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Agricultural Clubs. As the season of our greatest toil is hand, it would be well for farmers to turn their attention to farmers' clubs. We re-
cret there are as yet very few existing gret there are as yet very few existing,
among the best we may rank the Markham Club. The system of this club is to get as many farmers as possible to join, annually, which is expended for requireare held, and the various topics of interest in agriculture are discussed. Subjects for discussion are appointed by the members of the club at each meeting, and the dis-
cussions take place at the following meet-

The club assembles at the houses of the different members-sometimes one memtimes another-changing the locality each nonth. The most energetic and enter-
prising farmers keep up the club in this way.
The meetings are held on the first Saturday of each month. They assemble at
2 o'clock, p. m. ; sometimes they breat between 5 and 6 o'clock ; at other times they adjourn for tea and reassemble, and remain until late in the evening.
The object of these meetings is to disconnected with agriculture. They gain information from one another.
We attended the last meeting held by
this club. It took place this club. It took place at the house of
Mr. Milligan, at Milligan's Corners about a mile from the station of that name on the Toronto \& Nipissing Railroad. We drove from Toronto to the farm. After
leaving Toronto about six miles hehind us we passed through one of the best farming sections to be found in Canada the farmers in this vicinity pride them selves on having the best ploughed land in
Canada. If a bad ploughman was to Canawa. If a bad ploughman was to
show himself along this road we believe the farmers would drum him out of the section.
The houses, barns and farms are in good
taste and order. Considerable tile drain ing has been done here, and has been found to pay, but there was a marked difrerence to be observed in comparing the appearance of this fine part of the coun-
try with some others we have seen less favolably situated; scarcely a shade tree
was to be found aloncside the roadside. We well know that this subject has been
discussed ly the club and that trees form a beautiful avenue in a few years
alon, the roudside, affording shade for stock, protection from the drying wind and cold blasts, and tend to increase the
value of the crops.

Perhaps we have digressed from our Pibject, but fuller particulars of the meeting will appear in the next issue of the
paper, all our space being filled in this.
Meanness of Official Bodies. Mr. H. Anderson, the present superin xhibition, who was formerly Secretary to the Western Fair or East Middlesex Agricultural Society, knowing the necesa picket fence, proposed to the Provincial Exhibition directors to have the fence put up, if the Provincial Board would pas half and the Western Fair Association the making but \$60 each. The Provincial Board at once consented, but the Western Fair Association refused. will pull it down has got the fence up, but the Provincial Exhibition, unless the Western Fair Board comes to time. This looks mean of the Western Fair Association, especially as they wished to
have it done last year for their own convenience ; they have funds and they need the fence. not give anty Council of Middlesex woul hibition this year. The city of London is acting in a more honorable manner this year; the mayor and corporation appear
to be doing their duty, but the county and East Middlesex Association deserve the condemnation we give them. It may tend to bring them to time in future

## A Word with the Farmers.

$$
\begin{aligned}
& \text { We issue this number rather earlier } \\
& \text { than usual. } \\
& \text { Our general mailigg week }
\end{aligned}
$$ than usual. Our general mailing week is vor to have the paper in the hands of sal scribers by the end of the month, but to avoid interference with our attention t

the Provincial Exhibition, we publish week earlier than usual.
The fall seeding is now passed, crops are
secured, and the business of the Fxhibe secured, and the business of the Exhib tions and ploughing matches will be over
next month. Then will commence the plans for another season's labors. You will have time to organize agricultural discussions on different subjects in connection with your business.
Do not enwrap your whole attention in the two powers that are struggling for su-premacy-the Conservatives and Refor action be agricultural interests, farmers' rights and farmers' power. Do not allow ere with your agricultural affairs
of this paper endeavored to advocate ag. spoken against persons or measures that we have deemed tending against the agricultural interest, Oonservatives in some the Reform ticket, and therefore have endeavored to check the circulation of this paper and the advancement of the Agri-
cultural Emporium: again, many other cultural Emporium : again, many other
persons have condemned us, our paper and enterprise as being for the advancement of the Conservative party. They may
have hastily judged from a single article have hastily judged from a single article or from a correspondent's letter; some are
so prejudiced that they will not listen to two sides of a question.
Let these be the leading questions: al paper free from politics and independent of politicians
Shall we as farmers have a voice in Shall we as farmers have
Canadian agricultural affairs
Shall we have a paper that advoeatem
our interests ?
Shall we unite and gain strength and In some places the Agricultural Emporium question is being discussed, and
we have been called on to address meetnts, and shall as far as in our power attend at such gatherings when desired and suitable arrangements are mado.

## Seed Wheat.

In our last two numbers we called attention particularly to the Scott wheat.--
We spon We spoke strongly in its favor, and from
the reports we have since heard of its hardiness and productiveness we feel convinced that those who have procured it will be satisfied with the result, if the
season is at all to be compared with the two preceding ones.
We expected to have obtained a supply from parties whom we supplied with it last year, but instead of being able to sup-
ply us, we are asked by some phat, we are asked by some of them
wo would the different localities would take what they had to spare at the prices we would the same prices at places farmers sell it at Some have raised over 40 bushels per acre of it, but such are rare exceptions, alhave heard of yielded more than the Treadwell, Diehl or any other variety. We
much regret that we were not able to supply all that applied to us. We sent out a great deal of wheat that will gain us
credit but to fll the mands on our supply some orders were filled in our absence with wheat that was not quite as clean as it ought to be, although far cleaner than many lots we have
other countries. We know a few bave been disappointed in not receiving as much
as they desired, and some have not received it as soon as they ought to have had it, but we have done the best we
could under existing circumstances. The number of orders and the large quantity we ever had before.
This speaks well for the Enporium business, but we feel the disappointment
of those who were not punctually supplied more than the parties themselves.The quastity that has been sont out feel satisfied will be a material benefit to
the country and will further the spread of the country and will further the spread of
it in sections where it had not been introduoed.
To enable us to carry out the introduction and dissemination of good and proper
seeds, aud to aid yourselves, we would call your attention to the charter published in the June number. Let us farmers unite and have the Emporium carried on by our selves. Let every eut.rprising farmer
have a voice and an interest in the institution. Unity is strength; let us unite, and if the present management is not right let us make it better.

Col. Taylor's Sale
This sale took place on the 12th instant; ford and Dutchess bulls had cansed much more select gathering of short-horn county
xcite sale was conducted very quietly,no of the stock hardly realized as much the Col. expected, we think he has reason or buyers-in, and every animal was sold without reserve. One bull was put up, but no one made any offer for him, or he
would have been sold: he was not a bad bull but had a peculiar gait which did not take the fancy of the buyers.
The calves were very fine, showing the The calves were very fine, showing the
superior value of the bulls which had superior value of the buns
been selected; one calf brought $\$ 600$, and a better looking animal, to our julgment,
brought ouly $\$ 450$, but its pedigree did brought only \$450, but its pedigree ation not stand
The cows were only in milkine or com-
mon stock condition, and brought what we thought very good prices for such stock.
The Cob provided a sul, tinatial liunch
under a tent ou tie eround, for the visiunder a tent on the quound, for the visi-
tors. The sale to k place in a nice shady grove in front of his house. the following remark We do not believe that a single anima of improving Camadian stock for Canadians. Every animal was purchased either our breeders or dealers.
Crop Statistics.

In this number of the Aprocarn will he
found a lrief return of the agricultual statisfoum a bich ria for the present year from our
tics of Victor
Australian exclanges. The report is consiAustralian exchanges. The report is consi-
dered favorable, and, comparing the yield
Fron the dryness of its climate Anstralia must always
be inferior to Canadia as an ayricultural coun-
 hileness for shicep pasturage and for the growth of the grape vine and cotton phant.
But it is not to Australia, its soln or climate that we wish at present to direct the
attention of our realers-it is to the fact that they in Australia are in possession
the statistical report of the crops within fev reeks of the time they are harvested
We have in Ontario, as in the other Provin. ces, a Department of Atriculave, not as yet
people and prisss of Untario lave
been able to outain a report of the yield of our harest suchas that which Thare Gre-
ceived from the antiodes. The Grad
Trunk and Great Weatern Ra:lway Companies do endeavor, as iar as is in their
power, to oltain for the country that infor-
mation that we would expect to receive


 great results, for good or evil, as is hene And,
product of our fields, should be given. And
to have this information truly valuable, it oo have this information truly valuable, it
should come bearing the stamp of authority. The reports of individuals and of companies
like the Grand Trunk and Great Western cannot have the fullness and completeness
that are neecessary, and they cannot possess that are necessary, and they cannot posses
that entire reliability that we would expect
from returns issued by the authority of the from returns issued by the a
Department of Agriculture.
To have these reports realy valuable they
should be issued at as early a period as pos-
sible sible consistent with accuracy. As yet we
have but vague opinions and somewhat contradictor reports of the crops, though on
these reports business men rely in making their calculations for the coming season, and
ns is well known, the farmer is greatly suided in his selection of crops for the com-
ing year, and his prepartion for them, by the profit and loss of previous years, and especi stan the of year farmed's being preceded by this
sxperience are famuliar to all. The prefer-
exper experience are familiar to all. The prefer
ence given to fall wheat or spring wheat, the
sowing sowing or not sowing of barley, the choice
of what kinds of root crops is to be sownturnipg or mangolds, or ruta bagas - is often
left to be decided by the sucess or failure of
imilar crops the previous year. That the similar crops the previous year. That th
farmer may make his arrangements and
preparations in time it is necessary that he preparations in time, it is necessany
have early information of the sucess, or par tial success, or failure, not merely on his own farm or in his inmodiate vicimity, bu
thronghout the Province. In asking the
Ancicultural Department for this timely in Agricultural Department for this what which is
formation, we do not require that wlich impossiblo or even chifticult to be obtainod.
The centralization that exists in every De
partment does away with any obstacle that might otherwise exist. A greeat central
muthority, with its many ramifications, can aushority coct and arrange all necessary de
easily collect time. It has been happily said?
tails in gool time So may we say-reliable crop statistics, sucl as the country demands, would, by being
given in time, possess twofold value.

Notes from my Gardel.-No. 3. I have been very unsuccessful with my
squash this year. Niy Hubbards, which are squass
the cream of sspuash according to my illea
rew so much to ine that the bees and flie coulld not get in at the flowers to mix the
pollen and fertilize, so tiat the result is that
 off. They disgusted me of squash raising
for, notwithstanding that I have tried al the nasul preventatives, I find nothing tha
will drive away the bugs which will not al kill the vines. What must
raising squash, I suppose.

I am just as lucky with my tomatoes as
an unlucky with squash. The Canadian, ami unlucky with squash. Tho Canadia, proved a decided success. They are not so
much earlier than any other, but they are
better in many ways. They are a good shape and smooth, with very few creases. Good,
well-finovered meat and not a super-abundance well- -inavered meat and not a super-abuncane
of seeds. They are very prolific. I put them vines grew so profusely that I had to trim away 1 nore than hal, and then they wernct
thick.
text year I I propose to construct 5 f feet high, and tack up the trellis about 5 feet high, and tank up the
rines to that. I will thus give them plenty
of suu and air, and prevent the loss by
rutting I notion flelit trems. Iawthorn Dean apple as you speak, fo the ree to plant out. I mientioned the sulject loos a large business. He says it is a very good apple, as you say, and, athough it hat
been long on the market, and much pushed Mr. Leslic, it has not heon generaly poor, scraggy looking things, and will not
sell. This is the case with lany of the best
varietics of apples. The trees are of a rough, ugly shape, aphl, therefore, we are foolish
eniot.th to refuso then, and fill up our or
chards with nice looking twes which wrill






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 Every articiel othat grows tatees saitt out oust





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 way and took them jout one way, Xow Your vegot your ary roses, and your pronine

 hei knawe shonat these ieve things is to hear others who hive real spat of them, ane he read geoprnipy
ancien countris



 Lotyes amon, our firmes. They yont tare







 neighlors. - Proarerss.

