. Have we profited by it? Has it drought. Have we profited by it? Has it
taught us any lessons such as not bo be for
gotten? One lesson, at least, the wisest lea at every time, that they have much to learn.
The garden hiold make two payments, if The garden should make two payments, if
well attended to- -it should return for the
labor and care beestowed, pleasure to the owner aabor and care bestowed, pleasure to the owner
and tiller, and also by itt fruits give a profit
in its yield of many fold. Though but ait amateur gardener, I have had the two pay ments, even in this seasen of drought.
might have been more successful had I been
better prepared, and this is the hetter prepared, and this is the summing up of
the eleson the season has taught. Prepare in
the fall the lesson the season has taught. Prepare in
the fall and the early winter for the coming
gring and summer. No half-preparedness
 Of my treer, though young, I lost not oness.
My shade trees, were many of them only
 only gaved them in that season, but it also wa Irngght of summer. The soil as far ar as Ithe roots was a a sod coverind and and it not
ondy only gavea them from the frost, but when
broken and mixed with the soil in the spring,
it aided their growth in the summer it aided the rir growth in the summer. Ther
was a sufficient depth of good mellow soil fo
them to draw food from and they hat the foll them to draw food from, and they had the ful of planting in well-prepared soil, and con
tinued care after the planting, cannot be to
tighly highly ertimated. Some of my young trees
made a growth of from 12 to 18 inches durin the season. Of these were oak, linden, bal
sam, cedar and elm; the growih of apple cust and silver poplar trees was much greater fits of good, thorounghed fall ditllabe of and heave
manuring, the results of this season would b
 to have at least twelve inches of good, garden
goil. The plants can then, in the driest sea-
son, draw upon a source unexhausted by th
drought, and while others are withered a drought and while others
scorched, they will flourish.

Ticks on Sheep.
The loss that we are sustaining by these
little pests is almost incalculable. The loss
ittle pests is almost incalculable. The loss
in weighto of mutton and wool, the liss from
poverty, the loss of lambs in the spring for the poverty, the loss of lambs in the spring for the
lick of onourisment that has been sucked from
the dame the dams, are all subjects that we should en-
deavor to guard augainst. A . 1 litle judicious
expenditure and care at this season may save a

hundred times the cost. Miller's Tick De
stroyer is an efficient article. We have trie it. Examine your sheep and see that no ticks
are on them. If you find any, send to $H$.
Miller Miller \& Co., Toronto, for a box of the De
stroyer; it can be mailed to you for 40 centa Instructions how to use it are sent with it.
We can also supply it to those that call or
send to us for it.

## Prize Essays.

We now propose giving two prizes, one of
$\$ 3$, another of $\$ 2$, for the 1 st and 2 nd bes
fences or no fences.
This we think will be an important ques-
tion, and one that we shall all have to consider. The essays to be in this office by the
15 th of November.

## To Our Friends

We are about to make a very great im.
provement in the Advocate for 1875; also to extend our business in other ways. I I
any of you have active, energetic sons
a friends that would like to have easy and pleasant employment from the middle of
December through the winter, and probably a continuance, at a good salary, you might mention this to them. They might also
communicate with us.
Mr. Edward Winnett, ship, bought "Kingtt, of thendon Town
winner of the lst prize of West," the winner of the 1st prize
at the Western Fair.

Farming and Farmers' Markets in EngLaND.-From "Agricultural Prospects,"
in the Mark Lane express, we take the fol
lowing lowing extracts:--Fram Somersetshire the
advice runs thus : Our yield of pretty good, ten to twerve sacks per acre,
and some fourteen or fifteen sacks there. Yield of barley better than was ex.
pected. From Norfolk: In the past weeks we had frequent and : copious rains, weeks crops and grass last lands. Fricial to the the root
ing of Yorkshire it is stated. ing of Yorkshire it is stated: The weather
has been favorable for the in-gathering of
the harvest. ** Seldom or never has a iner period been experienced for the farmers getting in their grain. From the east coast
of Sootland : If the weather keeps dry, we think the potato crop will be a good and sound one. There are, however, some com-
plaints of disease, chiefly laints of disease, chiefly from the north of
this country. Smut was never more preva-
lent, but the dry lent, but the dry weather has prevented so
much disoloration as is often the case is
smutty seasons. mutty seasons, The great feature this seawhite wheat. It is very scarce indeed, and There will now be a considerable anxiety to secure the choicest and most favorable samples of seed wheat, all of which can be
obtained of a very superior quality, Farm-
ers ers will do a well to sow a sorior greatity, Farm- breadth of
white descriptions, thesa being more wanted white descriptions, thesa being more wanted

Notes of the Garden and Farm. original and selected.
a market for canadian beef. Nothing has tended so much to retard the
improv. ment of agriculture in Canada as the
yery very low price received by farmers for the the
fat stock. The only market was the home one, and the supponly ex market was the home
prices were necessarily vering the demand,the were consequently forced to rely and farmers
crop. rop. Hence wheat followed wheat in con-
tinuous succession till the soil was exhanstal of its originas fertilitity a and the weane eanausted
storation, $\begin{aligned} & \text { so effectual in such farming. } \\ & \text { tries an res }\end{aligned}$ storation, Bo effectual in such farming . coun-
tries as Britain, were not resorted to. The
stores of rich manure from fat cat on
 tion for their feeding, were wanting and the
produce of our fillds had fallen off one half
from what they were when yet new.
We rejoic
We rejoice to see brighter prospects for the
farmers, to hear of the demand in England
for meat, and the prices are meat, and the prices so high that efforts
are made, and with every probability of success, to import meat from Canado. For this
purpose acompany has been formed wiha
largo capital to purchase fat cattle in Canad large capital to purchase fat cattle in in Canad a,
and slapughter and hhip them to England. We
learn from the Sherbrook Neos thgt thi and slaughter and ship them to England. We
learn from the Sherrrook Neve that this com.
pany has contracted to construct a building in pany has contracted to construct at building in
that town for the purpose, and that they in-
tend to erect another build ang bet the that town for the purpose, and that they in-
tend to erect another building before the win-
ter (now at hand) of 330 ft . by 80 ft . two tri (now at hand) of 330 ft . by 80 ft , two
stories in heighth. The company are oing to
work in earnest, and seem determined to lose o time in completing the necessor ry structures. Chan one trial in Enaughlared here has had more pect compared not unfavorably with the
famous sirloins of Old England. From a com. parison of pricess in the Canadian and Env-
lish markets, the company may expect the ish markets, the company may expect the
business to be fairly remunerative, and the gosiness to be fairly remunerative, and the
good market opened for our fat stok will be
2 much needed stimulus for the simprovement of our agriculture by the persevering ing in the
breeding and importing the best stock, and
growing for the greeding ford importing the best stock, and
root crops.

Doks Dratning Pay?-We read, says
the New York Tribune, of one Ohio farm which several years since was unpro-
ductive and agueish. Twenty bushels of inferior corn to the acre, and from five to ten bushels of wheat was all that could be
raised. Sheep would die about as fast they could be produced. $\begin{aligned} & \text { about as fast as } \\ & \text { drained with five miles of under- } \\ & \text { tile, and yields }\end{aligned}$ eighty bushels of giles of sound cond corn, and and
from twenty to forty bushel wheat. On grass lands the difference in quantity is not great, but the quality has
been greatly improved. Chills and fever have disappeared, and sheep raising is pro-
fitable. So satisfactory have been the results of the draining on this estate, that th
owners intend to buy, at least ten mile more of 'crockery.
, buy
The Demand for Barlex.-From the the great grain-producing country of the
world, the bulk of the barley which is used here is imported from other countries, an From
Canada alone, during the past four years, we have drawn a yearly average of nearly 4
500,000 bushels, while owing to 500,000 bushels, while owing to a short crop
there last year, large imports were mad there last year, large imports were made
from Europe. The New York Bulletin gives
figures to figures to prove that this cereal is much
more profitable than wheat raising, and
thinks that the more profitable than wheat raising, and
thinks that the matter should commend it
self to the attention of farmers. The mar ket is enlarg y yat the prospect bein increasing demand.
continued high frices for short horns We learn from the English papers that the
demand for Short Horns and the high prices
der are unchanged. The London Telegraph srice
Large prices were obtained at a sale of Shor
Horn cattle belonging Horn cattle belonging to Mr. E. H. Cheney,
Gaddesby Hall
Nineteen lots were sold foo
upwards of $£ 10,000$, ing as much
8,925 dollars.
Fall Wheat.--The fall wheat is looking
yery well despite the lateness of the seeding occasioned by the drouth. The prospects
are that it will be well forward ere winter sets in. Many pieces are now well covering
the land, and are already fit for a covering
of snow.

Nov. 18


## ©otrespondence.

Ottawa, Oct. 10, 1874. The Exhibition which took place on Sept.
15 th, 16 th and 17 th, at Ottawa, was a gen15th, 16 th and
eral success.
People that have been eye witnesses to the previous Exhibitions, con-
sider this the best that has ever taken place sider this the best that has ever taken place
on the grotnds. The grounds on which the on the grotuds. The grounds on which the
Fair was held were in good order ; they have one drawback, however, in being too
small. After riding two miles into the
country one would not suppose such would be country o
the case.
As the animals were brought into the ring
their appearance showed that the people in their appearance showed that the people in
the vicinity of Ottawa have not lost all their
taste for well bred and well developed stock, as the people in western Ontario generally believe, on account of their living
so near the French. The quantity was not large; we would have liked to have seen more
exhibitors. It seemed as though there were only about animals enough to take the
premiums, and that they were all sure some prize. Each class of horses seemed to
be about equally supplied with animals be about equally supplied with animals.
The Durham cattle were of good quality and
were in good condition, rather better than were in good condition, rather better than
the pastures would have made them if no other stimulant had been applied. Ayo-
shires were rather more numerous, and were good.
In swine the only class to which prizes
were awarded was the improved Berkhire
breed; there being considerable in this class. a very fonsiderable opposition Sheep. The Tong drought affected the
show in this class very much, the sheep show in ais class very much, the sheep
being of very inferior quality and very
diminutive in size. They reminded me very moch of sheep I had seen in some of the generations, there noses become pointed by continually picking the grass from between The horticultural department was very
good, considering the season. The fruit
was also very good, although not in great was also very good, although not in great
abuandance. The directors had it well pro-
teted ty tion might be too strong for the people in
this part of the country, for they do not this part of the country, for they
often feast their eyes on, much fruit.
The fine arts and ladides' lepartm very well filled, there leing some very
superior work exhibited, and showing much
good taste on their behalf.
A. J.

Light on the oil Question.
Dear sii,-Your columns being open to the
Farmer and Mechanic, will you allow me to direct attention to a very great evil which affects our pockets seriously, and adds to
the burden of the whole community of
farmers and artizans. And while directing attention, put the question, Is it right that
a few of the nabobs amongst the Oil Refiners a few or the nabobs annongst the Oil Refiners
of Canada should form themselves into a
ring and so get the control of the oil refineries of Canada for the purpose of running
up the price of oil, to the serious loss of all
the consumers the consumers. Is it right?
2. Looking at the oil question rightly,
when the best distilled oil can be bought
from the oil refineries per gallon, and treated for 4 cts. per gallon,
and barrelled at 4 cts. per gallon, with duty
an of 5 cts. per gallon-or $13 f$ cts. per gallon the public being callerd upon to pay 25 cents
wholesale, and up to 50 cents retail, per gal-
lon for the especial benefit of this ring Call attention to this sharp practice of
these few (or the five) who hold the supply to-day, the present Government in its wis-
tom would do well to remove the duty of 10 cents per gallon on the importation of nue of the country, but only prohibits the
importation of oil, which can be bought in New York for 12 cents per gallon. This
course would interfere with the very ques tionable operations of this ring or any other
oil ring hereafter ; and the Government
would be justified in taking off the duty. would be bustified in taking off the duty,
Why hould they impose a a duty amounting to over 75 per cent. to the benefit of these
few, and to the detriment of the masses.