How To cook hiver. it well muld vioilit tifteen minites in wraterin winen thero lias been thiown everan turie


A corisponalent or the cur chintror ap Aays II is my belief that there will not be 3




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## riximbd














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ber
ber will they pay








## Enremix


 of the feratase inize in in cie virety fom wien ery iil briot, ithot buid
 Rasthey peases,
untry
chunemi
, round six feet tish




 en inenemphand and

## ETATTOCK \& DAIRY OCK \& DAIRY nice for tur fant.

 up the crop of grass and forage stuff some what, and the Nero Englundits readers the following advice
of the will suppose that owing to the effect of the drought on the mowings and pasture
this year, that the farm cannot carry through
well more than one-half or two-thirds well more than one half or two-thirds as We cannot sell because our neighborss are in
the same condition with ourselves. We can not buy hay for the same reason. Now, we can divide up our scanty allow-
ance and by using it very sparingly and let
ting our animals run down to mees carry most of them through the winter, with Sareme will "die of to shourse, otherers will be weeak
and not "do well " will go dry, or nearly so, several months, and
it will tale the it will take the best part of the next year's
grass crop to bring them back to where they
are now. Wark theopose a different mothod. First, their prime; then the younger ones that ar
the least promising for future usefulness then all such as are faulty in any particular to it that all these go farrow. Then if among
the young stock there are any that do not the young stock there are any that do not
come upto the standard, mark them also for
the butcher Now, instead of crimping and stinting, fee
all liberally. Buy grain while it is cheap. It all liberally. Buy grain while it is cheap. I
is lower now by the ton than hay in many
markets markets. Feed as large a proportion of grain
as you dare, especially to those that are to be
disposed of disposed of.
With shor
dairy
dairy products, if of good a liality, hay crop, mest be and butter or cheese from yet all the milh and butter or cheese from your cows that
good feeding wwill produce. Whhile you keep
your stock feed as if hay and grain were plenty. Farrow cows and young animals under
such treatment must gain in flesh, and when
you have carried yo you have carried your whole stock as long as
you think you can on your fodder enough left to keep, those through, well hav that
are to be retained, just call in a drover or
butcher butcher and trade with him.
By that time thore will great deal of poor beef on the market, and
poor beef will be very poor beef will be very low; but if yours is
what it ought to be, it will find buyers at fair price.
Don't be afraid to feed meal for fear of garget. A case of garget in a fat farrow cow
is not half as bai as two cases of consump
tion on poor new milch cows next spring.
dhagnusing diskases.
By diagnosis is meant the ascertaining
from the symptoms the character of the
complaint and the complaint and the special organs involved.
This is not nearly so easy as to determine the proper treatment of the disease itself. accurate knowledge of the observerce ; the other in a great measure is guided by a know-
ledge of the practice of others, and of cer-
tain certain medicines and operations. When the disease is accurately diagnosed, the mode
of treatment becomes comparatively a simple matter.
While
While an experienced observer can often 4oms presented by a diseased animal, ther are nevertheless some cases in which a, know-
ledge of the previous conditions which have excied or produced the symptoms, will hel
Considerably in making a correct conclusion
The causs The causcs of disease known, its exact char-
acter is otten an once prparent. It is there-
fore, neceessary to look to the canses of the disturbance as the first element.
If injuries by accident have occurred, the
nature the injury will sufficiently explain the trouble and idicate the proper course of treatment
But in internal complaints the difficulty be comes greater. There are many causes by
which disease is engentered which are unob
served and served and obscure. Among them are im-
proper food or water, injunticious or sudden
changes of fool, want of food or of weather or exposure to extremes of heat

|  |
| :---: |

SMall cherse pairy.
I give my way of making, with three or four
cows, a cheese that will weig' from 10 to 15 Take milk that is swett. Do not remove
muct of the eream from the night's milk, then
warm it so hat it shall arm it so that it shail be of the same then-
perature as the morning', milk fresh from the

 through. dividing the curd into smang in arares.
Whh nthe whey separates pour it an of then then ake boiling whey separates and pour overr it ; ; the it
fand ten minutes in the water ; this is to it
 cool place until it yets entiruty cold; then
chiop it tup fine and salt it to taste, and put it
inio the press, pressing moderately hari for
 inace oni
Gazette.
relieving choked catile. On an animal becoming choked with any
hard substance that cannot pass the gullet.
barsh measures should never be used until al harsh measaures shauld never pass the gullet.
others have failed. The practice of pl.cing a block agaiust one
side of hhe throat and end avoring to treak the
oustruction with a mallet,
 lest aurt at the same time most efficacious re-
merdies is to give a half pint of lard oil or
melted lard, by drawing out the animal's
lit congue, raisin the head and admini itering
frou athick betlee This libricates the gul.
et, sick icks the stomach, relaxes the muscles of the thrat, and in coughing the lodsed sub-
stance will generally pass sither up or town.
If the cholsing has exisited so fung hat in fammation of the throat has ensued, resor either whad elone, vulucanized ruyber, \&c., with
apponge or soft subutanie affieed to a sponge or soft subotan.e affined to the end.
Introdice thle soft eud into the throat, hulding
 or to now a case of ife or death tlm poulticee. ke pening it iu cion app contact stippery
the thry
theat by sccuring the folds in which it is phece auinal on livhlt toon, assisted with linsetul
tea, until the inflamuation is subdued. - Our
chunn hore milk on mitm priper.
A correspondent of the Mavk Lane Express Yrom observation I believe too many butter
makers do not skim as deep or churn makers do not skim as deep or churn as mu
milk as they ought.
dit like to set with the cream. It is a common practice for
noot buter makrys to have a skiunner that
 If any onir has a
miug deeper I shall leterer preased to to hear it, and hre with give my reason why I think we, whint
to skim deeper and churn in re milk with the cream.
First, there are but few dairy houses so far
removed from the odors of the kitchen swill matter, as to keen the cream from natsorbling
olors that ioune the flave of the butter; and
ous Che cream must first rece ive, or have these odors
pass through it, bef ore they can reach the mi k ,
sit it most expensel as it is most exprisen. Churne mith, thereforet,
must te pure, and if chin the
will aid in takink up the odors from the butter. By churning only the cream the dash of the
churn must, as we think, inju: the butter bulos and make tht butter salvy, as the friction
is mornd irectly is more if milk was mixed with the cream.--
the case There are times when the milk gours bofore all
the cream is up yet the mulk if not quite as good from th kame cow that is
being fed he same feed, in a warm noorning
Rut we often weet twice hi But we often get twice the amo int of cream in
col days than we wo in the warrn days, and the
 same,
yieldof cream. It It on to be supposest that three
is that difference in the nilk produced from the same cow on those days, when the cows were
fell in the pame pasture, that there was in the amount of butter made from their milk by
akimming the cramm only. I have thought when the milk is brought in in a heated con-
lition, and placed in a warm roome that per-
haps many of the butter plobules were ex. ploded by the heat, and that they mingled with
the milk like alcohol with water, but to churn tile milk like alcohol with water, but to chur
all the milk would be to get more butter.
kerry cattle
A correspondent of the Country Gentleman,
writing from Massachusette, says of the famous rish breta of Kerry cattle: The Kerry breed of cattle are small, com-
patty buit, sand very hardy anima's not ugly
n form, is s some suppose (as the Jersey ow Cunes o be for instance, as she gets old, but
ymmetrica
 cecially in the coarse part of their their bodies, es are perhaps
litill longer than the Uoros, but not much
nad they resemble that breed cid they resemble that breed more than any
ther io thin in general appearance exceptiog in
colour. The Kerries are, or should be, alway jet bick, hlough sometimes they are red cr
jorinded. Mlack is the color that is oneqhat and
bred for. They have a soft, mellow hide, which
 flly dev loped "mirrer," high and brood,
what the Jersey breedess are always seeking
or and seldom find and the wid for and seldom find, and the udders are .f. the
mot anproved form, with tea:s well and equally
mlaced. They are not large milikers- that could hard-
Iy te expected of such smali animald; they Harts per dush, bat froy they are peight to forstent milkeers,
num aid that is their great point of ex cellence-
What I mean by persist cut mikerersis that they
 my favorite way of judging of the merits of
diffrent kinds of stock is to keep thtu to.
jether yether, and as nearly as may be under the same
conditions of food and car . have in the same
buil ing with the Kerries a herd of pure bred serseys and some "natives." Fur geveral
seasons have watched thm, and have alway.
found that in the latter part of January the only cows (of those that are to calvo in the
following spring) that are then giving milk are the Kerries, and this notwithatanding they re-
ceived no other fo.d than hay, while the Jer-
eves have to have hem from ". "ravening dome mean and bran to keep
As for the quantity of their milk, I once made the following trial $:$.
For one week $I$ ill
had the the ries and three pure-bred Jerseys kept separate butter, which was weighed and compared with reast care. The result showed thit it ook
ight and tiree-cquarters quarts of Kerry milk a a pound of butter, , quas eight and seven-
it hths quarts of that from the Jersey cows to The above, you will sa
nale The above, you will say, is rather a " rose.
colve d" accont, but then there is never
rose without its thorn. ' The thorn -the draw. rose with the case of the Kerries is the fact
bask they could
that they that they mature very slowly. They could
never be profitable for raising veals. The
nal jood milk they consume in their infancy to saing the uncation of a an, harly con-
stitution for rater ruseluneps. In all my ex.
purience with the Kerries I have had lout one wrimpe with the Kerries have had wat one
heifer drop her calf duri, the Beason that she
was two years old. They "enerally come in at three, and afterwards are not as quick.to de-
velope into the full unefulness on the matur-
cow as some other breeds. 1 believe, however, that herd of mature Kerry cuws will make more milk and buiter in a year on the gamu
feed than the same number of cows of any
other br ed.

## Erdiva

il the milk they can get fo what they feed. If their food is expensive,
hiere is less gain, sometimes sometimes loss. Mut this need not be. all,
To
ced largely of rain will never profits. Grass is the cheapest, not as pasture, but cut and fed, in the way of soiling. When
we say grass wo incluce clover. This plant
is the cheapest growth on the farm. it realize most, getting so largely from the atmosphere, is the best plant for soiling, it may be cut she best plant for soiling; it may be cut
the season through, the small or medium kind quite early. Kye may be used a little cutting-and it should never be done later
chan full blossom-is better for being a little with the dew or rain on with the dew or rain on ; whether for pas.
ture or for soiling, as bloat is threatened in such case. We know this ty experienge,
having lost several cows, and the best are
and ers.-E $x_{b}$
Mr. J. S. Armstrong, the note reeder
Eramcea, has just arrived from Britain, bring.
ing with him nine superior thorough bred ng with him nine superior thorough bred
short-horn cattle, all prize animall.

## FARMER'S ADVOCATE.







 mals go iicking about a burnt place while there
is plenty of food grass around, and they are

 grasees.
hints to dalibrares.
State Dairymensm Associatition for the year end ing Ootober, 1872, recently printed. is is a pamph.
let of of 164 Pages, ant 1 contains much valuable
int iniormation tepens with the address of Presi-
Tent Mason, who makes some pertinent remarrks in regard to the loose way in in which many dirymmen keep an ancount of their farming op-
erations and the octst of the articiest they have
to to sell. ${ }^{\text {The same applies equally to formers }}$ engaged in other branches of farming.
He


 the rear in the march of improvement must be
content to occupy second-rate positions, and be

 perform their operations in a moro 日yst matio manner and keep arevilar reeord and aceount
of their dairy business benerally and sppecific ${ }^{\text {all }}$ For


 whether this, that or the other mode of dairy
 continue in the hairy business or not, nor even
at the end of the year are they sure whethee





 it tostst to make 100 p ound of cheess or butter
Then, and not till then, can they tell wise her $i t$
 eont inual guessing and thinking and ignorano
in rexaral to thoue things we should know all
about.