REfinEB

 tubers and cuttings and 157 came up after a
long time, as the ground was not warm.
took up one that had grown seven inches long. I intend to leave this year's crop in
the ground and take up what I left in the
ground last year ground last year. I took a good many up
last spring that weighed from one to four
ounce ounces and one to six ounnes. I did not let
any fresh manure come in contact with them any fresh manure come in contact with them
at the timeo of planting. I find there is no
trouble in raising them. They should be put dut in the spring as soon as the frost is
out of the ground and the ground is dry out of the ground and the ground is dry.
You said in the September number of the
ADvocate that the Chine ADVocate that the Chinese yam has not
succeeded. W Well, Idon't wonder at it ; you must have kept the tubers and cuttings
in too warm a place ; I know by what you sent me. They were dried up so that they
were useless-that is the cuttings. shonld have been put in a dry cellar and
covered over with earth. I took up some yams yesterday, one that had the cutting
attached to it that I planted last spring perfectly sound as it was the day I I planted fectly sound. ${ }^{\text {ad a }}$ ataber attached to it per
Geo. EMbury. We may possibly be yet in error in our
opinion that Chinese Northern yam will not come into general cultivation in Canada.
We shall be pleased to hear from others with whom they may have succeeded. - ED.
the crops around ottawa.
SIR, - In your October number, on page 148,
under the head of "Crop Report,", pour correspondent signing himself "D. L" has. in
many respects, given a very untruthful report.
He says in the firsts sentence : "T The drouth has been most injurionsin in : this part of the the
country, much of the soil being light." although the season has been a, very dry own,
it has not been so injurious, to the field
ind crops as your correspondent would lead one to
believe, "or is it true that "much of the soil
is light, about Ottawa as any pergon is light" about Ottawa, as
ing the country can testify.
He says that " wheatis n half the crop it was last year." This, so far as
fall wheat is concerned consilieat is concerned. may. be true, as as war was
winter killed, but the spring wheat is quite equal to last y ear's crop. spring
Some of the farmers here, and good ones too do not bind their oats any season, and as
for the "s pulling of peas by hand), it is a
perfect myth and not worthy of belief.
 remarker by a gentleman at our township
show hereo the the th inst., that the evegetables
wer were superior to what he, saw at Toronto at
the late Provincial Exhibition, some of the cabhages weighing forty pounds.
And the fruit that I Thav seen at the c.ty
of Ottawa, County of Russell and Township of Ottawa, County of Russell and Township
of Gloucester Shows would compare favor-
ably in quality, if not in quant ty, with anyably in quality, if not in quant ty, with any-
thing I have seen ant the western shows. The
two concluding sentences are the only reliable ones in the whole communica $\begin{aligned} & \text { Hon. } \\ & \text { Hoping you will sive this a place in your } \\ & \text { next number, to counteract any unfavorable }\end{aligned}$ impression of our part of the country that
"D. I,'s "D. L.'s Crop Repurt" may hav
the minds of your many readers,
I remain, yo rrs respec

I remain, yo ros respectully,
[We do not hold ourselves responsible for all
communications, and are pleased to have corcommunications, and are pleased to have cor-
respondence that will tend to pive correct ideas
on any subject of interest. - ED.]

SIr,- - Below you will find a correct account
of my wool clips for 1873 and 1874, and it is at your pleasure or inserting:
My clip of fleece wool in May, 1873 , was 102
 16 sheep, and looose wool 12 lbs., making a total average of 9 3.4 lbs. per sheep of elean, clean,
washed wool. Breed of sheep chiefl Cots.
wold; some a sprinkling of Leicester blood.
I remain yours \&er
Ashworth P. O.
(nTo Wild hogs are the most dangerous found in herds of five to twelve, and the sight
of a human being is the of a human being is the only signal for attack
that theytrequire. The intruder has then nothing left him but to outrun them or climb
a tree and wait for them to leave


The offer of prizes of small
pecuniary value for excellency in the management of farms, has been found
to have a remarkably good effect in Ireland.
Whether or not something of the same kind might have a simimilar result with same kere our agricultural societies to ooffer premiums
for the best cnltivated and improved farms
within their jurisdiction, it is of course within their jurisdiction, it is of course
difficult to say. Dobltese, as a means of
greatly benefiting anculture greatly benefiting agriculture proper, a
portion of the funds of State or County
Associations might well be diverted from Associations might well be diverted from
the fostering of the fast horse interest, and
apprent appropriated to this purpose. But what-
ever might be the result, if it be attempted
in this country, it will in this country, it will be instructive to note
what has been done in this way to improve
the condition of agricultare in Ireland the condition of agricultare in Ireland.
is only since the year 1870 that the pri ples of agriculture have been taught in the
public schools of Ireland, and school-farms or gardens have been coltivated in connec-
tion with these schools, as practical illus-
tration braeon very successful, and have greatly aided in improving the condition of the small
Irish farmers, most of wom or Irish farmers, most of whom, or 317,457 out
of 608884 recupy farms of less annual rental
than $\$ 40$. As an
proved cultivation and homestead arrangements, the Irish Government has given,
through the Commissioner of National Edu-
cation ter cation, twenty-four prizes, three for each of
eight districts, in which there are school-
farms, of the value of farms, of the value of $\$ 17.50, \$ 12.50$, and
$\$ 7.50$ respectively, to be distributed annually for the next five years. The conditions are
simply that the farms shall be of not more than \$40 annual rent, and that the success-
ful competing farms shall be adjudged to exful competing farms shall be adjudged to ex-
cel in neatness and cleanliness of the house in the amount and quality of the produce of
the land; in the character and condition of the stock, which includes all live stock kept
for profit, from horses down to bees; and in any other circumstances that may attract
favorable notice. A successful competitor years, and prizes are not given unless the years,
farms
them.
The
The examinations for the award for the
presen present year have recently been made, and
the judges' reports published. suffioient oan be gathered to show that the
expenditure has been productive of a vast expenditure has been productive of a vast
public benefit. On all the farms which competed the improvements were very remark
able. The educational results were conspicuously shown by the greater money profit
derived from the farms in consequence of their improved management: so that, should
the prizes be withdrawn at once, the benefit
would be a permanent one. The homested would be a permanenth one. The homesteads
have been fenced in from the public road, and surrounded with gardens; gates have
been hung; calves and pigato ion improved
blood have been raised; manure has been collected, and composting has increased its
quantity and quality, and in the process quantity and quality, and in the process
cleanliness of yards and stables has been inaugurated.
In one case a woman, who farms 15 acres
of land, has won a prize; she was the of land, has won a prize; she was the
daughter of a farmer who had died, leaving a dependent family, and had been a a pupil at
one of the schools where agriculture is one of the shoors where agriculture
taught. Another suceessful competitor had
never never before had a field of colover or turnips,
but now has adopted a rotation in which
thein these ameliorating crops occur, and exhibited
fields of each in excellent condition. His farm is said to be a model of clean cultiva. tion and productive crops. He has made
money by these improvements, and will
never never abandon them. Another competitor's
farm, which last year was very foul with weeds, was found entirely free from them
this year. The competition has brought many of these small farmers into poanhar
distinction, and made them men of mark distinction, and made them men of mark. -
Some of the farms are visited by other farmers from far and near, much enthusiasm has been awakened, and the sp.
ment is active and general.

While appreciating the difference that
exists between farmers and farming in Ire
land land and in the United States, there is ye ample opportunity here for improvement,
similar to that here related, which might bo
started by a similar agency.-American $A g$ started by
siculturist.
fifty bushels of wheat prr acre The average yield of wheat per acre varies
largely in difierent Statees. In some States,
according to the statistion In sol according to the statistical reports, the aver
age yield amounts to only nine bushels. II
and New Jersey it amounts to about thirteen
Of course such and Considered only as approximations to the a0.
tual product. If the average yield per zore
is is represented by thirteen bushels, ther
must be hundreds of acres whioh yield only
four, five and six bushers, as it is known from actual weight of the grain that a great man
farmers raise from to twenty-five, and even thirty bushles of beautiful grain per
acre. Such approximate accounts of the wheat
erop reveal certain impressive facts concern ing reve cultivation of this valabable cereal,
which should arouse tillers of the soil to Which should arouse tillers of the soil to a
careful consideration of the immense loss sustained, both by the proprietors of the
land and the government in consequence of land and the government in consequence of
such meagre crops. Bountiful harvests not only render tillers of the soil more indepen-
dent, pecuniarily, but they tend to ang. dent, pecuniarily, but gey erenent to atg
ment the revenue of the govern
an impore respect, for a farmer to pursue that system
of management which will return him only of management which will return him only
sii, nine or twelve bushels of wheat per acre; as the expense of ploughing, harrowing
the ground, putting in the seed and outting the corn with the reaper will be about a great when the yield is only eight bushels
per acre as when the product is forty, or even fifty bushels. Land in a poor state of
fertility will require about two bushels of seed wheat per acre. The product may be eight
or ten bushels. It will not pay to attempt
tr to raise wheat at such a costly rate. The productive capacity of a large portion of
the tillable sool of America can safoly be
computed at forty and even fifty bushela of clean and bright grain per acre, provided the
land is tilled as it should be, and as it will pay to cultivate it. pioneers of our country first removed the forests, to hear of forty, fifth, and even
sixty bushels of beautiful wher sixty bushels of beautiful wheat per aore.
Even at the present period numerous ac.
counts are rendered every season of the counts are rendered every season of the
actual yields of large fields in which the proactual yields of large fields in which the pro
duct is represented by forty, some fifty, duct is represented by forty, some firty,
some six ty, and a few more than sixity bugh:
els. Here, then, is an impressive fact, which
Hat furnishes an instructive commentary on the cultivation of wheat. The pioneer farmer
of We all the timber the trees, brush and all remain for a few weeks
until ter until the weather was hot and dry, when fire, the surface thoroughly harrowed bon ploughed), and one and a half bushels of thirty bushels of clean and plump wouid.
fair crop would be fair crop would be spoken of as forty bashels,
and a first-rate harvest as fifty bushels with
out a weed out a weed or thistle or panicle or chems
among the growing grain. If an aore of fair
wheat- land now covered with heavy timber be cleared in the same manner, and seed wheat be put in about the first of September
(from the first to the tenth at the North) the proprietor can rely on a yield of forty
bushels of choice grain with almost absolute certainty, provided he sows choice seed.
This fact furnishes a. correct idea of the natural wheat-producing capacity of the
soil. But most Americans are so soil. But most Americans are so grasping
that the most fertile ground that can be found is soon badly impoverished by injudicious management. When a forest is cleared,
every tree and stick of firewood is removed every tree and stick of firewood is removed
without returning one atom of fertilizing material to aid in maintaining the origina
fertility of the gromnd fertility of the ground. It is a difficult and
tedious process to renovate a field that ha tedious process s renovate a field that ha
been completely impoverished by judicioue management. But if the precaution wer
observed to maintain the fertility of ground by returning a fair equivalent in th gorm of some kind of fertilizing material
fore every time a crop is removed, there would be
no dificiculty in raising from thirty to fifty no dificulty in raising from thirty to fift
bushels of superb wheat from levery acr
that that is adapted to the production of this sort
of grain. $-N$. Observer.
THE FARMMER＇S ADVOOATE

seed
unsa

$a_{2}$|  |  |
| :--- | :--- | :--- |
|  |  |

## 

〔gain and angain，chan－picked of if necessary，driled，manured and
sededed all in one day．The various opera－
tions succeeding each other so rapidly gives