##   porousness or

I his 8 sls year Mr. Thomas Garne passea
away at
on this bleak primitive home in the
 fosed farm et Broadmor, on the northern side
 wl ${ }_{\text {ta }}^{\text {ta }}$ ${ }^{2}$ th



 ing any more emales
Mr. Garne was more
cas.










 Were his tootrine
 мй.





 dying man who had ben subbj jot to to dysentery
eisht monts, and it tacted on him like a charm
In three weels
















\section*{ <br> 

farmers ynd by Prof Linow is full of int interestivt

 peared a large number of organisms in differ
tut staves of growth. The investigation was




 -
 with water, potwish, and maserateded tripe


 Sonate with thirty prirs of water-and the
washing the product, irist with water contain
nal
 intho was used by the e eitionons of Paris during






 have not planted. Where streams, , the snowy range water is abundant.
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## Agritulltural altems

 In 187 , Engrand sent to the United States
books of the value of more than a million del.


 in the Nagarar dustriet
hish as $\$ 4$ per bushel.

 and root crop is said to be alove an average.
The appreciation of American agricultu




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pand he would incresese the the tout quantity of of nitrate
land

Harvising Over.-From all quarters we
hear that the harvest is nearly over, that there never was beter harvesting weather, and that,
all things considered, crops
 ${ }^{\text {crop. }}$ It
 of corn. Abundance of c.rn can be had for
Stsp per ton, while hay teadily brings 830 per Th. farmer who has harns ample enough to
house all his stock, has the means at hand to
 on the roof if caught in cisterns, will water all
the stock the roof can comfortably shelter. A gentleman addicted to soientific inquiry


 cull of foul seed, shrunken grains, or several
varieties mixed, and it is one of the best evilences of high farming when all his
are put in the mains
grain ctean and pure.
Will are put in the market lean and pure. will
not tur real crs give this shbect a carefl
consideration, and see if it does not indicate a way for the ingprovenent of farmin

 succeed; but by the persevering fforts of the
farmer and his family in picking them off and
 Neio Era.



 Lonnc ontinued observations show that har-
hess and other leather exposed to the action of
 comes. weak and roten sooner than other
leather. Even when care is taken to protert
then with grease this theses place Pro.Artus
 ng such kind of leather,
it always
pliable and soft.
The Gran Ranis. Mich. Demorcrat agys:-
No one having lired in Western Miobivan a tuarter of a cen tury has failed to observe the
reat changs in the cimate of this re $e$ ion.
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## FARMER'S ADVOCATE



GRIGULTURAL
arass for may.
Fe.. ., in the
"crass obtions nearly all phere. trit is for this rimenon-
that natural pastures sustain left on the ground the richer it becomes
el the better the grovth; , hence the fer fility of the prairies; henee alsoo the rich poorest of land. And so our farms. may be be the more that is left the better for the each the ear of every farmer in the land and induce him to test the matter-that we have
grown and seen grown for many years in succession, good crops of timothy averaging two ons per acre, and varying but little from it, n land that was light and hat produced bu moderate crops, running out grass in a few
years, and this alone by leaving the after-
crowth; not a hoof was permitted to touch
"Heavier crops are realized from better and. The secret of this is the reproduction
orop, the aftermath. The growth re ained not only protects the roots of the grass, but it rots down and forms pabulum in
the spring for an early start and for further growth. This, lying on the ground, comes n direct contact with the roots, and there is
an immediate benefit. In some winters and ocalities the grass (aftermath) keeps green, and thus has a start in the spring, and ad-
vances at once, occupying the soil before the vances at once, occupying the soil before the
coming hot sen strikes it, and thns warding
off dronth" off dronth.
the peaci blow dos. peerlans potato. Shelbyville, Ky., April $99,1873$. Messrs. Edrrors.-I see an article un-
der the above caption in your issue of April 10, in which the writer chleavors t of other varieties. Of the peach bliow I have nothing to say in regard to their eating qual productive, liable to be affectel by fal Irouth, and the vinu subject to be eaten up by the potatoe bug before the tubers are
formed--on account of their late maturitywhile the early rose, russet and peerless ai our depquidence for a main crop in this local ity, more particularly the pecritess, whic be the opposite of what the Jowrnal of A!mricutture asserts. We have found the peerles productice, a hoor heeper, mill the year. Out of 1,000 bushels raised last year not one was found hollow. The sane is the experience of ay my neigh bors. For secd this spring they soll at $\$ 1$ to
$\$ 1.50$ per bushlel, while other varieties would not bring over 50 cents; and are consideren
ly all who have tried them as the coming potato. The writer in the Journal of Ayps
culture has cither never seen the peerles potato or soil and climate has much
their growth and cating qualities.

Yours truly,
[Here is thoroughly reliable evidence fu issuc on the subject of the peerless potato, variety the great general merits of which
are now all but estallished in so far as thi section
nal.

## 

Cong expreienca and close olservation han











My plan would be to ploggh and harrow
the land fine and mallow, then asturate the





 Which will make. buelwheat grow on poor

 it hie aly,y.vit wixit thill the evenging and tid a heary roller very arly in the
the soili s wet with dew. $E$ E.
to prevent clover growing too coarse. It is sometimes objected to clover that it where it is grown on strong ground, making
a large stalk. This can be remedied by sowa large stak. Thd thus getting a fine-stemmed crop, also shorter in length, the stalks vary
ing from fifteen to twenty five inches, accord ing to the quality of the land,
whether plaster has been used.
But the point is to sow thick-from ten to
twelve quarts per acre, evenly scattered on twelve quarts per acre, evenly scattered on
even, mellow soil, and brushed in if sown with spring grain. This forms a close
growth, and must be cut before it lodges much, and this is generally about the time
of flowering. Else, if lodged badly, and per of flowering. Else, if lodged bady, and per
mitted to remain so for some time, it will partially rot, and lose much of its value as a
feed. But harvested in good time and well cured, there will be no leterioration of the high value which this p .
anong our best dairymen.
Three tons per acre may thus be realized,
and, if the season is a good one, the amount hay be donbleas by two cuttings, and clover should always be cul twice, each time about
the blossoming period. We prefer the mediner-stemmed than the large kind, and less apt to lodge, and always permits of two cuttings. On poor land clover
may be grown successfully, improving thie
lauil But it may be raised on the richest of and with the most gratifying results, only get it chase so as to have it fine-stemmed, a
cut it in time.- Country Gentlemen.
working ilitd,
Working hard is not always working to the ard chopping woorl with a a dull axee or
humping water with a pump that "sucks mimping water with a pump that
air," but he is not working with conomy.-
inan sets pay, or oucht to get it, not fo " man gets, pay, or ought to get it, not
"working," but for what he accomplishes This is as true of the farmer as of his hired
nan, though we do not feel its force so full
$j$ in the one case as in the other. We do not like to pay a man for carrying one pail of
water when he might just as well carry two,
or for plowing or harrowing with one horse when he might just as weli drivethree. But armers themsenes often do things equaily
wasteful of time and labor. Do we never take a load to the city and come back empty,
and then go empty to the city to rring black and then go empty to the city to
a load, and this lose half our own and
hat of the teimn, and pay double toll into the bargain?

All analysts agree that oll, brack swamp
nuck contains just about the sanue ingredi ents as the solid excrements of horned cattle when hay or grass fed, except that the solu-
hue alkalics of the former - potash and soda out, white they remain in the latter. This
shows for swamp muck a considerable value since the addition of a little wood ash, very
little common salt, and a little lime to neu tralize its acility, all costing but a trifle,
make it almost the equivalent of manure


The Exhibition of the Royal Agricultural Society at Hull, England, is said by the
Magnet to have been of more than nsual in Hagnet to have been or more than usual in-
Terest.
The entries amounted to 1,145 ; of these 281 represented horses, 308 cattle, 365
sheep, and 191 pigs. The Short-Horn bulls heep, and 191 pigs. The short--Horn bull ang heifers were also good. The Herefords, Horns, were of the highest quality, among
hem five splendid Hereford cows. The Devons numbered thirty-one-a small numere a fair average as to quantity and something mo
made of
bition :

Worked ground, opens a couple of channels along the bottom, and drops the potato sets
and covers them over at one operation. The sets are deposited at tolerably even intervals, excepting when two small-sized potatoes oc-
casionally chance to fall in place of one set casionany chance coice, the rows will proba,
and hence, in practich be left open for a lad to correct by hand-
bly bly be le
basket."
The department of seeds and vegetables,
especially roots, is always an important one sapecialy roots, is a ways an important one
at the English Agricultural Exhibition, and the great contributors upon former occasions
were not absent upon the present one, their respective stands attracting as usual crowds of aumiring visitors. In this connection it
would be well for American farmers and yardeners to take a lesson from their Eng
lish brethren. Farm products should be one of the most important in the category of ex hibits at our State Fairs, and yet it is seldon that more than mere samples are ofres.
these not always of excellent quality.

Vagaries of the fotato disease
Notwithstanding the prevalent idea that
nature places things just in the exact places nature places things just in the exact places
where they are best fitted, it does not seen to be a truth always borne out by experience whether we regard the animal or vegetable
worlds. The writers on American weeds worlds. hat foreign varieties which come over
tell us that
here and contest the palm with our own hare and contest past paw with our own
native pests usually grow better than they
lo in their own country, and it seems to be true with our relatives when they go making
m Europan tour. There has, for instance an European tour. There has, for instance
been a discovery lately of an insect injurious been a discovery the grape vine, called the
to the roots of the grap
Phylueno, which is supposed to be one cause why some of our grapes do not do so
well. It does of our grapes. But this American has been
journeying across the ocean with our Catawjourneying across the ocean wiving the Eng
bas and Isabellas, and is gin lish, what our small boys call "Hail Colum-
bia." Wherever it sets its ittle feet th
grape vine is completely done for, grape vine is completely done for, and thei
is rising up in Euglant a prohibitory cry and is rising up in Euglinn at prohivitory cry
a "stanping out" agitation such as ma
the early history of the cattle plague.
The potato fungus is said to be of Americall
origin, but, bal as it has been with us, it has never been so serious a tronble as it has bee
foumin in British expericnce. There are acre of potatoes, one day in vigorons healhe whos,
will, within a few days, have the whe
field of stems blackened and filling the air with on odor of seething rottenness; and the
tubers are seized and decay as ravidly. tubers are seized and decay ans rapidily.
great is the damage done by the discase that it is becoming customary to plant much more
than will lee required in order to allow fo than will be required in order to allow for
the disease. The increased price of potatoes
in a short crop makes up for the lossi if there be any. A recent writer says that the usual
full crop of an English potato field is from says, has thimed out the crop terribly, but even though the final result. should be but an
average of two tons to the acre, there will yet be enough for the demand, if not, indee
potatoes to spare. potatoes to spare.
mange in swine.
Upon the first indication of mange in swion
wash the hog thoroughly with a strong sula of Castile soananand watur, and then apply an
ointinent male by adding to each pint of ointment made by adding to each pint of
hot lard, one ounce of carbolic acid, stiring
the whole until cool. Apriy this thoroughly Two or three applicatious will usually cure the subject.
beet sugar A company has been formed in the Town agar from the the purpar beet. of Seed has been purchased for thic factory Irealy mande have proveded highly exabeififacontrys
small farming
The Paw-Paw True Northerner says: As
n evidence of what may be done on a "Small n evidicnce of what may be done on a "Small ions of a small portion of the farm of prodiram
Jacobs, of Prospect Lake, may be of interest Jacobs, of Prospect Lake, may be of interest
to some of our readers. From three acres of raspberries he gathered and sold the
present dry season 3068 quarts, which sold
or $\$ 320$. From one-fourth of an acre of for $\$ 320$. From one-fourth of an acre o
strawberries he sold last year 912 quarts for
$\$ 100$. 100.35, and from the same plat he sold this has a plat of one-fourth of an acre of blackberries Which the severity of the last winter
killed. He makes the cultivation of small
fruits a speciality fruits a speciality, and will supply those i
want with cloice varieties of raspberries want with choice varieties of raspberries,
blackberries, strawberries and the choicest varieties of currants.

SALT FOR CUT WORMM.
A great deal of attention is attracted to the attacks of the cut worms. The late Isaac Newton, Commissioner of Agriculture said :- Take one part of common salt and
three parts of plaster or gypsum and apply when the plant first makes its appearance bout a tablespoonful around every corn hill It will be found a sure protection. The
mixture should not come into contact with the plants, as it may destroy them." This nethod has been tried over and over again
by some of our best farmers, and, when pro perly applied, has never failed. Nhen pron further said that he tried this in alternate ows, which completely proved its efficacy, greatly from the grub, not a plant in the other
rows were touched. Let it be tried, as ows were touched. Let it be tried, as
it can be so easily done by those who are about these days.

## utiluzing carcasses.

In answer to the question hotw is the best
Tay to dispose of deal animals, the Massa husetts Ploughman says: The most economCal way is to cover the carcass six or eight hes deep with muek, six months or mot $t$ is better to put it within sight of the house f possible, so that it may be watched a little
to keep the dogs and crows off. The muck - loam will absorb and retain the gases wich are given off in the process of a sumer, fork over the mass and throw out the nd another load of earth ; let it lie a month The bones can be broken up as much as practicable, put into a cask aud covered with
nshes, to be kept moistened from time to me till they are softencl. Every dead aninal is worth saving, and it is very porr
conomy to haul it off to one side of the farm and leave to haul it off to one dogs and the crows.
bone dest bricks.
An Australian paper, speaking of the vast
uantitics of bones that have been accumuating in Melbourne since the meat preserving occupations commen London, has on board
Miltiades, bound for a shipment of 100 tons of bone dust, pre-
pared for exportation in an altogether novel parel for exportation inich promises to come into extensive use. To facilitate the trade, an one-lust into half its original compass, reducing it at the same time into a form very
convenient for shipment. By means of strong pressure, the crushed bones are moulded into
cakes of six inches syunre and three inches cakes of six inches square and three inches
thick, something like tlooring tiles, each cake
weighing a little over 4 pounds. These:boneweckh, something altle over 4 pounds. Theseibone-
dust tiles are just adhesive enough to admit of their being handled freely-thrown about
like bricks, if necessary-and are yet so free, hike bricks, ir necessary - ast they yen so feadily
that when requirell for use the application of
be crushel, or melted by the
a little hot watter. little hot watcr. A ton weight of the
nanure measures 26 cubic feet, and contains in of the cakes.
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## FARMERS ADVOCATE

Cleantivg seed for sowing and market.
The idea that certain of the foul seed in Theat, as chess for instance, is produced by
degeneration in the chang into another may easily be settled by the employment of a good fan in cleaning \&yain
If absolutely clean sced be sown in soil cer the product will be like the som other see the product will be like the soed sown. One
of the great difificulties is that the soin is
constantly filled with the seets of weeds constantly filled with the seeds of weeds,
brought and retained there by varions natu ral agencies, some of them, like purslain,
chess, and other weeds of persistant vitaity, remaining for a loong time in the soit, untiti,
called into growth by favorable circum. called
stances.
We will give a single instance to illustrate
the point. The farmer cleans his seed thor the point. The farmer cleans his seed thor-
oughly, (perhaps goes, to the trouble to pick
it over), and sows it, and, notwithstanding this care, finds the crop, the seed of which he wiought fol weeds. The chaff or tatiling
from the faming mill were thrown tinto the barn yard to be mixed were thrown into manure, and the
been carted on the land and perhaps plowed been carted on the land and pernaps plowed
deeply under, to remain-a portion of it-in
the soil for years perhaps before it germinthe soil for years perhaps before it germin-
ates. Or birds may have eaten the secd, and a portion-undigested -has been scattered ol
the soil. These are but two of the more common ways in which foul seed is dissemi-
nated, but are striking enough to account for
their spread. their spreal.
As a rule th
Aas a rule those farmers who are the most careful in cleaning their seed grains and the
most thorough in their cultivation have the
fewest weeds to contend with, and such are the most fully compensated in the thend for of the spread of weeds is sowing directly from the threshing machine, for however ket purposes-and till there is no power ma chine that will clean seed in so thorough a manner as to fit it for sowing. This, how-
ever, may be accomplished by cleaning by the more modern fans, having sieves adapted
to the various sizes and shapes of seeds and perfectly controlled by the blast seeven
Witith the use of those we have often secured prices on account of the seed being perfectly
clean. One of the most difficult seeds to separate thoroughly it is necesssary to have. propor
tieves for separating these from the good grain, since the specitic gravity of these wheat. In the case of choss the peutiar
form of the seel, becing long like wheat and ye, renders it especially difticult of separa
tion. Mut with the modecn fans but ilttle
difficulty will be experiencel in thecir senna tion, and the aalue of the seed will be there y much enhancel. - Wrost orn Ruc
There are too many men who pat their all
in a single venture, and if that fails, are ut terly used up. There. is, prcharps, no husi
ness wherein " two strings to ones bow" are
soind so important as in farming. Other pursuits
have certain rules which liave been founter on experience, and which the shrewd max
of business can talee adivantage of with an
almost assured cortainty of success. But we cannot do this. We cannot tell what will
happen to our crops. Sometines it will be
over dry, sometimes over wet, sometimes we are plagued with swarms of insects, at other
times with llighthts and molld. Against none of these do we get the slightest hint.
Trouble never strikes everything alike. Some
will succeerl. But independent of aill this, the young farmer should not be cast down
by yisfortune. It is here where so many
fyin Wi city work some eight thousand dollars ; hi and hal always mate nu his mind to return to is anon as he had areumulated enoug
to warrant him iu making a start. But he put away two thousand dimlars, and investe:
only six in the farm and stock. It so
happened that the next two years found hin
and happened that the next two years found him
int terrible losses, but they brought experi
ence, and he feli bock oil his small reserve, and this, with his new experience, gave him
a new and a good start. He now consilers himew and worth aboutt. thenty-sive thonsand
dollars, and is one of the most ardent advo cates of the position that farming will pay.

- Germeatoron Telerraylh
canadiai produce in rnaland.
Mr. Potts, in an address at Mr. Potts, in an address at Macclesfield,
England, speakingof the resources of Canada,
showed that the showed that the United States frequently The apples of Canada now highly esteene in England, were there supposed to be the
produce of the United States. The follow ing, from an Eaglish journal, is an extract
from Mr. Potts' address :" There wh address
this country as a wrong impression abroad it productiveness
Canada, and he might tell them that, if th
Can Canadians had bought American produce an sent it over to England, the ipurchasing
people in this country would have had a different idea of the Canadians. But wha had Americans being doing? They had
simply been buying Canadian produce and
selling it in England as their own. A fev days ago he went with a gentleman through
St. John's Market, Liverpool, and they were
adminis admiring some "s stands", piled up. with with
apples. He asked the keeper of the "stand" what kind of apples he sold, and he replied
that they were American. He tnrned to his friend and said, "There is not an Amed to his
apple on the stand, as that gentleman under apple on the stand, as that gentleman under
stands America." They were nothing elss
thay than Canadian applos, and he ventured th
say that in Macclesfield at present there was
not not an American apple to be found, though
people imagined that they were all the while
eative peophe inagne apples. Perhaps it was
eating United States applat
not not gencrally known in England that the
Americans themselves had to get their apple from Canada. The climate of America was gherally so hot they could grow luscious apAmericans were obliged to c
dians for their winter stock.





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## FARMER'S ADVOCATH.

derp ver shallow plowing.
There is still a difference of opinion in this
country as to the policy of deep plowing. country as to the policy of deep plowing.
The shallow plowing advocates claim the arquisition to their ranks of men who have
long advocated deep plowing. We believe that the difference of opinion, and in the
results of experiments, is largely due to lack
of knowledge as to how and when and where resnits of experiments, is largely due to lack
of knowledge as to how and when and where
deep plowing should be performed. In Eng deep plowing should be performed. In Eng.
land a Mr. Evershed has been opposing
deeper cultivation of the soil. Mr. Mechi deeper coltivation of the soil. Mr. Mechi
thinks he is thereby doing much harm to the cause of agricultural progress, and insists tha
the present disturbance of soil is too shallow. the present distarbance of soil is too shallow
We copy Mr. Mechi's interesting article He says :-I say "soil" because in Nature it
comprises what we call soil and subsoil. The comprises what we call soil and subsoil. The
more proper definition would be "disturbed
What wedisturbed soil." Why plants or trees more proper deens soil." Why plants or trees
and undisturbe
prefer the upper and distubed soil is obvious. prefer the upper and distubed soil is obvious, then the plant or tree will multiply its fibers
of roots in that lower soil, especially as the surface becomes more heated and dry. have a striking proof of this in my backyard,
where there was once a piggery. If filled up
the space some six feet deep with ordinary where there was once a piggery. . clay soil,, and planted on it some ancubas,
laurels, bays, arbor vitmes and box, in order
to hide a stable wall. Although the plants to hide a stable wall. Although the plants and luxuriant that they are from ten to fif
teen feet high, and they absolutely wedge or teen feet high, and they ather aith a development which surprises, and also proves that if the lower
soil is both disturbed and amply manured a soil is both disturbed and amply manured a an immense vegetable growth. They have
found in the deeper soil the needful food in found in the deeper soil the needful food in
some droppings from the ancient piggery. As regards the removal or transplanting of fruit trees, it is only another proof of the necessity for more deeply disturbing and
manuring the soil. By removing them after
having exhausted their surface food, they hus go to a new supply and prosper accord if they had an ancient piggery or well man-
in the ured soil to feed on deep below the surface.
Said my bailiff to me this morning, "Do you know why these eablages don't grow as they
generrally do ?" I said "ANo." "Well," he generally
replied, plow with a second one going some inches
leeper. We were busy and conld not spar deeper. We were busy and conld not spare
the horses, and now the roots are on an un-
tilled bottom." thilled bottom."
The fact is, the plowmen are always too
glad to escape the subsoiling because it is harder work. The loss in crop by late and something fearful. The roots of crops soon
strike through the thin furrow slice strike through the thin furrow slice and come pale and sickly plants give evidence of their
uncomfortable and unprofitable condition. Many a mangel crop has failed to make its has been dried through. We never miss our plant of mangel because the soil is deepl
double or trench plowed before winter, an it thus holds and gives moisture as well being a good filter in wet weather
I attribute the general satisfactory appear
ance of all my crops to very deep cultiva tion, and I would make it much deep had I steam power, keeping, however, the
lower soil still under the older cultivated surface.
I consider it both a national misfortune and
disgrace that our general agricultural pie It ought to be as deep as our talents are high, and it is so in the case of Mr. Campbell, of Buscot, who, after draining four feet deep,
cultivates with thirty-horse power engines cultivates with thirty
thirty-six inches deep.
We are now about to manure and plow
our land for transplanting cabbages after green tares mowed off. After sprealing
twenty loals per acre of gool, rich shel manure (no rain on it ), two horses will be on the first plow, the second one, without its breast, following in the track of the first one, way to grow maximum crops. Draining, way to grow maximum crops. Draining,
where required, should precede deep culti-
vation. It should always be remembered that we cannot mature the subsoi forghe the the the
soil, for a few inches deep of the the power to arrest and fix a much larger
duantity of manurial elements (especially
ammonia, phosphate of lime and potash)
than is ever applied in ordinary farming.
This is why clover and other deep-rooted plants can only be grown at long intervals,
for only a very small portion of manurial elements can pass the surface eoil or escape eeing fixed by it. The raw and unaltered beneath the ep lowed land dives unmistakable
gitan confirmatory evidence of the fact stated.
Liebeg and Way explain the cause of this confirmat
Liebeg an
fixing.
It is,