MANGOLD WURZEL By the Northern Farmer in the Mark Lane
 summer months，or to substitute any onased of plenty，economy，or satisfaction what


 holds in his yards the material of super
abundanoe，a comparatively smat breato


 Sully to deay，lose its sap，and become
worthless as food，it forms a connecting link
wink between the old seagon and the new，whien，
combined with its extrarardinary abundance， renders it one of the most yueful and valu－
able plants known to modern
and
 it actually superseades the sithede，and
yearly incressing in favor with large stock． yearly inoreasing in inavor favoraly with the
owners．It contrasts latter in first of all，having fewer enemies the earlier stages of its existence，theretere，
if onoe fairly tarred，it is salmost entan to
and progress uninterraptealy to successsul matur
 rich and highly－manured soi，and an immense
any amountof orring giving
return for liberal treatment，the expense of which bears no comphe advantages it confer
the crop in cash，or the

 pork of all when performed in the autumn－－ the eradication of weeds being attended to
at the same time，may fairly be expected $t$ to git a return of not less than forty tons of roots to the imperial acre，an amount in
itbelf surely
amply suficient to encorage the farmer not ony yo and auxiliary manares， sum in ripidy attending to carrying out in in
berfection the whole of the cultural details， perfection the whole of the candran the seed，
from the preparaion of the land for
to the storing of the roots in the end of Optobertions of working and manuring have operations on wort best possible manner，it
been dorthe the the trill
is neverthelest truly astonishing how greatly is nevertheless $t$ ruly astonishing how graatly
the subsequent processes of cultivation affect the ultimate success of the erop，and increase or depreciate the weight per acre in an ex
act ratio to the way they are attended to whether attentively and carefully or the $r$ e verse．A ley field brok en up in antumn，or crop of mangolds ；and this more particu－ larry if the preparatory season happens tobe
dry and scorching，as the fresh montd retains the winter moisture longer and resists evap．
oration much more effectually than land oration much more
which hat heen prectually ropped The The earrt fine meal in itita apeearance and nature，
very finely comminted particles attracting
that moistare from the ar during the night，
and its close consistence enabling it in a aud its close consistence enahling thin in， great measure to retain id weenther．It is is
however dry may be the whe
difficult，and often altogether impractichbe to render land which has been frequently cropped
ploughed out of of the estubble in in unfavorable weather； ；as however great the care which
may be taken with it in spring，or however may be taken witin in spring are employed
weinhty the implement which
in its reduction，it bears more resemblance to crushed cinders than to the thoury com pound bo ardently cesired $\begin{aligned} & \text { and } s \text { oabsolutely necessary for an equal ani }\end{aligned}$ vigoo ous start of tre young plants．Al Al
though the prepation of land
showery weather is tedious and difficult，and even in this case，dangerous to the work hand，in so fara as when it occurs at the pe－
riod of sowing，which is very limited，the aocreage undera very valuable crop may have
to be considerably circumseribel and the general plan of the year＇s proceetings drought about the time of sowing and ex－
tenndina tna oninilo of weeks after it．is omi－
spirit and animation to the workers，and a
tis big day＇s work is done in of a quick and equal
with a aood prospect of
start of the seed which has been deposited． The dung quickly spread，and covered at
once with finely prepared earth；retains its
moisture，communicating it gradually to the noistying soil，thus materially assisting
overlyian
vegetation，and helping on the embryo plant vegetation，and helping on existence．Rolling
in its first struggle for
the drills with a heavy Cambridge roller im－ mediately after sowing is extremely useful in very dry weather，as it presses the seed
down on the dung，and enables the earth to
prescrveits moist condition under the influ－ prestrve its merful sun，and possible drying
ence of a powe
wind；moreover its mechanical effect on the wind ；moreover its meche flat，exposing a
drill is to press it quite
large large surface to the action of the air，from
which it is thus enabled to absorb an ap
precing the preciable amount of moisture dir way whe
night．Care and attention in this
go far go far to obtain an even and healthy plant in
almost the driest seasons．This secured， there is scarcely ever any further diticulty，
as，if the manurial conditions are favorable as，
success is almost certain，the plants having
no insect enemies grow vigorously，speedily no insect enemies grow vigorously，speedil
covering the ground，and seldom experienc－ ing a check nutil they reach mazel manure is all important，and to interfere with or pre－
should be permitted to int vent its being liberally used．Fifty cart－ cake－fed beasts，is about a fair dressing for
an imperial ace supplemented by 70 s．worth of Yeruvian guano，kainit，and dissolved
bones．As an economical source of am－ bones．As ars are now in a measure forced
monia，farmers
to ter as it is now vastly cheaper by the ton than it was a few years ago，a portioney value of
be substituted for an equal money guano．But tor its evanescen to the farmer
of soda would be invaluable to its effect，how ever，is not lasting，as may be
easily proved by the after－crops，therefore it must be used with caution，merely taking
advantage of its stimulative powers on crops advantage stand forcing．Deep stirring be－
that will
tween the drills，both with plough and grub－ her，during the period of growth prove of lim will be amply repaid by the luxuriant foliag tions of a magnificent crop．Where the
treadth grown is considerable，it is safe management to begin fors frosts almost invari－
middle of October，sharp ably occurring about the frrst of great of anxiety
vember，which when such a valuable crop is in danger，and
although it may not appear to have inflicted much injury at the time，yet in the cent－ of April and May a rather heavy per cent
age of rotten builbs will too truly show the effect oc．a few nights＇sharp frost，and abso
lute necessity of getting them early placed in a safe position．In storing never place
against a wall ；it is the cause of much loss against a wand feet in width，tapering t
lits of sever
a sharp point at about the same height，bein a sharp point at abounthe sume when prop－
nearly as quickly built up， erly thatched and secured，keeping the
roots over without perceptible loss from rot ting，quite through the summer．
Note．－－In November，if not done earlier， we can break up the field we intend or thi cop，one We Walways prized it very highly，
the farm．We lay and fed it to all farm
cially to Milch cows．
education of successpul farmers． number of weeks，been publishing esful
early education and traning of suceessul
farmers，in different parts of the kingdom． farmers，in different parts of the kingdom．
It in almost discouraging，in view of what is and field．
Al this
that success
generally hoped as the outcome of our
icultural college system，to see how very liberal education，and how often the three k＇s alone appear as the representatives of the
chooling received． who are longing to get out of their occupa－
tions，and to become farmers，would proba－ tions，and to becomet discouraged to see in
by also be somewhat
how very few instances among those cited
亚 the successful farmers have adopted the
business late in life．Farmer＇s sons and business late have furnished the stock from
which nearry the whole list has been drawn，
and which nearly the whole list has been dr carly every case to very early training to hard
vork，and to the manifold cares of the stable that success can not be attained by men who
have not sprung from the families of farmers have not sprung from the fam wes educated sons
and farm laborers，nor by well of farmers，but it does suggest the import－
ane of sound rudimentary training，and a ance of sound rudimentary training，and
strong inclination toward the farm rather strong inclination It makes it clear，too，
than away from it．It
that farming is a business which requires no that farming is a business which requires no
small share of energy，attention，and ac－
suire skill．that it can not be gone into quired skill ；that it can not be gone int
hap－hazard，with only the knowledge that comes from schooling and one or two year
of experience with a good farmer．It re of experience whingained training in every
quires thorough ingrail of farm worls，a real love for it，and a
detail of determination to succeed in it．Any young
man starting life with these qualifications， man starting life with these mon the farm not because of a sentimental liking for it
but for the much better reason that he knows but for the me can make more money and earn more substantial success in life than any other occupation that is open to him．
Oyden Farm Papers in Anu．Agriculturist．
the harvest of europe．
ated from the Journal dles．De
The Havas agency has publisher the de
tails of the harvests in different parts of Eails of the harvests according to the information col－
Europe at at the International Corn Market at Vienna，the results of which are as follows：－
In Austro－Hungary the surplus of wheat derived from the harvesting，relatively to
the average produce（12，300，000 hectolitres the average produce（12，300，hectolitres in
in Austria，and $29,520,000$ he
Hungary）is $3,075,000$ hectolitres，2，152， Hungary），is $3,075,000$ hectolitres， 2,152,
500 hectolitres being for Hungary and 62,
500 for the other parts of the empire．The exports of flour in consecquence can be 600 ，
000 metrical quintals．The yield of rye
does not show any increase in comparison does not show any increase in comparison
with the average，which is aboot forty mil
lion quintals．The exports can therefore be lion quintals．The exports can therefore has
$1,500,000$ quintals．The yield in barley has
been an average one ；the exports may been an average one；，ine lane The defi－
therefore be 1，500， 000 （nintals．
ciency in oats in Austria is about $1,230,000$ ciency in oats in Alss covered by the excess
hectolitres，but tit is
derived from Hungary．The resalts of the maize harvest vary from one place to will ex
It is thought that the total produce will ceed the average are from Hungary．）
which 22， 100 ，ono ane
IA Prussia the yield oî rye surpasses In Prussia the yield oî rye surpasses by
12 per cent．that of last year about four
million and a half tons；wheat，about 2，450，000 tons；blarley，about $2,070,000$
tons，but this is not sufficient for the brew－
er eries of the country；oats， 2, ena，
being one－third below the averae．
Upon the banks of the Rhine the Upon the banks of the Rhine the yiel
has not been abundant，but the cuality is
exeell
to 65
In
good，
dispo
cerea
disposable for export．The surplus of the
cereals for hreadstuffs will be tur cereals for breanstuffs will be 7050000 quin
tals．The result of the yield of barley ha
been good likewise．In Upper Bavari
there has been an average harvest been good likewise．In Upper bavaria
there has been an average harvest．I
Upper，Lower Bavaria，and Franconia the
Uuantity of wheat is upon an average，an
que
thatity good．The quantity of barle the quality good．The quantity of bart
is satisfactory，but the quality varies．Th
vield of oats presents in ceneral an averag yield of oats presents in general an average．
There is hope，howerer，that some export
nay be made．The stocks of Russian ry may be made．
are considerable．
In In Hanover the yield of wheat promises
to be very goo－ 10 per cent．above the
average；；rye， 15 per cent．below the aver－ age．The oats are excellent，but
the straw．Potatos promise well．
In the Grand Duchy of
the straw．Potatoes promise well．
In the Grand Duchy of Baden the yield of
rye will be small ；the oats and barley give
rye will be small ；the oats
also unsatisfactory results．

In Wurtemburg the yield of wheat is $\mathbf{y}$

仵 cent．above the average；the produce | Ef rent．above the average，the produce |
| :--- |
| of rye is 617,500 quintals． The quantity of |
| riley |




 In Mecklennurg the yield of wheat has
peen abundant and o onsideralle quantities
will he availible of export．The quality of hhe rye is aod，but the quantity might be
treater．
The barleys are very fine．
The sats are magniificent in the thood soils，hot
below the everage in the poor soils．There
are fears of a bad potato crop．
In Schleswis－Holstein the ryes are in greart tuantity wand encellent
ruality The barleys and the oats promese
fuen ropeciuced largely． Incecu lasianely． tuality and quantity are
both generally good．The yield of rye has


 | There is a surplus of wheat upon the banks |
| :--- |
| of the Don and the Sea of Azof T The result |


 ant yeare short．
oats are
II $S w$


 been had to different markets． In Holland the wheats are of good fluality，
but they only suffice tor one－half the conn



> Lerter pron kassas. Le has been my custom to writ
 Oopetul correspondents of the Ploughmann，
hatit it is now with extreme reluctance that
nust，as is my luty show the the In unst，as is my duty，show the other side
ft he $e$ icture．Had a stranger visited our
It tate during the months of April and May，
 ittle plant and tiniest weed seemed ambi－
tious to beoone a tree，the hopes of the
ion Tarmer went up to 100 degrees in the eshade．
Wheat，corn and evertythin egetable was green and in the most promising condi－
tion thon the clint buyss begin to thin
out the
 to wither up the green thinss or eartur
farmer watched the leecy louds，but all in
Now for eight or nine weeks no rain to
amount to much has fallen；the millions of aares of corm，which had stalked ap to
aeven and eiph fect，wited dand was fairly
sooked by the overhanted wind．Next






 will not be had．The hog crop will fall
one hundrel per cent．for want of the means
ond to keep and fatten their hogs． 1 axvise all
who have sutficient means to go while they
 is not to be had．Depression in all kinds on
business will be great or the corn
hog
bet crop is or shiout ee the greatexpen theop
State．It will require all the wheat kepp sthe people from starving，until another copp
is grown．We have certainly a hard time
before is grown．Ne have certainly a hard thon
before us，and what will support the thoul
sand honest settlers through the coming tall