It is, therefore, quite certain that if we
desire to manure the subsoil the manur nust be incorporated with the substil, or the

nusoil must be intermixed with the surface sil. The Rev. S. Smith, of Lois-Weedon ail. The Rev. S. smith, of Lois- Weedon, | $\begin{array}{l}\text { used to that } \\ \text { incorporaat } \\ \text { subsoil. }\end{array}$ |
| :--- |

to plow down grass. To do this effectually is one of the apparen
mpossibilities of modern farming. Every farmer knows it from experience. Notwith standing the utmost pains and care in plow
ing grass, especially if long, will bristle up in beards and tufts here, there and everywhere,
injuring alike the appearance of the field and its capacity for growth, for this grass, in-
stead of heing visibly stead on being visibly present to draw nou
ishment for itself and impede the growth o something else much more profitable, should
be buried beneath the surface to mature the be buried beneath the surface to mature the
soil and assist in the growth of its betters.
Well Well, do you wish to remedy this great diffi-
culty? If so, use the chain and ball to you culty? If so, use the chain and ball to you
plow. No matter what kind of a plow you have, try them. A piece of ordinary trace
chin will do very well. Fasten one end of it
to to your coulter, and to the other end attach
a round iron ball of from two to three pound weight, having the chain long enough to per
mit the ball to reach back to about the middl of your mold-board, and there let it drag a new idea-in fact, it is a very old one-but
like wine, age ouly improves tit. Just try
once and we have no fear of your verdict onee and we have no fear of your
may not do the work to absolute
but it will perform it but it will perform it at least fifty perfectio better ther.
Farmer

## -

We have much complaint about seed corn
this spring. Now, I take this occasion to
tell my fellow farmers how they may avoid


## The Government Agricuitural

prevention better than cure.
We attempt to prevent an injury being done to us farmers by the vast expenditure
of Government money against our inter-
ests. The Hon. D. Reesor, at the last meeting of the Farmers' Club at Markham, gave
some new information regarding the fit ting up of a vessel expressly for importing cattle by the Government. We give the accompanying illustration to show th


The second illustration shows the cattle all being driven across the lines for th
benefit of the Americans, or perhap rather for the dealer who imports them a our expense, and receives the American


The third cut represents the Gover
ment machine into which us farmers are tumbling or rather forced. We shall have a pretty good squeeze put on us to pay for
the impritation of cattle for the Ameri-

The annexed is the Government Hachnis
squeeziny the farmers to pay for the cat
Every real farmer jor the catlle. Every real farmer and every
inceder well knows that there is no necessity for the Government expending our money for stock. The breeders that have their capital in-
vested in stock can supply far more vested in stock can supply far more quired by our farmers ; in fact, by far the majority of our best hred cattle go to the stables and will go
there, and we have plenty left. there, and we have plenty left.-
They can be raised as fast as our farmers are prepared to take care
of them. This fancy breeding and these fancy prices áre connected with forced breeding such as will
not pay the majority of farmers.These extraordinary fancy prices
will not stand for ever. It is will not stand for ever. It is
another division of the race course speculation; it is a species of
sambling. gambling. Should the Govern-
ment use our money for such a purpose?
str angly whould not touch on this so that great draw-back on a good crop of corn,
our great Iowa staple. Select your best ears
informed but the Minister of Agriculture our great lowa stappe. Select your best ears informed us of the intentions of the Gov-
before they are injured by the frost. If the einment and we at once told him it was season is favorable it may be put off till not required; that it would tend more to
gathering time. Put it in a situation that injure than to benefit. Farmers, let the heat of a fire will strike it-hung about
a kitchen stove, on shelves or in the loft above leave it till the moisture of the cob
is entirely dried out. It may lay the is entirely dried out. It may lay then all
winter, or it may be shelled and put iu barrels or sacks and stored in any dry place,
and it will certainly grow; even if planted in and it will certainly grow; even if planted in
Narch it will lay quiet until it has a cance
to come up. I have never known it fail after a long experience. It is worth much to any
person who will try it.
whose property would be improved by the such improvements. The Toll Gates we should abolish. We have to pay double the price we have any Toll Gate houses and worse the Toll Gate speculators, whereas, by direct taxation the roads might be kept up at less xpense than at the present time.
There are many companies that receive equivaleut ; for instance, we were travel ling on the road between Chatham and Chating Cross, in the county of Kent, a distance of six miles, dring the summer, and a lot of large projecting stones were wheels of the vehicle, making it very unpleasant riding and very liable to break the vehicle. We went from this gravel
road to the common roads, which were road to the common roads, which were
much easier for man, beast and vehicle, and yet a toll was exacted on the gravel road. The reason of this road being so unusually bad is that the company being desirous to retain the toll, keep up repairs
in the following manner :-A lot of round stones about double the size of a man's fist were put on the road, making a thin layer; these were covered with clay or
soil from the roadside, and then a little fine gravel or screenings were thrown on fine gravel or screenings were thrown on
the top, and this they call a gravel road and collect toll for. Every one knows the large stones will come to the top, and the
small gravel lost in the mud, when the small gravel lost in the mud, when the
road can not be efficient.
$\qquad$
far from Toronto, that wis not much better. Some roads in Midilesex we have
seen much out of order, and tolls collected when they ousht not to be. We that receive toll and have improper roads, that re
and w.
ished.

If a roal is not in proper order, one or a few farmers may apply to their Reeve;
the county engineer may be called in and the road condenneed, when the road may be travelled free of toll. Farmers, get the toll roads condemned as soon as you
can, and apply for an act to enable you to can, and apply for an act to enable you to new gravel road, if you wish it, and let us pay the expense of keeping up the roads direct
toll gates.
$\qquad$
Herr Eckstein, of Vienna, strongly recom-
nends chloride of lime as the cheapest and mends chloride of lime as the cheapest and
best of all diseofectants. His exper.ments with various substances used for this purpose of sulphate of iron, dissolved in water and poured into a saucer, at first liberated solphur
retted hydrozen, and after twelve hours no onger produced, any fffect; a solution of sultivo pounds of crystals of green vitrol retained
its action for two dayss; a mixtureof sulphates of iron and copper and carbolic acid lasted two
days; sulphurvus acid was suffocating, and
prod produced a worse odor in the house than
bad gases that proceeded from the sewer.

In friction
The United States steanship Sarragoss, was
lately put upon the ways at Baltimore, supposed to neelo only now caulking and copper.
The caulkers got to work, and the seams beThe caukers got planks were dressed out preparatory
t) driving in the new oakum. One day the iron, subjected only to a feeble blow, wen
clear into the vessel. A closer inspection resulted, and it was discovered that for a diel,
tance of eizthty feet on each side of the kel.
and beneath that portion of the ship where the and beneath that portion of the ship where the
boilers rest, planks which eight years ago were boilers rest, planks which eight years ago were
three and one-half inches thick, were now three and one-half inches thick, were new
meree boards of one-half inch in thickness.
They were not worm eaten, and to all appearThey were not worm eaten, and to all appear-
ance were sund as when first spiked and
sole ance were sound as when first sphe. Be-
bolted to the huge skeleton of the ship.
neath the boilers of the Saragossa it was dis neeth the boilers of the Saragossa it was dis-
cavered that particles of coal had dropped from c.vered that particles of coal had dropped drees-
time to time, and the mere motion of the eve sel, as she rocked at sea, had shaken the pieces
of mineral from side toside on the planks, and
worn then to worn them to the

## etors of lands

 nproved by the d abolish. We ee we have any 11 Gate keepers,worse the Toll worse, the Toll
by direct taxaept up at less ies that receive ive no proper we were travel-
Chatham and unty of Kent, a ng the summer, g stones were
atact with the ing it very un-
iable to break om this gravel ls, which were
sst and vehicle on the gravel road being so keep up repairs - A lot of round ze of a man's
making a thin making a thin ad then a little a gravel road
y one knows the he top, and the
a Markham, not s not much betllesex we have
and tolls colot to be. We improper roads,
coll Gates aboler order, one or to their Reeve; the road may Farmers, get as soon as you pay his share of wish it, and let zeeping up the
and abolish the
strongly recom-
the cheapest and His exper.ments
for this purpose ed in water and ediberated sulphur-
lwelve hours no the same manner;
then vitrol retained xture of fuslphates suffocating, and
e house than the iction.
hip Sar gosss, was it Batcond copper.

king the seams bead out preparatory | zom. One day ti |
| :--- |
| feeble blow, | dhat for a disthe ship where the

ght years ago were ght thick, were $n$
inch in thicknes and to all appe of the ship. Be- Be -
of ossa it was dis-
and
Ihad droped from motion of the ves-
1 shaken the pieces on the planks, and
of boards used in

Sacipes.

Cut the pumpkin into small pieces. Take
put the seed and inside, but do not pare it It must be well grown and thoroughly ri pened, and not watery. Put the piecees in a
sauce pan, with only a few spoonfuls of wat sauce pan, with only a few spoonfuls of wate

- not more than four; cover close, and let it cook gently, so as not to scorch, until the
water has all evaporated, and the pumpkin has cooked quite dry, and of a rich, dark,
orange color. While hot sift it throg coarse sieve. Season only as much as you ar needing for the lay
For one large pie-one egs, one table-
spoonful of molasses, four tablespoonfuls of condensed milk, and enough new milk to make it as thin as you wish, or, if you have densed milk; sugar and spice to snite the taste. Bake till a cle


## Sister Ban few preserve.

$\qquad$

Model Poultry House. Nowadays barns cost as mnch as churches
used to, and poultry houses are sometine ased to, and poultry houses are sometimes
more roomy and better built than oldtime Wwelling houses. So much attention is given

munerative prices is so great, that comfort-
munerative prices is so great, that comfort-
mbe buildings for fowls can be afforded.
The elevation and The elevation and ground plan presented in by Mr. S. J. Bestor of Hartford, Ct. It it
21 ft. front and 32 ft . deep, and the upper 21 ft . front and 32 ft . deep, and the upper
story is a pigeon loft, every window of which
opens inward like a door, the opening being Covered with wire netting, 2 inch mesh. The whole of the building Is well ventilatesh. that we adishes I wiped muchem so that I could
washing idhem chance be regulated at will, admitting
have the chance of asking her how she made
wresh air to both stories. Pure water is also have the chance of asking her how she made
them. She said-take fair, sweet apples
fresh air to both stories. Pure water is also
supplied in ample quantity, as a stream runs with firm flesh, pare whem nicely, cut
them across the core them across the core
in slices the fourth
of an inch thick, of an inch thick,
remove the seed
but not the core but not the core, as
it improves the apit improves the ap-
pearance of the pre-
serve serve. Boil very
gently in a water until tender,
and then lift them carefully ou plates ber of lemons that you had fof apples,
cut them across th core in slicess the same thickness of the seelsts, and spreard the silices on earth
en platers. Take
pulverized loaf-sater pulverized loaf-sugar
the weight equal - the weight equal before boiling--sprin-
kle half of it over th kle half of it over the
lemon slices, let it lemon slices, let it
stand a few hours
till liquid enough has till liquid enough has
formed to cook them and put it overt ${ }^{2}$ the fire in a porcelain-lined
kettle with the rest of the sugar. When it boils drop in both lemon and apple slices, those who dislike the frut is clear. For of lemon peel, the apples can be used as above, substi-
tuting lemon juice for lemon slices, or the tuting lemon juice for lemon slices, or the
apples can be left whole if the cores are carefully cut out.