Nov．， 1874
 body except are al
largest slugs
inch in lenth whe
 tirely concealea are
body．The are
behind，and in behind，and in in
mintit tadpoes．
swelling out the swelling out the f
generall rest wi
and
the upper side of of
the upp up．These disguss
the upper side of th
cherry trees，and cherry trees，and
theref，leaving on
beneatht untoncheded． thirty of them m
tand in the year 1 in some pere overe
triaese entirely dest

liag | passing through |
| :---: |
| with a very disag | $\underset{\substack{\text { given out by the } \\ \text { trees attacked by }}}{\substack{\text { ber }}}$ out new leaves．

mern at the enls
that still remain
 the trees，and
The sluy wor twanty．six tay
cast their skin
soon as the skin
skin
 $\underset{\substack{\text { coat，} \\ \text { leafte } \\ \text { A．te }}}{\text { col }}$
After this is
thenr sliy app
have a clean y have a ceany
viseidity
becone prope
heads and the plainly to be
change thy
crepto fallen
 By moving
them beoome

and an oblen | and is afterv |
| :--- |
| glosy substan |
| closely adher | takes place

descent of tha transformati
crawl to the they appear
come fort b

the first of A | the first of of |
| :---: |
| seeorn |
| come to thei | in September

till the foll foll
chan ged of foli ters． It sems t
finish their
fome ground until
all the sluss year shoulo
from
rom for
tonth
the earth t
den shyle on
den ing
den syring
otrer inse
orchard，$b$
of ine
freely，
touched．

Nov., 1874.
(G)atden, (Oxdard amd forest.
the pear slug
This disgusting insect has been quite numerous in some localities during the summir, and has in some the pear trees. They
siderable damage to sidere first noticed after they have eaten seve
arl days, and the trees begin to put on a ral days, and the trees begen oct insect of
rusty appearance. The perfect
this slug is of a glossy black color, about a quarter of an inch in length, and might be mistaken The a careless orth from their win
mon fly. They come for fune, and lay their mon tuarters in May or Junc, and lay thei1
ter quan and disappear in, the counse of three
egge
We quote Harris' description of these slugs:-
"At first the slugs are white, but a slimy matter soon oozes out of their skin and
covers their backs with an olivecolored
sticky coat. They have twenty very short
 largest slugs are about nine -twentieths of a
inch in length when fully grown. The head onch in length when fully grown, and is en-
of a dark chestnut color, sis small, and
tirely concealed under the fore part of tine body. They are largest before, and taper
behin, and in form somewhat resembles
minute tadpoles. They have the faculty of behind, and in formh someve the faculty of
minute tadpoles. They have
swelling out the fore part of the booy, and generally rest with the tail a little urned
ap. These disgusting slugs sive mostly on
Ther side of the leaves of the up. Phese of of the leaves of the pear and
the upper side and eat aw'ay the substance cherry treès, and eat away the substance
thereof, leaving only the veins and the skin
beneath untonched. Sometimes twenty or thirty of them may be seen on a single leaf
and in the year 1797 they were so abundant and in the year 1797 they were so abe smand in some pare covered with them, and the fo-
trees were the air by
liage entirely destroyed; and even the passing tery disagreeable and sickening oilor,
with a ventures. The
given out by these slimy creatures. trees attacked by them are forcel to throw
out new leaves. during the heat of the sum out new the ends of the twigs and branche
mer, at
that still remain alive; and this unseason able foliage, when spre exhausts the vigor o
till the next spring
the trees, and cuts off the prospect of fruit. twenty-six days, during which preriod the
cast their skins sive times. Frequently, ast en the skin 18 shel, they are seen fee
oon as
upon it; but they never touch the la ing upon it; but they never out upon th
coat, which remains strctched out
leaf. After this is cast off they no longer retain
their slimy appearance and olive color, but
have a clean yellow skiin, entirely free from viscidity. They clange also in form, and become proportionally longer; and angs the marks betwen the ring are
heads and the mars
nainly to be seen. In a few hours after this plainly to be seen. Mre tres, and, having
change they leave the treest
crept or fallen to the ground, they burrow to the depth of from one inch to three or font
inches, acoording to the nature of the soil By moving their bocies enally on their sides,
them becomes pressed equall
and an oblong oval cavity is thus formed, glossy substance, to which the grain of earth
closely adheres. Within the little earthen cells or clocoons
takes pace, and in sixteen days anter the
descent of tha slug- worms, they finish the transformations, break open their cells, an
crawl to the surface of the ground, wher they appear in thy form. These flies usuall the first of August, and lay their eggs for a
second brood of slug-worms. The latter in September or October, and remain there
till the following spring, when they are ters. It seems that all of them, however, do ne
finish their transformations at this time finish their transtormations angel in the
some are found to remain unchanger ground until the followng year, so ay one
all the slugs of the last hatch in any year should happen to be destroyel,
from a former brood would still
the earth to continue the species,
 den syringe will destroy this, as well as mos orchard, but lime, ashes, or even any kin
of fine dry dust sprinkled on the insect
freely, will destroy nearly all that are freely,
touched.

THE FARMER'S ADVOCATH.

They cannot live long unless covered with their yeecliar slime, and any dust which ab.
sorbs the moisture and dries them up is pretty sure death to them.
 agricultural papers within the $p$ st year o two, some contending that all fruit trees, the
be healthy and productive, must have the be healthy under and anoanout them constantly
groutivatern whil others are equally sure that
cutivate , gativated, while others are equally sure that
anturace covered by gras is decidedly bet
a suftes a surface covered by crass is decideeny bet
ter for he health and productive capacity the tres. We are inclined to take the mididle
tround, and allow that each method is the ground, and allow that each method is the
betterunder certain circumstanes. Nuch
depends upon the charatete of the soil on vetter under certain chicamet of the soil on
depends pon the harater
wihich the trees grow. We can point to cer tain orchards which have been in grass ever
since the thrst. year or two after hhe trees
Tiere planted.
They are both thrifty ans

 they were to colltivate t
the trees would
duce little or no fruit.
 lires, and hitule care is requit the trees, and
keep inimious insets from the
harvest and market the fruit. Such coses are comparatively rare, however, especially
in New Finland where the land generally needs consididerable forcing to make it pro-
duce thrifty, healthy trees, capable of bear-
 We would treat the orchards acorring to
their needs.
It they need checking we would check them, and ind aso is susualy the
case, they need urging and oreing, we would case that by applying fertilizers in abundance,
dond by keeping the soil mellow and free from
and and by keeping the soil mellow and free froun
other crops which minght inure the growth other crops whici sit the trees.
and bearig habits of
Mr. Thomas Meehan of the
 opposel to the common theory that trees to
opo well must lo eult tivatel like corn or other
don hoed crops. The following extract from and
artice of his will indicate on what groud he
and antide ois peculiar theory. Our readers can
hases his
inluce whether their own soil most neels
 theries of fruit calturnase constantly clean sur
 much above seventy legrees. becomes weak
grees the systen oth tree
nul renders the leaves susceptible to the


 the leaves of his pary trees fall off before
midsummer has hardly gone, and go to pro-
teet

 the proper way,
grow fruit trees.
Ho
 early in the season that it it in impossible to
bud them mud them; and he may have to abandon the
business to Northern men who can "grow

 through. wo
healthy to the last, while those in young alear
lean s.i clan soil will long have lost theirs; and on
testing lavel under the crust with a ther
 cold in some way though he htill may hot
dare to dispute the theries of those who
 these things LLet every one take his ther
moncter



 on its fir
Exchange.
black berries.
A. M. Purdy, Palmyra, recently showed
us a plantation of an acre or two of the New us achelle blackberry, densely loaded with berries and prosh shadood seven years upon the
The bushe ground, and the only cultivation to which
they are subjected is a shallow ploughing they are subjected is a shallow ploughing
between the rows early in spring, and nowing the grass in which they are enveloped. They are pinched back so as not
more than about three feet high. treatment keeps them partly in ad
dition, and insures productiveness. tivated more the growth would become too less, become more straggling, and be mor liable to winter killing. This is now wel
anderstood by blackberry planters, and is in nderstood by blackberry planters, we hav rom boys who gather win bhich the cows
'that if they find a bush whe the full o ave browsed, it is always sure to be treat
berries." Mr. P. says that with this treduc nent the New Rochelle proves more produc
tive on his grounds than the Kittatiny tive on his grounds than the kittating,
and that the winter killing, from which the ormer suffers, does not prove a serious diffi-
He is sometimes troubled with the yellow rust on the leaves, and his remedy,

- transplantine

Always see that the soil is thoroughly
moist in the pots, if not it is difficult to turn the plants out without breaking the roots, and the old ball of soil will remain dry
after frequent waterings. Make the soil aiter frequent waterings.
thoroughly firm around the roots for them to strike at once into the fresh soil; if neces. sary to water the plants after planting, do
it with a spout, not wetting the soil all over the ground; this only cools the soil without giving the plants any benefit, and the soil
is seldom dry far below the surface at this is seldom
If the beds were well turned up in the fall,
which should always be done, at the same time adding any fresh soil or manure re-
nired, nothing more will be tequired but stirring up with a fork, which should be
done in a few days before planting, to allow
We shall infer he sun to warm the sously decided how th most prominent beds are to be planted,
the requisite number of plants prepared fo
for the plants out and plant them at once, fo the less time pot planting afe ster, as in a very
before planting the short time they get dust dry and the roots
suffer. We mention this from noticing very suffer. We mention ts taking out a quantity
enthusiastic amateur
of plants in the murning and leaving a number uplanted until perhaps the ext day,
and then planting when the pots were dust and then planting
dry.-Horticulurist.
old strawberry flantations.
If they have borne two full crops, plough
them under. We do not believe that it will pay to raise over two crops of strawberries rom one planting, and many on full crop,
small fruit growers only take one
smowing that they will diminish in size and nowing that thex will diminish in size when planted, and kept clean at and
second one may pay.
Let us examine the plants in a strawberry plantation at this season of the year, when a large crop of strawserts have been kept in tools- the runners all removed-those stems
which have borne fruit are exhausted, and die, and so do the roots employed in feeding
hem; but from near the crowns of thrse roots new
have thrown or will soon throw "p new
stems to form the basis of next year's crop. Some practice cutting off and removing
the old stems and leaves, just as wo do the old exhausted raspberry canes after they new
through bearing, and believe that the new ones start up fresher, and grow more rapidiy
in consequence, and we have certainly seen good results from such a course, but whether
we cut off the vines or not, the ground be.
tween the rows which has been compacted we cut off the vis which has been compacted
tween the rows whe mellow
by many feet, should be beronen up melo to the depth of three ed out.
weeds and grass claned ourd, perhaps
If the ground is not very hars one of the improved cultivators or grubbers
would be the best implement for mellowing
it but ifitispacked toonarat to yied readily


 | the rov. |
| :---: |
| vator. |
| vat |

If the otrawberries have been kept in nar-
row matted row, the spaces betwen them



 eex yearas a mora.
After the plantation has been put in good order, you would have a stronger assurance
of a a good paying crop next year, if you
hould apply a top-dressing of fine, conhould apply a
A good article of superphosphate, or bone
dust, could be easily scattered along the row, nd, would probably repay cost several times over in the next crop of berries.
The directions here given for the manage-
ment of market plantations will apply ment of market plantations wid apphy,
equally well to the family garden patch,
only substituting the spade for the plough in ony substituting the spal
breaking up the ground.
If the reader comes to the conclusion that
a good deal of labor is involved in the proper cultivation of the strawberry, it will be a correct conclusion, but then none but the
best cultivation pays. Our best crltivators nake some money in growing strawberries
or market, but half cultivators make none. - Am. Rural Home

> Messps. Edrrors:-- A very simple and
ccessful method of preserving the green rapes of wild vines, is one employed in
his state, which may be interesting to some of your readers. The grapes must not be
oo old; the best time is just before the seed too old; the best time is just before the seed
begins to harden. 1 hey are, atter being
picked and freed from stems, put into bottles picked and freed from stems, put into bottles
strong wine or champagne bottles are beet)
so as nearly to fill the latter. These are on as nearly to hires and clean water.
then filled with fresh and
fter this they are all placed in a large After this they are all placed in a large
kettle, partially filled with cold water, and
俍 he temperature raised nearly to the boiling
point. The water in the bottles expands by point.
heheat, and part is driven out. As soon as
sufficiently heated, they are taken off,
then sufficiently heated, they are water pured out of each bottle to
enough water
merely allow a well-fitting cork to be pressed nerely allow a well-fitting cork to they are ealed up with sealing wax or common bees.
and. As the bottles cool down a partial vacuum is left in the neck of each. , for years
Grapes thus preservel have kep invarially spoils during the hot summers.
They can at any time be opened and pre. pared like fresh grapes, and is better to use the
be found in the taste. It is water, also, in which they were kept, asit
contains a large percentage of tartaric acid, contains a arge pem the pleasant sour taste.
which gives them thod and profit
I hope some will try this methou A.
A. it.
Indianola, Texas.

what is the best manuke for apple E. W. Paine, Shelter Island, N. Y., writes CI saw by the New York Times that the
"I question. was als trees?' I have tried seveanure for apple trees? Thave thig off the
eral kinds, and find that by taking cil around the trunk, say two or three feet
down, or nearly to the roots, and puttingon any hones which go from the kitchen, which
save for that purpose, covering and leting
them decay, that this feeds the trees sufficintly. I tried the experiment on some, and ound that they grew four times as fast as
he others, and yielded abundantly. Onie of ny neighbors dug a trench around some of hrs that hal never bore anything, and put
nto it two inches of bone dust. The same trees have borne ten bushels a tree ever
since. Ihave, by grafting in the ground, got fruit in three year mon practice. 1 t
and graft on a sour
and sweet-tasting app sweet-tasting apples. I I have soane that
as white as this paper, grow large and
well-better than any I have ever

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a mystrerious bligit
We invite the attention of cultivators of
fruit to the following letter of Mr. Lorenzo fruit to the following Letter of Mr. Lorenzo
Rowse, of Clinton, N. Y., just published in
the Utica Herald. Disease like this acmno the Utica Herald. Disease like this canno
be too early or too closely observed an be too ear
studied:-
This singular blight was first noticed by apple tree, standing in an isolated, but some what conspicuous position in my grounds, where the blight would be quitit likely to attract my attention at the outset, as I wa times every day. Subsequently I found that others of my trees were similarly af the young growth of the tree first notice was suffering in an alarming degree. Feeeling somewhat anxious about the tree, which wa
young and hitherto very thrifty, I called the young and himeny very chritty, , called the
attention of many persons to it, but found no one who could give any explanation, or even a satisfactory conjecture. None had
noticed any similar case elsewhere. But on
 discovering similar cases elsewhere, and
many of them. I also found that not only the apple tree, but its congeners, the pear and apple tree, but its congeners, the pear
the quine, were similarly affected. Some attribute it to an insect; but careful
microscopic examinations, in hundreds of different cases, failed to detect any evidence of insect work. A scientific friend suggest ed, at that time, the possibility of its having
been caused by electricity, but as there had been no unusual electric phenomenar of recent occurrence, at the time of the appear-
ance of the blight, that theory was then a ansatisfactory to myself as it is at present. ject so interesting to myself York Farmers' Club to of the Central New of the season, and exhit, in the latter part of the diseased branches. But the matles was confessedly new to nearly all of those
present, and, as Mr. Shull correctly state "no definite, conclusion as to the cause wa arrived a
But very slight indications of the blight Were detected by me in the summer of 1873 ,
and the trees previously affected seemed $t$ have fully regained their foriner sound and hrings the disease upon our trees in sufficient force to attract the attention of the most casual observer. with that which appeared two years since I find abundant evidence. It receives more attention now, not because of any difference in the symptoms or character of the disease
but because the indications are more notice able, and the disease far more widely extended, few localities in Central New York which I have had opportunit
being entirely exempt from it.
$I$ have found that the difficulty invariably originates in the new wood, the growth of
the current year. Usually it commences at the current year. Usually it commences at
the base of that new growth; that is, at the joint, line or bulge which marks the division
between the growth of the preceding and between the growth of the preceding and
the current year, in the slender branches, which are the first to be affected. The new growth begins to wither and die, as is shown
by the wilting of the leaves. If the witherby the wilting of the leaves. If the wither-
ed branch is allowed to remain, the disease frequently extends backward or downward, killing at least a portion of the growth of the previous year, and frequently the whole
of it, and sometimes even more. I have found that, by clipping off the diseased portion of the brapch as soon as it is affected
(the indications of which I have just stated) this downward progress of the disease may be essentially checked, and, in most cases,
entirely prevented.
I entirely prevented. I would, therefore,
strongly recommend the course. strongly recommend the course.
Now, as to the disease itself. It is, perhaps, much easier to determine
what it is not, than what it really is. As already stated, repeated examinations careaiready stated, repeated examinations ane evi-
fully made have failed to furnish dence that it is the work of andinsect. The theory of Mr. Shull and some others that it
is to be attributed to the effects of electricity, is, as I have already said, entirely unsatisfactory to myself, inasmuch as it is
wholly deficient in the proofs necessary to whotain it. It is merely conjectural, and, therefore, an unsafe method of solving the mystery. In fact, a moment's reflection
must satisfy us that the theory is antagon. must satisfy us that the theory is antagon-
istic to all former experience. I have been an attentive observer and cultivator of fruit

carefully studied their habits and their
wants, their disease and the remedies. The blight which is now apon them was entirely unknown to me until 1872wand all agree in
pronouncing it something new. Now how
is this, if the electric theory be correct? Have our trees changed their ne natures, and ceptible to the influences of electricity? Or is the electric fluid so essentially different dence of it. The bolt which struck within a few rods of my dwelling, abont the time wasignated by near as I Can judl (the, very similar to
was an one by which I was suddeny prostrated

Views on the Hudson River. A short distance below the confluence of the Hudson River and Fishing Brook, you water, about $2 \frac{1}{2}$ miless in length, with pic-
wuresque surroundings. the lake is a wooded peninsula, whose low isthmus, being covered at high water, leaves
it an island. It is called Elephant Island it an island. 1 is calia resemblance of some of the limestone formation that comprise its bold shore to portions of that animal
The whole rock is perforated into singularly The whole roc
formed caves.
Sunnyside was the residence of Washing

elephant island.

the fond at sunnyside.
The disease now appearing on our apple $\mid$ writers. It is situated on the Hudso and other trees may, I think, properly be termed a blight. The cause, and how to uggested is yet to be discovered. Ilight distinct from, and should not be confounded with, what has been heretofore known as the "pear blight," nor with the "frozen sap
blight." It is entirely distinct, also, in every respect, from the fungus growth on
cherry and plum trees, known as the "black
What herry and plum trees, known as the black
knot." What we need is facts in relation
to it. Theory alone, ansupported by facts to it. Theory
is insmfligient.
writers. It is situated on the Hudson
River, the beautiful curves and banks of which could be seen from its windows,
Irving was a great lover of natural scenery and spent much time and money in beauti fying his place. The pond illustrated above is just a hollow in the hills filled with
water. It is made by damming the stream, and it has a pretty cascade at its outlet. We will, in our next number, give some
more views of the charming scenery along he Hudson River.
New winter gardens and the waquarium provided at a cost of nearly $i x 100,000$
been opened at Southport, England.

## In consi to treat fruit treks

 n considering the growth of organisms,ane ir and water. alkali, and potash the vegetabele one, ; its old name of vegetable kali expressed that fact, nd all the potash of commerce is well
known to be derived from wood ashes. The
poortance of potash importance of potash as a mood mashes. has The
frequently overlooked by farmers raquently overlooked byow the large amount of this material found in grass, grain crops, leaves,
barn yard manure, roots and fruits. How potash acts in plants, in conjunction with starch, sugar and oil, is yet unknown to chemical observers, but the fact of to
action is beyond a donbt pointed out that the chief cause of barrenness is the waste of potash carried off by
rich crops, especially tobacco, with ch crops, especially tobacco, with no rehacement but by proper manure. How many
nillions of pounds of potash have been sent
Eo Europe from the forests of America oo Europe from the forests of America, and
n the grain, tobacco and hemp. Luckily in the grain, tobaceo and hemp. Luckily
one alkali may be replaced by another, and
we have received a we have received a considerable quantity ot
soda from European sea-weed and in the soda from thropean sea-weed and in the
shape of salt. Latterly, nitrate of soda from
natural deposits in South America is brought ous at a cheap price.
The point to which The point to which we now call attention
is that our farmers and fruit growers have
gnored, or rather being ignorant of, the ignored, or rather being ignoraut of, the mportance of wood ashes as a vegetable
timulant, and as the leading constituent plants. Even coal ashes, now thrown away is useless, have been shown, both by experiment and analysis, to possess a fair share
of alkaline value. According to cur observation, if the practice of putting a mixture
of wood and coal ashes around the stems of ruit treess and vines, particularly e early in
the Spring, were followed as a general rule he Spring, were followed as a general rue,
our crops of apples, grapes, peaches, \&o., would be greatly benefited both in quality
and quantity, and the trees and vines would last longer. We will relate only one experi-
ment. Some twenty-five years ago, we treated an old hollow pippen apple tree as
follows : The hollow, to the height of eight feet, was filled and rammed with a o comporth
of wood ashes, garden mold, and a little feet, was ashes garden mold, and a little
of wood ate
water lime (carbonate.) This filling was se-water lime (carbonate.) This filling was se
curely fastened in by boards. The next year the crop of sound fruit was sixteen
bushels from an old shell of a tree that had borne nothing of any account for some time. For seventeen years after the filling, that old pippin
bear well.
Let ns call attention to still another point
of importance in fruit-raising. This is the bearing year for apples and fruit in general
in New England ; probably it is also in scme other parts. Now, when such years come, other parts. Now, when such years come,
the farmers rejoice too much at their prosperity and abuse it, as nearly all people do
the gifts of fortune. We should be temperthe gifts of fortune. We should be temper-
ate as to the quantity of our fruit as well as of our fruit juices. By proper trimming and plucking, the apple crop in bearing years
may be reduced to but little more than half a crop as to number, but the improvemen in size and price, and in the future effect,
will more than balance the loss. Next Feb. will more than balance the loss. Next Feb-
ruary, March, or April, according to lati ruary, March, or April, according to lati-
tude, let the tree-trimmer stimulate and nourish his trees and vines with a fair sup-
ply of ashes, and in nearly every case $h$ ply of ashes, and in nearly every case he
will have a good crop of fruit in the non will have a good crop of ruit in
bearing year.-Scientific A merican.
TER SILVER MAPLE.

Did any of our readers ever hear that the
shade of one tree was cooler than the other? We have, and have laughed at the notion, bu intend to be more respectit it eventide after our hard day's
as we work is done, watching the deepening crimson
in the clouds, as in the far West the sun goes the clouds, as in the far West the sun goos
down; and the cool breeze, sweetened by clover
lossoms, comes sweeping up under the maple blossoms, comes sweeping up under the maple
trees before the cottage door; sure well are
we that there is no tree which in such that there is no tree which in such
an
Itry tmes as these, would secure us an air sultry times
like this.
And yet
And yet the Maple-the Silver Maple-is
but a common tree. "Only a few Maples," is but a common tree. "OOnly a few Maples," is
the apology of the improver when he begins
to talk of more irees to plant. He has these, to tapk of more irees to plant. He has these,
but te is ashamed of them. There is about them none of the blooming beauty of the
Horse Chestnut; and in simple majesty the inden or scores of other trees would put them all to shame. Even among its own kindred it
stands out sort of Cinderella despised by ita

## crower to yobilt up room for

room for
branches
ma rec
Wo sh
Wo
gar reners p p
of summer
not so mu
not so m
coolnes
plantation
plantatio
arrayed
ar med men
and yet
saltrynee
this kind
will be tin
them to
them to se
desirable
in.-Garde
on their dense dark heads, -the spring pays homage to the youthful beauty of the Red thesurar cause boundless admiration in the all tille of the year The Silver Maple has none of these things. isg-bud scales. There is no particular beauty n leaves or branches; and when every thing ay color for the harvest festival, it simply ides ists time. and sends its leaves unpreten th grows with great rapidity; asks no favor at
 grow apywhere at the wish of the rich or
poor, the nulearned or the earned, and we w
add with a grateful shade, which, as the sto dd with a grateful shade, which, as the fiep comptition
We cannot afford to do without trees
Wike these . We like the mental part of the gardening. We love to hear trees and flowers talk, and to ponder over
their wise syings, but here in the dog dom their wise sayings, thithere irhe ang
days, with every thing parched and
burning uabout us, we think none the
lesion wardening that it brivg to us less of gardening that it brings to us
omforts for the body as well $n$ fsor the mind. It must be cone sed, how ever,
that the Silver Maple is too largo a yrower to be a \&ood street tree in closey bailt up diitricts; but when there is
room for to spread its rapidgroving
branches, there is none that will prove branches, there is none thal
m re acceptabla on the whole.
Wo should like th see our gar of summer shade than they do. It is
not so much shade, as to the breezy
coolness that is desirabl coolness that is desirable Many a
plantzition of trees and shrubs are so
arranged as to look remarkably well. arra"ged as to
The mental effort is a completete succeess;
The met sultryness prevails, A few hints of this kind at this season of the year,
will be timely as people can look about them to see whereimprovements of this
desirable character can well be brought desirable character can wel
in. - Gardener's Monthly.