-tables covered at the top with zinc, and enewed every morning. The vigor and thrift of Mr. Bestor's poultry show the value
of cleanliness, pare air, water and good accommodations in general. [We procuredd this illnstration from the
Buffalo Live Stock Journal Company. Buffalo Live Stock Journal Company. None
of our Canadians, that we are aware of, have
as yet quite as expensive a house for their poultry, but many contemplate building poultry houses, and some have good ones now
erected. The plans adopted in these illustrations may be carried out advantageously with
out quite as expensive a building. We do out quite as expensive a building. We do
not doubt but that ere many years, Canada
will show a better one than this] will show a better one than this.]
destruction of crops by insects.
Horace Greeley, in his essay on " What I
Know about Farming," says :Know about Farming," says :-
per annum to the farmers of this country
from insects
doubtless be far below the mark. I Thenla
of fruit alone by the devastations of insects
of fruit alone by the devastations of insects
within a radins of fifty miles of this city
must
must anaunt in value to millions. In my
neighborhood the peach once ting
neighthorount in the palue to millions. In my
nlourishes no more, and cherries havished, but
teen all
flourishes no more, and cherries have been al
but annihilated. Appies were till lately our
most profitable. and perhaps oure till lately ou out
ant product, but the wort
very least, and the loss to the southern
cotton-growing States the present cotton-growing States the present year with
in a single fortnight by a single insect (th
cotton worm, cotton worm, Anomis Xylina) was lately estimated at twenty millions. There is not the
least donbt but that the damage inflicted by
insects on the farmer insects on the farmers of the United State
exceeds tenfold the united exceeds tenfold the united damages of al
other animals put together. It is rarely (i)
ever) ever) that entire crops are deastroyed by
evirds, rats or squirrels, yet we all know birds, rats or squirrels, yet we all know tha
a single minute insect-the Chinch-bug
often often so injures a crop of wheat that it is no worth the cutting. - From the Weskern
Plater

From our Australian
agricultural statistics of victoria yor
$1872-73$ abridgrd.
The agricultural statistios of Victoria for
the year ended March 31, $1873:-$ Land in Occupation, Enclosed and under Til
lige, 1873 . nd occupation, acres ,789,59 der tillage, acres 963,09
 crop. 1973. Wheat, 326,504 acra Barley... 21,251 Barley.. 21,251
Potatoes 38,517 Hay .....121,375 " There was a de crease in 1873 com 8 pared with 1872 of wheat, a decrea tho 50,439 acres in of oats, an increase 4,479 acres in tho barley, an increase of 547 acres in the po tatoes and an in crease of 18,169 in decrease But the crops was of these than made up by tho increases on by the increases on other
crops, particularly on crops, particularly on
the permanent artifi cial grasses, whic show an increas THE sun cholera mixture. it wa
More than forty years ago when it
found that prevention for the Asiatic cholera found that prevention for the Asiatic choreraa
wos easier than cure, the learned doctors of
both hemispheres dew was easier than cure, the earned doctors of
boh hemispheres drew pa p preccription which
was published (for working people) in the New
York York Nun. and took the name of "the Sun
Cholera M xture." Our cont-mporary nevir
 seen it in constant nse for nearly two score
Yeare, and found it to be the best remedy for loaseness of the bowels ever yet devised. It it
to be commended for several reasons. It is not to be commended for several reasons. It is not
to be mixed with liquor, and therefore will not
be used as an alcoholic beveragag.

Tinct opii, Capsici, Rhei co,<br>Meath pip Camphor. Mix the above in equal parts: dose, ten to

thinty drops. In plain terms, take equal parts
tincture of opium, red pepper, rhubarb, pep. permint and camphor, and mix mix them for use.
in case of twenty drops in three or four teaspoonfuls o
water.
fo in one who has this by him and takea it in time will ever have the cholera. We com
mend it to our Western friends and hope tha tene receipt will western friends and hope tha
whidy published.
when no
Eve when no cholera is anticipated, it is an excel
lent remedy for ordinary summer complaint.-
$J$ ournal of Comen

end of the passage, opening like a docr; H is is only when we begin to make careful comrom the passage to the rooms 1/ B. At F, puntry of the average annual loss to this able nests; Listairway.. The perches are at
D , The first cut represents one of the roosts $\begin{aligned} & \text { The state of Missouri alone loses annually } \\ & \text { from fifteen to twenty million dollary at the }\end{aligned}$
themselves of no less than 54,439 acres. Yiell of Wheat, Oats, Barley, Potatoes and Wheat.

| 1873. |
| :---: |
| $.5,341,104$ bushels. |
| $2,454,225$ |
| 44321 |
| 4 |


 $\left.\begin{aligned} & \text { are each } 24 \times 8 \mathrm{ft} \text { K } \mathrm{K} \text { are small doors in } \\ & \text { the base board for the exit of fowls when de- } \\ & \text { wholly from the field." } \\ & \text { The above estimate, great as it seems, is, I I }\end{aligned} \right\rvert\, \begin{aligned} & \text { Hence, while wheat fell off in its annual } \\ & \text { Here }\end{aligned}$
 ncreiss. . it its yield to the extent of 890,303
bushels. That was owing to the very busiels. That was owing to the very splen-
did season, not confined to Victoria, but ex perienced throughout all these colonies. So
with regard to oats. with regard to oats.
The average yicld of wheat this year was
16.5 bushels to the acre; of oats, 19.6 bushels to the acre ; of barley, 20.8 bushels to the acre; of potatoes, 3.5 tons to the acre $;$ and
of hay 1.3 tons to the acre. This, with the exception of potatoes and hay, is much above
the average of 1872 . - South Australian
Clironicle
$\qquad$
cure for ber stings
A correspondent of the Britigh Cardener's
Mayazine writes:-"On the 15th of April last a young man, employed near bees, had the mis
fortune of being
 dener's Mapazine for 1872 I recommended
him to apply the common soil to the wound, as
described by Mr. Gordon and it in describ-d by Mr. Gordon, and it immediately
relieved the pain and prevented the sweling.
Such a receipt is more valuable than gold to Such a receipt is more valuable than gold to
all who have anthing to do with bees.
formerly
common used conymon bluen preferable." for bee stings, but
（Gurden，Orclatad \＆forest
treatment of the tomato plant． This delicious，delicately aceil，evoling，
healthful，and now almost indispensalle fruit， whose hysienic qualities have been tested by
the hnman system（that most perfect of the human system（that most perfect of
boratories），
is，by che careful culture，beiin
 unsightly，spongy，seedy，ill－flavored tom
toos，the desirabie qualitics of earriness productiveness，size，solidity，pancity of seell evenness of ofrr，richness of
beanty of color may be securcel．

The advantages of pruning have been
questioned，but our tomatoes grow best when Well pruned．Cut out all suckers and non bearing branches．Let in light，air，anh
sunshine．Most of the fruit grows on the sansine．Nost one the est and there will be
lower parts of the vine
no loss by shortening them；for nutrition $\underset{\substack{\text { will } \\ \text { fibre } \\ \text { t．}}}{\substack{\text { mer }}}$ Supp
It is sometimes thought well，in graven other refuse material，or by training，whic may be done by setting poles twelve feet Attach wires to them horizontally．Thns
the fruit is exposed to the free action of sul the fruit
and air．

## pruning evergrems．

The Countryy Gontlem ch says no evergree
appears well when shearect smooth like wall，and that it much prefers an uneven sur
face．It is also true that to to cultivate tase．all unnatural shapes of cererzeeen trees are not pleasing．It is $q$ quito passibe，with
some evergreens，to so pruue that the top of the tree shall be a ball resting on the apex of pyramid，ankl this on a square
lase，out we do not know why any or
bhould wat such tree

Itis statel that by a careful analysisis it has
been found that apples contain as larger amount of phospherous，or brain food，than
any other fruit or reestable cont，they are very important to sedentary
men，who work their braius rather than thei muscles．They also contain the acils which
 gish，to eliminiate effete matter which，if re re
tained in the system，produces inact on
 causing jaundice，slecpiusss，seurry an
troublesome disease of the skin．
hocse rlants in winter． Jas．Vick says the temperature for house
plantshonold not te above sixty－fire in the the day time or forty at night．The lente
should be sprinkled every morning，and the should be covered when sweeping or lusting
The main thing is even templerature，moist atmosphere，and freedon from dust．For
the green fly or aphlis，wasll frofucutly with soap．suds and oceasionally with tonneco
juice．The red spider：shows the nt monsilhere
 plants，and atiterwart
Ieaves well moistelucd．
 Dr．Elis drew our attention to a large syeat
more tree，deceayel to the core． ＂That fine tric＂

| $a$, single wornn． |
| :---: |
| In answer to |


 trunk．It then caryght the eye of a naturai
 tree，＂This seened improlahile，but it was
 coverel that tho wonn hal tuunelled hiid
way a consilieralle distunce under the baik
 hole made by the worm might be seen in the
very heart of the once noble tree．

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

 nil they can bey manples sopipen in the antumn， in a box with sand，and in some，latitudes
kept until the following spring because the Lept untir the folowing spring because the
very seree winers of the onth might in－
jure the vitality of the seeds and the secdings will come forwarl more rapinly

 le sown dirrectly．The seens of the the rel and
silerer maple ripen in June，aund as they do not improve by age，it is better to sow them
as soou as they are ripe．They germinate very quickly，and if sown in a light but fer－
tie soil wiil frequently grow from two Hree feet ligh in in one seasson．
 em mixed with dry sand and kept in a con place until spring when they can be sown
in drinls and lightity covereed with some fri ble soil．
The Lim．－This tree eripens its seeds arly
n June，and they can either be sown directy or preservel in moist sand in a cool place． They are very light and delicate in structure，
 will sprout in in f few days，and make a rapid
growth the first season． The Asth－These sedsripen in the antumn，
and can be sown directly in a rather moist nudic can be sown directy in ar rather moist
soil，and inout an inch in depth．They yrow
most easily and ean be preserved for months most easily and
n n noist sand．
 they are sown in the antumn the field mice may destroy them；so it is better to mix
them with sand in a $a$ box and bury them in the ground，and in the early springsow them
ind drills．If allowed to become dry they will ot sprout．

 Then plant them either in the ground or mix
thean witisoin anct keep them in tho in the
then nsily as clestntuts if not permitted to dry ur
 lanted in the antumn，or preservel in sand The buttonwond

 secis in the anturin，which should lee sown
at that time．The seels of the catalyan anid
 In transplanting forsst trees one must
in
with carre to to eisure siccocss．
The
 In digging up a rree always turn the side
of the spade to the stem of the tree，and








 Pine seceds can be plamtelt
in the autum in the autumu，and in thit
ply a good sizell grove．

There are many sandy，barren wastes
throghout New England and the Middle
States whid Widn states which would grow pines to great a al
vantage，and prove very remunerative to
their
 planted several bushels of white pine cones
some fitteen vears ano，on the sandiest barren
that the lankss of the connecticut River can
 eighteen feet high，，and their stems as larg The fall is the best time for trangplanting
all trees．Commence the work ass soon all trees．Commence the work as soon as
their leaves fall，and they will have time to become nsed the
ground freezes．
In November and December you can more trecs from thirty to forty feet high，by dig
ging aboutt them，and allowing the ball of保 to the desiin
Genulemun．