-     - 

The cultivation of the vine in this Province has, during the past few
years, reached a magnitude which very few would have conceived it ca-
pable of reaching in this latitude decade ago. In 1871, the Hon. D Keesor, having become practically as
well as theoretically conversant with the cultivation of the grape vine, partly as an experiment, although ableness, planted nearly seven acres
of vines, embracing thirteen different of vines, embracing thirteen ditferent
varieties. Among the finest in his vinery, as a dessert grape, is the De
laware, which when ripe is of laware, which when ripe is of a claret
color and very delicious. There are color and very delicious. There are
other varieties of a sub-acid flavor, which are preferred by some. Almos
since the cultivation of the vine was since the cultivation of the vine wa
in its infancy, which we presume can not be traced farther back than the creation, even though Darwinian dis
ciples might claim its existence, grapes have been held in high esteem for their medicinal pro perties. es are of unlimited extent, and wher reat quant fies or inebriates in pro red, have fewer inebriates in pro Great Britain, America and other
countr es where malt liquors and the exuntries where malt liquors and extract of corn is people, instead of looking
Temperance pe the growth of the grape and the
on the on the growth of the grape and the
wine press with disfavor, might justly
considerit one of the channels through which the millenium of their cause wou hastened. The grape unpressed is undoubtedly an excellent tonic, and by its continued letter received by the gardener to Her Majesty the Queen at the Royal Gardens, Frog. nore, from the late Sir Robert Peel's garlarge old vines in his neighborhood, and to the treatment of invalids to what is generally known there as the "Grape cure." He
writes as follows:-"I have ascertained from family documents that they were fine large vines a hundred years ago. The diamavelage of 1 foot 6 inches, equal to $a$ girth of 4 feet 6 inches. The finest of them grows
on the slope of Mount Salne; the other two
 on the flat plain that at one time probably
formed part of the Lake of Geneva; the soil
they are growing in is pan chall, which when dug up in autumn, looks more like a arnpike road than a vine-border; yet these vines are in great vigor, and last autumn,
owing to the hot summer, yielded more wine, and of higher quality, than usual. The Lake of Geneva is forty miles long; on both
sides it is planted with vines; and during the autumn, hundreds of invalids come from all parts of the world to undergo what is termed the Grape cure here. They begin by eating half a pound of grapes a-day, and
increase the quantity till it reaches thirteen pounds, when they as gradually diminish it. By this means, I have known many re-

tering timber, while the total area of these
counties is $1,198,280$ acres. A bill was introduced in the State Legislature of Minne sota appropriating $\$ 5,000$ to aid in planting
trees along the public highways, and it only failed of passage in consequence of the abMr. Hodges' pamphlet gives information in detail respecting the planting soil, and
choice of trees, mad his estimate of expense is wonderfully cheap. For instance, to plant cuttings for one mile of road, each one
foot apart, or 5,280 in all, the cost is but $\$ 15.85$. One man can easily stretch the rope and rake tha groand, while a a lively the
of 15 or 20 can stick them ; or in of 15 or 20 can stick them; or in other
words, two good hands can plant a mile a
consumption,, which have baffled the best forest trer planting in minnesota. The subject of tree planting in Minnesota
has assumed an active interest, and we have before us a publication on this point, written by Leonard B. Hodges, superintendent
of tree planting of St. Paul and Pacific Railroad Company. A large portion of the
western part of the State is entirely deficiwestern part of the fatat, there is one almost unbounded and unbroken tract, west of the Big Woods, containing an area of over 12,
000,000 of acres of soil extremely fertile, so entirely destitute of timber that it does not average one-tenth of an acre of timber to
100 acres ot prairie. Three first-class conn- railroad, enter 80 land in the vicinit of a planest 160 acres under tie + reees planting law, for which he has to pay only
the small fee of $\$ 42$, honse on the 80 acres, live there, and culti vate the land. He must also at once break 40 acres of his timbered claim, which mus fter filling. The remaining 120 acr-s wiay be used as farm land. At the expirtion o 10 years his 40 acres of timber alone vill be to these Government encouragemer st ef fireeg, the State of Minnesota has enacted
argeing to pay during a term of ten $\$ 2$ each year for every acre plantei
thees, this payment to commence the
third year after the plantation i third year after the plantation is
made thus paying for forty acrea 880
each year, or for ten years $\$ 800$. For each year, or for ten yearr sro0. .or
planting treess along publicroads and
highways the State also paya 8 for highways the State also paya $\$ 2$ fo
every half mile, the trees not to bo
planted more than one rod apart and if trees are planted on both sides
of such roads or highways twice the of such roads or highways twice the provided the trees are well taken car ition. These terms are such a deo ed encouragement to tree cultur
hat we judge there will be a furor among the Western prairie farmers
to agitate the subject and practice
and The Fox
Last month we gave a pieture of
Mr. Fox in his native wild. This nonth we show his entrance into ivilized society, with its benefits and he succeeds in grabbing that fine fat chicken which he has his oyes on, he will have a jolly/meal, and will feel but in the morning, when, he heara the hounds giving tongue (see cut on pase 70), and wnows that his too good for him to able or run well this morniug, he will wish his hole and home in the woods was with less dainty delicacies, in some place where dogs were not so plentiful
and men so fond of sport why prabs orao
Cuncerning this imporiant subject, Mouthly, wr tes: " 'Pea; so onot erack when the soil potash; and they crack most where those ata cinciec. Common wood ashes tity and proportion, nearity in theat es on- on
such soil require - forty per cent. of potanh and thirty per cent, of lime
Re se ning from th se facta, 1 applied wood ashes at rate of four hundred bushe's to the acre, after the raich hand
form d and cracked. Many of them
bea ed un a d made perfect finit the same reason; others not until the -next seasoon, A hriend, at my sumgention,
applied it heavily to a favorite butterpear tr - in his own garden for several
years in succession, and has had for ne. and I will guarantee it to cure any cee where the ashes are ly applied. - I was told by an experi-
ente $d$ band that $I$ would kill the tr es, enc on the contrary, I eured them.
but on
Therefore, do not be afraid; if one ap plication will not suffice, give them sphere $u$ doubtedy encourages thy
growth of the tree and fruit, while the ingutficiency of proper for lirevents
infection of either; hence or ack 9 fruit
day, if the ground is properly prepared for
them. He estimates that in five years' time $\begin{aligned} & \text { the perfection of eithe } \\ & \text { and }\end{aligned}$ these cuttings will have grown from twenty five to thirty-five feet high and from three
to seven inches at the butt. If planted in to seven inches at the butt. If planted in
the form say of a square of ten acres, some eight feet apart, five years, time woutd be
sufficient to furnish all the fuel and fenc necessary to support a farge farm and afford necessary to support a arge farm, and afforr
additional income from sales of fence-poles The varieties of timber most recommended are the White Willow, Cottonwood, Lom-
bardy Poplar, Box Elder. Others are not bardy Poplar, Box Elder. Others are not
so sure of success, although in our State they' do well- White Ash, Black Ash, Ash leavediMaple, Soft Maple, Eln. By the new terms of the U. S. tree plant
cobal designs
Where tulips, hyacinths or crocussen are
planted in quantity it is a good plan to are somen regard for color in their arranger tertc A, A
small round bed of crocus, for instance, have the purple varie y in the entre, the yel
low round that; nuxt place the striped dind and, , inally, the white; or this order may b
reversed with equally good effect. The same arrangement might be observed in borde rows. A very ploasine effect in produced by
staking out four rowi.
Commence the tivs staking out four rowas ( Commence the tiss;
row by panting about tho fee of white cro.
cus, followed with two feet of purple, tbon


Nov., 1874.

## and selec from them to tt. ose found unprofitable.

 thoose found unprofitable.Such
$\mathbf{a}$ course, persistently
followed for a number of years, would make first-class
milkers in our dai ies and be more profit fo the owners, while the herd would groin
character and reputation in the district fo character and reputation in the district for
ualities. Much can be done to improve th dairy stock by holding over the offspring of rst-class milkers, and breeding only from thos ith a view of ef etting into a perm nent strain
f milkers as faras this can be done in a limite But it does not always follow that a heifer whose mother was an excer's good qualities in turn inherit her mother's
this respect; but when the descendant of a
celebrated line of pail fillers, the probabilities
隹
 stock, our dairy stock may be greatly improved,
 to milking qualities.- Farmer (Eng.

The dairy pr duct of butter, outtide of the necessarily be put daily marketing, must of white oake, holding, 25 , so, or 100 pound
of when
veight. The packages are known in the mar weight. The packages are known of this butter
Ket as tubs or firkinge The value
denends upon the care. taken to free it from lependtemon the care
he buttermilk, and the knowledge and taste
requied toflavor it by the proper use of salt equired to flavor it by the proper use of salt
and theneatness with which the whole process
ond makin is characterized. The consumers are obliged to pay frem twents
oo forty cents por pound more for butter
orought to their cities and large towns we
 made and palke is no more.
intrinsic value the wat oflproper
This is owing entirely
 it is sued. The country-made and packed ouse
ter is ispt in the dairy cellar or spring toret
from the date of making antil sent to market, ter is kept
from the da
retaining
made is done by excluding, the air by the
This imple process of keeping the package covered simple process of keepire salt, strong enowgh t
with rine made of pure
float an egg. When sold, and as moona it it to be dell vered, the brine is to be drained
tirely by reversing the package and leaving tirety
bottom up for twelve or twenty-four hours
It it ithen headed up and goes to market with
out brine. The consumer is interested in get ting possession of his supply as asi soo
leaves the dairy cellar as possi le. le. He sops back to their place and then make
he hoop
brine of pure water and Ashton salt, and covering the butter with it, and keep it coverea
until the last pound is used. The butter kep just covered is easily cut out of the size requirea
for use, and if the h held under the hydran
or pitcher, and water poured over it fieely, or pitcher, and water poureand
will be fit tor the table, and
will pr pe as good as the firs. No fear will be entertained that the brine it performs is to prevent the air from contac
with the butter. The writer knows that firkin with the butcer. kept a year by this simple and
butter has bee ke and
inexpensive process as sweet and with all the inexpensive process the dav it was made
flavr rit possesed the
packed. $V$. $E$. Piolet in Country Gentlema

An interesting paper on this subject was

 superiort animals, and the necessity of cooling
younger and
oft he animal heat promptly and completely
he'ore any further steps are taken. He the explains the use of salt in the preservation
the meat, showing that at little salt should but
nsed as is consistant with the preservation ased as is consistant with the preservation
the meat, and that in the curingoof dried meat
thene should be altogether excluded. He the Continuae a follows:-
What is known in What is known in commerce as the "sugar
cured hams" are packed in bulk with ground


 ower-salted, hard and tastpless.
The celebrat Brring of the olden
times (Newbold, I think, was the nanne.) were times (Newbola,

cured in this wise: | $\substack{\text { ley } \\ \text { lhe ret } \\ \text { the } \\ \text { The r }}$ |
| :---: | rub the

smoke.

THF FARMER'S ADVOCATF






 theoest hhe consisteney and appearance of damp
brown sugar. Rub them thoroughty with
mith
 hhe end of the eecond week again rut them and
hang up to emoke; let them dry thoroughly, but do not smoke them more than the daysg.
te will be perecived that talt the foreg
Teing onlyin the omode of oomponanding the ingre it
onts and their application, and Tam frequent
ont

 In reragd tont matyoning meat. it has been
practiced in this sountry since time immemori-











 for maksiny rine, eak, It think, the
fallou willin my observation:

## 




 preserving meats after they yre cured,", are as
diverifited as they are in ingard to the mo te of
cur






 cleaniness.
chine sh
storing away,
grenention,
preservation.
To preserv



danger of grery fodmer. J.J. Mechi, of London, England, tatest that
person who was nowstomed to supply his (eims with green feed, lost two cart harese
 Young green tares, especially when cut iv. theo ordinary modeo of place ning them before ani-








 Thave long since arrived at ate leane unsion that
the turning out, roaming at largo and whole




 cot food in the mexnerker so that the animal
canot take it uamixel. (ur horetg eovinn in frem work are not alcwed to trink cild
water unti after having caten a little manger
tood
mâ

All flok manters have in view the obje co t of
makint the



 gtraw; much hif expec
litile dune to them

poor provery, and neglect them in every pos.
pible wive


















The mproved prebined catthé. The enquiry this year in the wet for Y former period. Beef cattle aro pow
 is beoming evident, too, that
increasing or young, well brea and wel increasing tor young, well bred and wed
cod bulock, in place of the ver latge and
ecossively, fattened beasts, which hive coessively fattened beasts, which hiive
ceretofore commanded top prices. The idantages of the short:horin crose, viz, early
 neat of the carcoass of superior quality. These advantages are wee eptablished, , and admitted in all the leading markets of ton-
world, and the farming pubic, always con-
 yupon the admissions with beooming promp.
titude The in the matter of improving their asttle stock,
ill be first to obtain more pounds and bet. will be first to obtain more pounds and bot
ter quality of mean from a given amount of Ler quality or meat from a given a mount on to prine market to Correspond with these advantages.
 now, and tive to see the cattle estodk in the ef uncouth Texan, whose form is a mase of fhere tho fullest devvelupment and the moet Meat should be, will only be partially reoogs. Capital and enterprise have gene soothward
and westwari, ,ndd apital in too thin to

and | property |
| :---: |
| Experts |

Expertst in the manifacturo of any leading
taple, or useful thing, very soon loann to
 beast, bred for its flesh, is only rightly
viewal when considered as a mere machine Tor the conversion of crude grain and grase
ito human food, and the man who this as true, and all the mho who upon hho
general proposition inyolved, though not gevery one works the matter out logicanly, though the results reached bear the logio
put fully, is $a$ wise man in his line of buainess, and his wistom will
dantly.- Farru Journal.

автtoнoкея as stock pood.
 ${ }_{c}^{\text {ch }} \mathrm{I}$ kes: -






 ent.
valuink they will furniah a large amount of
vithink the
 hem for you. They
The epinal mening itini in reported to have
roken Ount amony catile owned by Elme




 that he would son come and make an inventit.
gation for the benefit of the catte raididg in gation for the benefit
tereat, and report tit


THE FARMMER'S ADVOOATH.
 ing, stirring it.frequently. Be sure and
cook it until it is perfectly tender. It gen-
erall erally takes more than an hou

Serape and split them, and put into a pot boing water, and cook until tender.-
Ders. with pplenty of butter, salt and pep-
Or you may parboil the per. Or you may parboil them, and dip in
to beaten egg and grated cracker, and fry in
hot lard. They are very good boked or stewed with meat. $\begin{gathered}\text { are very good boked } \\ \text { KATE. }\end{gathered}$
all been busy, as I have been myspelf. Ther
is soen buch to do do in the house, myself. Ther
for winter; warm clothes for the
for for winter; warm clothes for the childre and ourselves, and husbands also. It take
a great many stitches, jus as well as
wood, for warmith durjus the winter. This reminds me that one of my corres
pondents has sent a letter attacking patchpondents has sent a letter attacking patch
work quilts as too much work for their
value when doe mon value when done-too much expense in
making, and too many other neeessary
duties neglected in order to attend to them. making, and too many other necessary
duties negleceted in order to attend to them.
Let me hear from some of you on this sul)Let me hoar from some of you on this sul.
ject. I Ion't myself quite agree with th
writer. Another friend is opposed to
"Pees"- Ant
 ng Bees," \&e. What do you think of that?
Why, th, next thing some one will advocate
will be to do away with eating or courting! will be to do away with eating. or courcitig!
落 I was very near forgetting to tell you that
a sister has led the tary to one of the Granges, at least, so
Uncle Tom tells me. The men thought they could keep all these kinds of offices to
themselves and put us off with the special
ones, but I think we can show them we are uns, batr capable for we chese show them we are as they can
unt
be, and are just as willing to work, too to work, too.
MINNIE May.

Dear Minnie May South Stukely, P. Q.
I have taken mich
I have taken mnch interest in your column of late, and have tried a few of the recipes
with good success. $\quad$ Here are a couple of
mine. Tamer Atkinson. stewed tomatoes
Peel and slice the tomatoes in a sauce pan;
add half a cup of vinegar, $\because \ddot{2}$ t tablespoonsfui add half a cup of vinegar, $-\frac{1}{2}$ tablespoonsful
of sugar, a piece of hatter the esize of an egg; sale and pepper thi) tiste. stew
minntes and serve hot. (Tanner has fory, te
sater for pumding.
Two tablespoonsful of flour in half a cup,
of cold water; stir well to prevent lumps ; pour into a p pint of boiling water and let boi four minutes; add half a cup of vinegar, 3
tashesponstul of sugar, and butter the size
of a butternut; seasoon with lemon. 'T. A.

Boil the chickerin pif. make a good dressing, water thufficient to to theat will
easily slip from the bones-the lutter to easily slip from the bones-the latter to 1
all removed. Mix the meat well togethe
season with salt season with salt, butter and al little flour.-
Make a crust in the usual Make a crust in the usual manuer, line
dishes two or three inches in depth with crust, put in the meat with plenty of gravy,
paste over top and bake an hour: This is a great improvenent upon putting in the
bones, as it does away with the choice in

## how to fry potators

Boil potatoes nicely with the skins on
When cold, peel and slice, chopping the slices lightly. Heel Have ready a pan with
small quantity of butterful to sixix slices; put in the potatoes and
brown lighly burown lightly, seasoning with satt and pep-
per. Just before serving, turn over them per. Just before serving, turn over them
half a cup of gool cream, stir and send to
the talle hot.

## cabbage.

$\underset{\text { Settle, in which have a little boiling water ; }}{\text { Sin }}$ cover, and when it begins to be tender, salt
it; when done very tender, leave the cover
off; add some batter (or the fat fried from

## rood for children.

Milk, bread and riee should be the princi are of very easy digestion, requiring only bout two hours for that purpose; whereas
animal food, most vegetables, cakes and pies require a much longer time. It is natural
for children to be taking food much oftene than adnlts, and if they take fresh food in co the stomach before that previously re deranges the action of the stomach, prompt long train of dyspeptic evils. being higher ature of the body in children intense action and their respiration more soner, and more rapid; hunger recurs much in adults. And as long as the body is grow ing, more food in proportion is required than

> qUality of food.

As to t'e quality of food we eat, there ca the more easily it is digested. Potash is
substance that substance that dissolves metals, but we do.
not hesitate to eat salaratus which is a modified preparation of it, and has the same though a more gradual effect upon the organic
tissues and the blood. Spices destroy the
fiever tissues and the blood. Spices destroy the
flavor of other articles of food, and make an
unnatural and injurious stimulus to apet an The first object of a house-keeper should be to procure unadulterated articles of food
In cities especially, and also in the country to a certain extent, this is very difficult--
There are but few articles that are not adul teratel; even wheat flour, sugar, salt, coffee
spices, teas, farima, aull, indeed almost all prepared articles are impure. Pie crust and
other shortened articles of food are almost Whomy indigestible by many persons, re-
maining a lons timein the stonach producing ernctations and other dyspeptic symptoms.

A yuart of well stewed and sifted syluash,
'quart of grated bread, a teaspoonful of salt six eggs, a pound of sugar, a flavoring of mace or lemon, and a quart or three pints of
gool cream, will make a very nice pud.
ding. Line the pulding dish with thin patato
paste.

A pint of carrot that has been stewed well
nd sifted carefully, to three pints grate bread or crackers, added to a quart of cream six eggs, salt, mace or leínon, and a pound
sngar, will make a very niee pudding.

Four teacups of Indian meal scalded wit
fuart of boiling water two the saluart of boiling water, two teaspoonfuls on
salt, two gallons of molasses, two cups stewed apple. Tie in a cloth so as to let it
swell one third, and boil three hours. This
pudding is very swell one
pudding
beef.
flour and indian puddine:

Four teaspoonfuls of flour, flour of Indian one cup of molasses, one teaspoonful of salt, | $\begin{array}{l}\text { pour a cup of cream. } \\ \text { goes into the oven. } \\ \text { Bake thre hours. } \\ \text { Buse }\end{array}$ |
| :--- |

plativ curess canks.

Turn three quarts of milk to curd,
break it, and drain the whey; when dry,
break it in a pan, with two ounces of butter, break it in a pan, with two ouncess of butter,
till perfectly smooth; put in it a pint and a
half of thin cream or good milk, and add
sugar, cinnamon, nutmeg and three ounces of currants. Put a light puff paste in the
pattypans, and three parts fill them.

It is by fa
upon the subject of housereeeping, than it is to, in an eassy, quiet and systematio manner,
perform the labor of a household perform the labor of a household. By
means of the pen, however, many valuable
hints and aids may be given to hole hints and aids may be given to housekeepers,
which if properly used, will lighten their
labors and lesson their cares. As aood housekerping is a matter of cares. Ast is oood house
kat in
all communities and to all clases in all communities and to all classes, so a good
housekeeper is a person to be loved by the
household, and respete housekeeper is a person to be
household, and respected by all.
Atmany places where I
Atmany places where I have called during
the fall, I have found the ladies engaged in preparing rage for carpets. These carpets
are warm, neat, heavy, and usually wear are warm, neat, heavy, and usually wear
well. The following is a cheap way of well. The following is a cheap way of
coloring cotton rags a beautiful and perma-
nent blue. Take a large brass or nent blue. Take a large brass or copper
kettle, have it dry and rub the whole inside with soft soap. Let the kettle stand intil the following. day, then pour in water,
ash the soap down into it, and let it boil wash the soap down into it, and let it boil
half hour, then add one fourth of a pound of
lo longwood chips and boill one hour, then
put in the cloth and boil or keep hot until put in the cloth and buil or keep hot until a
proper color is produced. This will usually roper color is produced. This will usial
take about two hours, and will color five
punds of rags. They should be dried before washing.
To live wit
To live within the limits of the income,
and promote the health and comfort of the
whole household, should be the household, should be the aim of the housewife, and she should strive continually ances and pleasant conversations, with pleasant and laughable anecclotes happily re-
lated, conduce to both hea':th and happiness During the long winter months when people
mustremain so much in doors, tired of the surroundings, or weary looking at the same arrangements and surroundings.
This tiresomeness can often be relieved by changing the places or arrangement of the
heavy articles of furniture. Beautiful picheavy articles of furniture. Beautiful pic
tures, vases, and winter boquets of natural
fowers that often cost flowers that often cost .but little, sav
the time then in the time taken in gathering, especially
in the rooms of aged people and invalids
Beautiful and bright eolored talle and coverets, chair cushions, etc., all help t make rooms look cheerful and pleasant.
Very beautiful and serviceable rugs may be made in the following way: Procure an
old coffee sack of some grocer, then gathier ip all the scraps and bits of worsted and
tlannel, and tear or cut them into desirabl lengths, thread them into a large darning needle and draw them throngh the cloth,
taking only three or four threads of the coarse cloth, in such a way as to leave both
enils of scraps should be dapa dra in side of of it. Thely as to
cause them to stand up short enough to stand up and so mustosely
drawn in as to cover all the canvas, whicl drawn in as to cover all the canvas, which
must be bound or hemmed. These can be
drawn ino drawn in so as to form diamonds, squares,
or tlowers. These being made of the bright rags, the space alo
nore somber colors.