## how to get an orchari

Ater selecting the ground for an orelhard
go to ororn ant dig nat haul 1 all the stone
and stumps from it and stumps from it．Plough deep and leve
the land off，and you are rendy for the fence
vit
 the gnte or biars，and suffer no cattle to enter
the en elossur，only for the purpose of labor．
This fence built，you will
 again，and harrow and work in manare $t$ to
your liking．＇Sow your ground and seet

 aun be careful and and not trank any ot the
roots，for they have none to part with
Whe roots，far they have none to part with．
When set they want to be so near eacil
other that they wiil shade the ground well When it is nce cessary sto cut limbs，cut thenh
when small．Lee the lower limbs be so high
 you prune，be careful and let no two limbs
in the top chane each other ；cut off one ot
the min top chate eanch other
the two．－Presecotit Triunue．

 they may le kept moist，and in that con
dition silijectelt to feruuent freezings and leaves，straw，or other litter be stre wo tever them instaal of dirt，they will be
to lo pe prcserved in a moist state．

the gject in exposing them to the frost he







 truiches．



1 Wint．Phinem pown
prusing injured trers and vines． Mr．M．B．Batehan，in the Northerr Ohio ge lone to fruit during the winter and the Wopriety of subsequant pruning，says
What and
munch greater amount of han we at frrst supposed，done to fruit trees年d the grape vines by the freczing（or many peach and cherry trees are entirely
kille，and still more will have to be cut is to let the there列 thle extent of the a momath or two longer， clearly sen．We have known peach trees
to recover when they scemel almost hope－ lessly ruined．All the rearieties of grapes in
Uis region are injured somewhat the Con Uis reion are injured some ewhat，the Con－ all of the season＇s＇s crop，according to the ex－ tent of the killiny of thlo bund and young
wood．Where these are a good deal injurel
 cutting out a good share of the thats woon， out nearest the ground，and shortening these Co a foot or two in length，or even less if the
buils seem mostly deadt．Then after the new Jhoots have comeo out in June any remaining
lead wool can be cut uwy

Prof．Holmes，of Michigan，on the＂yel－
ows＂
on peach t trecs，made a very lengthy
 all the peach growing sections of the States， ing the presence of the disease at certain hat the dreal disease has not been on the
 naturally th the fact that the trees plantea， My and bore heavily uutil they exhausted ot the tree，hence it hall to succumb，after a hort，fruttrup period．There seems but little the peach trees in the older districts is at－ tributable to this cause primarily，while
actual disease may have followell．

$$
\mathrm{a} \text { vessel made of suit }
$$

how to wattra a garbex．
Get a vesel made of suitable size，or take
water tight barrel and put it on a p piatitornn ix fect or more high，and at the boutum of
his affix a common this afixx a common Hacet．Now procere
rubber hose long enough for the parppose，and de one eld of the lhose have a fine syray noz－
dhat can be taken off or put on．At the ther end have a burr with a thread cut to
it one that must l le cat on the fancet．Now you are reanly．Fill your vessel with water he sun all day．In the evcoing fasten on ants．Evcning is the proper time to do the
 puld when it is mixed with the water it may
pe eppliel witlonts further troulle．Iron seraps may be left in the versect all the tic time
Che cost will be but a trille which it will reilly repray in one season．
The shicler of at inher lot on the farm of


 seo heth extend，but this experimenh whon
sow it to be several tines sas far as the






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sut for stra wrbrrires
 dresing 1 find on mannoring the grownd






 nor chioico ogetables will thrive in a very
pooor soil or with indit ferent culture.








Exchish ivy.

The uss of English ivese for the purpose of
tecorating living romens is mo leorating linus. Toment is more oxtensive





 would rather have an unlimitited number of
them to draw upon than anything else in na ture or art.


 thaint of English ivy, the longer the better;
then train the plantsorer the top, against the Sides, indeed any way your fancy dictates. pots the flower dealers will a drisise; common glazed ones will answer every purpose, for,
by placing in each two or three sprays of
Coliseum Coliseum ivy, in a month's time no vestige of
the pot itself can be discorned through their thick screen.
The English
The English ivy growing over the walls of
a building instcul of promoting dampness,
as most persons would suppose, is said to be a most persons would suppose, is said to be
a remiedy for it, and it it mentioned as a fact
that in a certain ren that in a certain room where damp had pre-
vailed for a lensth of time the affected parts
inside had lecome dry when ivy hall grown inside had become dry when ivy hald grown
up to cover the opposite exterior side. The close overhanging pendent leaves prevent the
fain or moisture from perietrating to the wall.
Bin Beauty and utility in this case go hand in
hand.-Jounal of Morticulture.

Experience has satisfied us that fressh saw
dust, shavings, tan lark, and the like, are hot gow or thrown into piles with manure and turned over once or twice until decomposed
they answer well for working into the soil to loosen it up and make it more friable. Lime
scattered through it sweetens it. The great
objection to such is it lays too close to the
 enough to hide it from the sun. Care must ive taken not to put on too much, especially
where snow is liable to drift, as the phants
may be "smothered" out. In such locations it is well to throw on some coarse brush over
the mnulching, to prevent the snow laying too
close and heaving and as soou as spring opens take off the brush and stir up the
mulch a tritle.-Fruit $R$ ecorde.

A Lady's Exprrience with roses.
Last spring I procured a box $12 \times 18$ inches
and three inches deep, and filled it nearly to
the top with clean paving sand, into which and three inches deep, and filled it nearly to
the top with clean paving sand, into which I
placed cutting from my neighbor's best
stock, about fifteen in number. These were stock, about fifteen in number. These were
all quite young shoots, three to five inches
long. The box was kept all through the
summer in the most exposed position in the garder, and was filled everery position in the
water, which kept the sand thoroughly wet. Excepting in two two cand
they all lived nicely, and by the setting in of they all lived nicely, and by the setting in of
fall had roots two or more inches in
I then pote I then potted them off singly, in sand, loam,
and manure mixed in three-inch pots. On
the the approach of winter the pots were in
mersed tothe tops in and and covered over
with brush, over which with brush, over which I placed a layer of
leaves and fresh horse manure. Three weeks ago they were all exhumed, and only two of
the pots found to be broken by frost, whilst all the plants were green (excepting the ab-
sence of leaves) as the day they were buried. Upe of lhis timese they have theen were buried in a
window fronting south, and not one of them contains less than fifty leaves, and have a
fair prospect of budding within fair prospect of budding within a fortnight.
I have learned more from an experience like the above than I have gained in poring
over a learned treatise. If over a learned treatise. If any beginner can
be benefitted by it, he or she is doubly wel
come.-N orth Hestern Farmer.

## effects of tar on frutt trers.

I wish to state a curious effect of tar upon
fruit trees which came under my ol servation this year, wad I hope it may prove a warning
to all your readers who may think of paint ing trces to prevent hares or rabbits from barking them, or for any other purpose.
These trees were painted from the ground upward, one or two feet; and almost every tree-apple, pear, peach, quince and all
ceased to grow painted, while that part of
the body to grow, axpand, the paint thrive, portion contitinucc
to nothing happened-bark had happened-bark, branches and leaves ali
looking very thrifty. A few of the trees looking very thrifty. A few of the tree
died suddenly while in full leaf; the others are now fine-looking above, but the body,
where the tar corered it, looks as though it
had a laced where the tar covered it, looks as though
had a laced jacket of iron around it for one
year and is a half inch or more less in dial year and is a half inch or more less in diame.
ter. I think the whole orchard will finally ter.
die; for some of the trees, from weakness of
the stem the; for some of below and trees, frowng weight ahove,
are toppling over. Does this not show that are toppling over. Does this not show that
the entire lark of a tree as well as the leaf is an organ of respiration ? I shall contimue my
observations, and give you the result. $-N$.
$J$. J. Wilson, in Southern Farm Home.

Messrs. Briggs \& Brobs., in thcir catalogue,
have the following upon tulip culture. The Hrazern Rural would not advise the removal
of tulins as thee directed uuless the space be especially wanted for other bloomers, since
they are muct fner if allowed to They need not be often necthan once in three or four years. It
of better that the bed be covered with mulch is better that the bed be covered with mulch
during the winter months to prevent deep freezing of the ground:
The tulip has long held sway as queen of the bulbous flowers, and for generations has
been emphatically the chief "florist's tlower" been empulbs. Its gorgeousness in colors is
amoag bult could be desired lyy the most fastidi
all that ous, and by its bold, brilliant appearance it
recommends itself to all planted in beds or glasses, the effect is most striking, unique
and complete, and cannat fail whal so treat-
cd to ed to give the most entire satissaction. The
tulip is by far the most easily grown and satisfactory of all brubs, and as it does
not deteriorate, a goorl stock will last for not deteriorate, a yoon stock will last
years. The thilip will suceeed in almost any
good soil; still it should be borne in mind that not only the tulip, but alploulls, will sutceed best in bright rich soil. Nant them
three inches teep and six inches apart, and if convenient mulch the bed with coarse ma-
nure, etc, iuring winter -the effect when in
hloom will be much higher. When the plants are throughly blooming they may, if de
sired, be carcully lifted and re panted
stech thickly together in any convenient spot in
the garlen, where they may remain until
again wanted in tle coll again wanted in the fall, and the bed from
whence they were removed loc used with
summer tlowering plants. Some pectpe prefer, when the foliage begins to lessen, to take
them u p, dry them and keep them in the
house until they are asain wanted.
manfastria pie plast.





 Ne have plants now standing ten years, di-
vided in the above mander, (when they get
too large) and each year (win too large) and each year produce a good crop.
The ground cannot be too rich, but must not
be wet, or the plants die ont," Mr. Sitol -












sumer tis orechings.








 growing saracer each steceessive year:


















## Correspondente.

 Suisicet: : Canada thistles. John Ray,
Thine
The


 tuas orerun with the pests. Lived hiod now that










 igight
 Elias Mot ngreed with Mr. Ray. Thinkg
 Tor nex hast methole to a summer fallow
or dustrow


俍 Migh way moro than from the farme.
maid.





 Letion hy the cliul before tho Conucil wasa The Clush helida n pie. yid in She Cuit held a pio. nie in the grovo of H .



$\qquad$
 Site In tho hat namal report of the
 "Onai in now beforto Pariament to rogulate