Canse there your a staves smoke, merely be it; but take con a little water, apply it to the aperture with a little water, apply it to the aperture an
the crack will be closed in a moment. I
can be put on when the stove is hot, as easil can be put on when
as when it is cold.

We do not know a single plant suitable for growing in the ordinary air of living rooms
that will stand so much hard nsage as the iry. The only point on which cultivators
err by neglect is the failure to keep its leaves err by neglect is the failure to keep its leave
well washed and clean. If this be done tw or three times a week, and the soil watere
as often, it will grow for weeks and eve years without danger from change of tem
perature. perature.
Ivy will
rooms than almost any plant with which 1 am acquainted, and all that is needed $t$
make it attractive is the exercise of a little make it attractive is the exercise of a
ingenuity in the appliances or its home. A
vase, not necessarily costly by any means vase, not necessarily costly by any means,
will answer a good purpose; and this reminds will answer a good purpose; and this remind
me of an excellent idea I lately noticed in
foreign periodical for growing this very
lant. Long shoots of the 1









 $\xrightarrow{\text { terns }}$ Ser the sidesost the ahowed tow hang down thus making aroer and round tho wino owow,
 weil in the stron hoom ingeve it will grow as



 plant
the kind of fire needed
 Puddings need a hot frep partioicialay Indion wheyed out

то cook hubbard squash.
Cut it open; seed it; turn the cut side down
n a pan with some water in; set it in the ven; when done scrape it it sith a spoon;
widd crab apple jelly.

Cover the fruit with water and boil until sach punt of juice; boil from fifteen to twenty ninutes.

- perfect home

The most perfect home I ever saw, was
little house into the sweet incense of whose fires went no costly things. A thousnother and three children. But the mother was the creator of a home; her relations
with her children were the most beautiful $k$ placed men were lifted up and enabled to do good work for souls by the atmosphere which nore
house involuntarily jooked into her face for the key note of the day; and it always rang,
clear. From the rosebud or the clover leaf, which in spite of her hard housework, she
always found time to put by our plates at
breakfast, down to the story she had on hand breakfast, down to the story she had on hand
to be read in the evening, there was no into be read in the evening, there was no in-
termission of her influence. She has always
been and alwways will be. been and always will be my ideal of a
mother, wife, home-maker. If to her quick brain, loving heart and exquisise face quad
been added to the appliances of wider culture hers would have been absolutely the ideal
home. As it was, it was the best I have seen.
HELEY HusT.
kefping pears and apples. The apples and pears should be placed in
razed earthen vessels, each containing a gal on, and surrounding each fruit with paper. These vessels being pertect cylinders, about
foot each in height, stand very convenien y upon each other, and present the means of preserving a large quantity of tre meant in a
very small room; and if the space between the ory small room; and if the space between the
oop the vessel and the base of another be filed with a cement, composed of two parts of the curd of skimmed milk, and one of lime,
ly which the air will be excluded, the later inds of apples and pears will be preserved With little change in their appearance, and tilhout any danger of decay, from October
till February and March. A ary and cold ituation, in which there is little change of mperature, is the best for the vessels; but y there being taken from the vessels about ent in a were they are wanted for use, and at other periods accelerotes th at this at other periods, accelerates the matu
y of ths pair.-Germantoun Telegraph.

)
CLE TOM'S
column.
Thin ong winterev of thit formpapyanily

















 ng to pinicic at that house




Her is. a leter which


,-





 hgaib fanctas.





 wait until we are better acquainted and wiee
whether this letter slips through the great hole
in your pockett. Hop your wolld.be nephew,






 279. Without me, ititr yeer rope,



> sequar worms.
280.The tille of a a emperor, a didivion of







 answers to october puzzies.


 gambs.
The oompurduars buyp sinteb.






 wearer), or perhaps by a fortunate yuess, he is
onabled to tell the yame of the player upon
whose lap he is seated, and in cat Whose lap he is seated; and in case he is un.
acuavinted with the name of the personage,
describe her in such a manner that she can be recognized. If the blind man guesses cor-
rectly, he person discovered tal?
puts on hat the bandage and performs the sace, puts on the bandage and performs the same
part, if on the contraary he is mistaken, the
company clap their hands to inform him of his error, and he renews the experiment in the mame manner and withont employing any other
means than those authorized by the game. It
is customary for the company, in order to preis customary for the company, in order to pre-
vent the bl nd man from recognizing persons
too readily, to resort to various stratagems, as, for instance, some spread over their laps the
skirts, of their neighbors' dresses, others cover their's with the cushions of the chairs, and the
ladies who are dressed in silk place their shawls over their laps in ine, all try to disguis
themselves in the best manner possible.
In this game the blind man's eyes are n bo exerise all his penetration. A piece
white and rat white and rather tine linen is stret ched upon a
frame like a sereen, in the esame way as when
exhibiann a magic lantern. The blind man
s seated is seated upon a stool, so low that his shadow
is not represented upon the linen which
spread over the screen. Some distance behind
over him a single lighted taper is placed pupon
stand, and all the other lights in the room extinguished. When these arrangements are
made the rest of the company form a kind of
procession, and pass in single file between brocessann (who is expressly forbidden to turn
his head) and the table upy his head) and the exprese upon which the lurn light
is placed. This produces the expected effect ;
the light of the candle, intercepted by each of
the company in turn as he passes before itc cast
upon the apon the piece of white inen a suaceession of
shadows quite accurately define
shd shadows quass before him, the blind man these
obliged to name aloud the person who he is obinged to name aloud the person who he sup-
pases ing at the moment, and the errors
into which he falls cavise
 to say that each onge, as he he passes hecore the the
light, tries tod oliguise his air, his height, his
gait, to prevtnt his being recognized gait, to prevtnt his being recognized.
Several persons, male and female, join hands
so as to form a circle, and one person, who is so ase
blindfolded, is plirce, and one person, who is
smal stice
stick in his or her the centre with a smance round the hood-winked person, who wher
dries to touch one of them with the tries to touch one of them with the wand, and
if he encceeds the ring stops. The player then
grunts like a pig-hence the name of the grunts like a pig- hencee the name of ther game
-crows, or imitates some animal, and the percrows, or imitates some animal, and the per-
son touche must.endeavo t, mimitate the
noise as closely as possible, without discovere
 fers the bandage and the stick to playar per-on,
and takes the vacant place in the tither and takes the vacant place in the ring, who
onoe more resume the dance until another per-
son is touched once more ree.
son is touched.
14-rRench blind maN.
In this game, instead of blindeld
the players, his hanstead are tiied behinding hime of
in that difficult way he must endeavo one of his compmanions, who must, when
caught, submit to the same restraint. 15 -the ribbons.
Each person in the company takes 2 ribbon
and holds it by one end. The other ends are
all united in the hand the game, and who oonsequently tis placed in
the middle of the circle When they must let go; when he rays 'let oro, they
must pull the ribbon which they hold. It Is
astonishing how simple game.

16-the cotton flies.
ane of the plavers taker a flake of cotton or
a bit of dhe which he casts in into the air in
the midst of a circle formed by the the midst of a circle formed by those present,
who are seated close together.
He who are seated close together. He at once
puffs with his breath to ceep pit floating in the
sir, and the one tow its course must puff in the same maner to
keep it from falling upon his lap, which would keep it from falling
cost him a forfeit.
17-the huntsman.

One of the players is styled the •Hunts-
mana, and the others must be called after the different parts of the dress or accourtrements
of a sportsman; thus, one is the coat, another
on the hat, whilst, the shot, shot-belt, powder,
powdor-flask, dog and gun and every other powder--lask, og and gun and every other ap
purtenance belonging to a huntsman has its representative. As many chairs as there are
players, excluding the huntsman, should next
be ranged in two rows, tack to ber Cheranged in two rows, back to back, and all
the players must then seat themselves. Being
thus prepared the hute thus prepared, the hunttrman walks round the
sitters and calls out the assumed name of one
of them; for instance of them; for instance, 'gun.' when that per
son immediately gets up and takes hold of the coat ekirts of the huntspman, who continues hi
walk and call walk and calls out all the others one by one
Each must take hold of the kirts of the per
Son before him, and when they moned, the him, huntsman when offer running all around
the chairs as fast as he can, the other playe holding on and running after him. When he
has run around two or three tiines he shout
ut
 to the other seats as they best ca. Of course
one must be left standing there being one
chair less than the number of players, and the player so left must pay a forfeit.
HATTIE Haviland.

## UNELE TOM'S SCRAP BOOK.

Landlady (fiercely)-"You must not occu-
py that bed with your boots on!" Boarder od, never mind; there ouly an old pair. The
bow,"ugs can't hurt 'em. Ill risk it, any
how
story of a tombstone agent
bis advantage to work upon the feelings in je in a strange section, and was sent to call upon a Mrs. Brown, who had lately list her
husband.
nvited to sit downtroduced himsole of the was
the weather was then getting a: ound to businesk, said rather
"So you have lost your husband?"
her han of fafiction; that the bet of tried wore oomed to part, and but fow inowew nay










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chievibments for wagrrs.
Some-of the achievemers Journal.) depending on the
incentive of wagers were in past

 In the oarly



 It buther, on ocomim summer eveving, in
隹
 Naf empleman undertok, for on wase, Het


 duniriga finitit paid by ono of thar rogal
 Yaing hithat rondand ad onan on ing hoot





 Warded to bim









 woo waswaeded arded, tulbbed, roodi, ipa




THH FARMTHR'S ATVOOATH

## 124

8ut expiary.
sucorsspol bec-gerping in a nut-shill.
The great secret in


 ${ }^{7}$


Aod commeness in prioigg to stimulate, equal. Aommencos in piring tit simultate equal









 ,oneming pes
One the other hand, Boommenees with the
 plus. orati liant but yery feew of them, and
 cimmone beiaing vidion tio tote honey the
 Cays more, or thereabouth botore there come Conem on anain and B has no gurthe honev,

 dondition to commeneno eforing have th go gik















 $t$
There mant be geanong and loanities where




оova har for hooses.
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 which are often excited whilst the bridie i
being put on, appear to be manifestations of being put on, appear to be manitionghalt. All
conditions very similiar to springat.
these defects are nsually particularly apparent when the animal is first brought out of the
stable, and from any cause he is irritated o anojed The slightest cases of springhalt are readily
enough made aparent by causing the animal
to move back wards or to to move back wards or to take a sharp turn,
when from a few steps the natural symmetr when from a a few steps the natural symmetr
of motion is disturrend and the sudden catc
up of the affected limb is particularly notice up of the affected $\lim$ is particularly notice
able. The great maj $\mathbf{r i t y}$ of cases over which abbe. The great maj rity of cases over which
we have as yet but little ontrol. Although
often born with the colt, or observed very soon often born with the colt, or observed very soon
after birth, it usually appars to be indepen.
dent of heresitary of transmission. In a few cases in which we have known it to re-appear
in the progeny of springhalt parents, it has fol in the progeny of springhalt parents, it ha3 fnl- No
lowed the sire rather than the dam. No
tren treatment, either of pregnant mare or of her
foal, can prevent its occuring. Violent ex oal, can prevent its occuring.
ertion, undue excitement, unwanted sights and
and sounds, as in other animals, tells very prejud
cially on the fetus in pregnant mares, and may ially on the fetus in pregnant mares, and mand
beceme a source of springhat. Chorea and
ther nervous disooders in cliildren are ofte other nervous diso ders in children are often
traceable to frights and violent nervous im-
pressions sustained by the female while the pressions sustained by the female
child is in uter. In well established cases of springhalt, neither iron, arsenie, strychine nor
electricity, are any permanent value as a
cure. $\xlongequal{\begin{array}{l}\text { electricit } \\ \text { cure. }\end{array}}$

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