[This essay on Canada thistles was award-
the premium from the Farmers' Advocati by the committee appointed for the purpose. in a future number. The writer of this sssay
will pease correspor with will please correspond with us.]
how to destroy the cinida thistle. Mr. Edror, -Having always lived in a
commmity infested with the Canada thistle, and haring witnessed with much interest at
multiplicity of experiments laving for their object the extermination of this pestiferou
plant, I proceed to offer you the result of $m$
observations. It must be extremely irritat-
ing to those who make laborious efforts to
rid rid themselves of thise pest to witness the
carelessness of his less thoughtful or indolent neighbor in letting them propagate seed for
the multiplying of the species. It will be the multiplying of the species. It will be
impossible for the careful farmer to rid himmpossible for the careful farmor to rid him
self of them until the law for the "Preven-
sion of the Spread tion of them until the law for the "Preven
vigorously enforced. the Canada Thistle" is vigorously enforced.
There are several methods of destroying exist to a very linited practicable where they of which is, and, perhaps, as effectual, the
following:-CCut the root about six inches
int following:-Cut the root about six inches
into the ground and apply salt to it. This
will, no doubt, kill them, but, as I before intimated, it is inpracticable where they ex ist to any great extent. The cheapest an
only method of banishing them from the soil where they exist in wholesale quantities,
if the term may be used, is summer fallow,
in if the term may be used, is summer fallow
ing. Immediately after harvest "skim".
plow the ground, repeatiug the operation plow the ground, repeating the operation in plow deep. This will suffice until frost set
in. The succeeding season plow before the thistles show themselves above ground, and
repeat the operation several times during the season, not allowing the plant to appear
above ground. The gromid may, when the weather is warm and the growth consequently rapid, need plowing once in two weeks. By
this system not only are the roots of the old plants killed, but any seed which may be in the ground will, by the frequent pulveriza-
tion of the ground, germinate, and will also
be destroyed before they hate terial progress. I have seen this systen tried, and can therefore with confilence
testify to its efficacy. The principle upon
which it depends is that plants in orter ive must lavends air and be exposed to the acin earth, air and water as they are but must undergo a digestive process sime bila to the the
food which we ourselves take into our bolies before it can nourish the plant, and this diwithout the action of the sun. It is as in.
possible for the root to live a year without the stem and leaves as it is for the stem and
leaves to live without the root, as neither can by any possible means, obtain pro- pro-
per nourishment alone, and must, there tore perish. Of course there is a wise and
beneticent, provision in the " Gol
Gol Nature's" law by which the roots of biemiels
may live through winter in a hybernating manner sinilar to the bear, but could no mon
live through the summer without food than the bear.
I am aw inject to the system becanse they have tried not been in the system but in themselves, in not properly carrying it out. Others may
say it is too expensive to them. I put the question:-Is it not more expensive to go on year after yearr raising crops of half grain
and the other half thistles than to take one
year to the thorough eradication of them from year to the
the soil.
The Greatest qattle sale of the
orid.
Good reater, did you ever purchass. No doubt many of you have purchased and
owned fine creamers which youn valued ver
 very fine stock for fairy and breeding purposes,
but we do not felieve that ainy of our triends
ever before heard of A cow for which this sum was paid was it
clu ted in Senat , Samnell Cmphells herid
pure bred Short Horns, which was soid public anction at New York Mills, two miles,
fr un Utita, reetntly. Senator Camplell's
prize cow is known as THE STH DUCHESS OF GENEVA.
It is a beantiful creature, red and white,
 the winvea of this phize was T. Davis, of Gloncestershire, Eaglanl, one
of the three fanuous English stock breeders and
fancers fanciers, who were present at Senator Campbell's great same.
the obibect of the purchase What this breed contains, and which Senator
Whanpbell was fortunate in
chase Campbell was fortuate in being alle to por-
chase a few years ago for a price of about
sin,000. We are informed that Lord Skelmers-
dale and Messrs. Davis and Berwick were
determined that the determined that. the 8th Duchesso of Geneva
must go back to England at all hazards, and
that
money was no object
on prevent the carrying out of this plan. The
Engrishmen hat powerful competitors in the
persons of a number of CELEBRATRD KENTUCKY beerderss, who " saw" their $\$ 1,000, \$ 2,00$ and $\$ 3,000$
bids and called them at the rate of $\$, 5000$ abid
ach time each time. The Kentuckianus desirird this oco
Cas much as the Englishmen, but John Bull's pergistency as and wellishmen, but follid bags of ovorereigns
carried away the prize. It was a most exciting carried a
contest,
the greatest ever ${ }^{\circ}$ Known and it is not surprising that the exclamation-
" $\$ 0,000$ for one cow"-was heard in the streets at alm
and evening.

## to witness thi the attendance

 co witness this sale was exceedingly large. Thecurious from Utica flocked thither, and toge-
ther with buyers from England and far-off sec her with buyers from England and far-off sec-
tions of our land, mate an assemblage which
must finally hive numbered fully 1,500 . a Grand feast served in right royal style, about noon, pat the
zatheriny in the best state of after-dinner sadis
faction, and sent similes rippling all over their
fat faces.
$t$ the opening was a novel one. The Stnator
had arranged everything possible which could
hd to the comfort yuests. A miniature grand stand was orected the the south end of the enclosure in which the
faverites were to be exhibited. On the north
ide was a private box for the Senator's own side was a private box for the Senator's own
uve. In the qrand stand were several of the with a number of lady guests. All the ladies seemed as mucth interers ed as. Athe gentlemen,
snd they were profuse in their compliments to
THE BEAUTIFuL creatures,"

Wich were worth about their weight in gold. Cnglish hentlemen mentioned abrve, and Allex.
 in the centre
IN Thes.
 cayusa county, N. Ye., understands every hoint
Hora breedtr
in cattle and is a shrewd jude eo
 antine from sil, sonp to 85,000 at a time, and did tile high figures Which individual sales hirought. Miss Middy
Morgan, th's celectrated lady stock reporter, sit this feet tiking not tes and eating grapes. This
attle were led in by their keepors frou the hindsome and comfortable barns iu whic h they
have been cared for as tenderly as the most have been cared for as en
darling clild in the country.
the lohd's col
 January
dale.
 huchess of (neida, red and white; calved
Ariil $7,187 \%$, (which makes it but tive month Ald); EOt by 3rd Duke of Ontida.
wide. Cr THE M.ank. A funny story is told in connection with
this calf. A bitcher who has be-n buying
calves for the lovers of veal in Utia at sut, $\$ t$
aud $\$ 3$ per head got his eye on this sut and $\$ 3$ per head got his eye on this plump,
sleek creature without beiny told its value
Siuk Supp cosing it would be sold with the beef cattule,
he called upon Senator Caundell and said h he called upon Selator Campleell and said h
liked the eo 1 ks of this calf, and ww wis willing
pay a good price for it. Would the Senatir bay a food price for it. Would the senatir
sive it to him for $\$ 12$. The senator smile a
he offer but suid nothing. That butcher wa at the sale yesterday, ant he was which followed its itt mother was valued by a
Canajoharie butcluer at twelve shillings whe he first saw it. When it was bid off it $\$ 1,30$
this verlant butcher opened his eyes, put tw extra turns of his shoe-string around his calf-
skin wallet and st plet back from the ring. skin wallet and st phee tack from the ring.
We tuote a few of the prices:-
Sth 1huchess of Geneva red snd white; calve

 Norfolk, Dachess 3isd
1ith by Second Hubback, Ductevesere 1 tht by by the
Earl, Duchess 4 th by Ketton 2nd, Duchess 1st
by Comet, Duchess by Favorite by Daisy Bull
by Favorite, by Hubback, by
 10th Duchess of Geneva, roan; calved May
15, 1867 , got by 2nd Duke of Geneva; dam 5 th Duchess of Geneva, by Grand Duke of Oxford.
M. Berwick, Encland $\$ 35$ D
 December 15, 1869; got by 10th Duke of Thorn-
dali; dam 8th Duchess of Geneva b 3 rd Lord
Oxford. Lord Skelmersdale, England, $\$ i, 000$

 White Empress, white; calved December 6,
1871; got by Royal Briton; dam Empress of
Accomb by Lord Blithe. Simon Beattie, $81,003 \mathrm{~J}$.
4therhess of Oneida, red; calved January 18, 1.87; ;ot by 4th Duke of Geneva; dam 13th
Duchess of Thorndale by 10 Duke of Thorn-
dale. E. J. Bedford and Thomas McGibbons,


 16 th Duchess of Geneva by 2nd Duke of Ge eva.
Mr. Berwick slo.oon
10th Duchess of Oneida, red and white: calved A rril 7, 18773 got got hy 3rd Duke of Oneida; dam
8th Duchess of Genea by 3rd Lord Oxford.

In Barbary pacing horses are held in such spirited trotter shuckle like a boat in a chop sea i. reduced to a science. To make him rack
easily a sing of lead covered with leather is put around each hoof, a cord from each weight as-
cends and is fastened to the saddel from the
rear next a strap runs horizontal'y from the cends and is astened to the saddele, from the
rear next a strap runs horizontaly from the
fore to the hind foot on both sides. Being-
rather short it is impossible to make a long Triter short it is impossible to make a long
step. Restraint compels the animal to adopt a
new gait to progress at all. As soon as a prac new yait to progress at all. As soon as a prac-
tice is established of ing ahead thus tethered
the desirable amble is fully and permanently tice is establisted of $\begin{aligned} & \text { the desirable amble ig } \\ & \text { thell } \\ & \text { accomplished.-Spirit. }\end{aligned}$
importation of bees.

Another modern improvement in apiculture bees. Bees, like larger stock. deteriorate by
in-and-in breeding, and may be improved by
in cros.es. There are inferior and superior breeds of bees, just as there are of poultry, swinc,
sheep, , attle and horsses. For a few years past
Italian bees have heen ard Italian bees have heen lare ly imported, and
though it may seem an extravagant thing to
rive five or ten dollars for a queen bee -a little insect onty about an inch longen bee it a is no mottle
inser ond
 greatly improved common black bees, by siving
them a dash of fresh blo ad, as stick-breeders them a dash of fresh blox, as stick-breeders
would express it, and by imparting to them de-
sirable qualities. The Italians are a hardier sirable qualities. The Italians are a hardier
race; "busier than the little buss bee "we
have known from childhood; more prolific, have known from childhood, more prolific,
mor. beautiful in appearanee, and less inclined
to sting.-American Bee Journal.

Light as a Curative Agent.-The state-
ment has been made that Sir James Wylie, ment has been made that Sir James Wylie,
late physi ian to to Ee Emperor of Russsia, hav-
ing attentively studied the effects of light as ing attentively, studied the effects of light as
a curative agent, in the hospital of St. Peters-
and
discovered that the number of patients who were cure lin rooms !roperly lighted, was four times those confined in dark rooms, hspis
led toa complete effrm in lishting the hopi-
tals of Russia, and with the most beneficial ins
it was univereall found that the greatest num. ber of deaths took place in narrow streets, and
Qia the sides of those having a northern exoosure, where the salutary beams of the sun
pose excluded. The inhabitants of Southern
The Slupes of mountains are better developed and
more healthy thain those who live on the nor
hern sides while those who dwell in soclude thern sides, while those who dwell in secluded
valleys are senerally subject to peculiar diseases valleys are yenerally subject to peculiar diseases
and deformities of person, these different re-
sulls being attributed to the agency of light.
--The value of printod books exported as $£ 471,633$; in the like period last year as $\mathrm{E} 442,755$.
-A baly was found in a railroad depot in
 hsanity." Mr. Dane was summoned by telearty, hinving lecen stoclon from his honse a turned to the maternal arms of the sorrownurned to the 1
ing Mrs. Dane.

## FARMER'S AUVOCATE

$\left\lvert\, \begin{aligned} & \text { I don't give John's full name as I k know he } \\ & \text { will get hauled over the coals rather roughly }\end{aligned}\right.$ Inl get hauled over the coals rather roughly
by my correspondents, to whom I hand him over. Let me hear your opinions of this
man. The idea, indeed! Obey!

Riverside Farm, Sept. 13th, 1873. Dear Minnie May, - Many thanks for the
good things which I always find in your colgood things which always tind in your col-
umn. Let me do my share towards helping
it along. Here is a good recipe for waterproofing boots and shors. Before applying, warm the boots a little bur take care not to hold them too near the
fire. Melt together half a pint of boiled linseed oil, two ounces of suet, half an ounce I always look at Minmie May's Depar ment first thing when the Abractre comes
home. Christmas is coming, an!, Oh dear ! home. Christmas is coming, ant, oh dear
it is so hard to decide what to make for
everybody for Christmas prescnts. I have no great purse of money to spare, you know,
so 1 must make up the most of my presents o must make up the most of my present.
myself. Now, Minnie, like a dear, kind creature, help me; give me some ideas.
Your loving friend,

Sombra, Sept., 1873.
Dear Minnie May, -1 appreciate the good and much wish to help you. I have four girls growing up and make them read your
letters every month. Jane will send you ome recipes next month. We have just got
hrough with our preserving, and if $I$ had thought of it in time, I would have sent you
a description of my way of doing such work. a description of my
Here is my way of
pickling green tomatoes.
Cut the tomatoes in slices and scald them
in weak salted water. Drain, and lay them in a jar, sprinkling each layer with sugar and a triffe of ground mustard and cloves. Scald sufficient vinegar to cover them, and pour it
over while hot. Atter eight or ten days
drain off the vinegar and reject it. Scald drain off the vinegar and reject it. Scald
fresh supply and pour over them hot. horse radish is available add a few pieces,
first washing thoroughly and splitting through If eentre.
If you are ever down our way give us a
call, and you may be sure of a hearty welur well-wisher,
Harrier E. Cuise.
Willowdell, Ang. 31st, 1873. My Dear Minnie May, -I an so glad that
you have a coluan in the Advocate. krow you are a good housekeeper and a good
wife, and I want to be both. I am always on the look out for something to please my
hushand withe and your recines have alway husband with, and your recipes have always
turned out well with me. James is not hard to please, but I always know when he is extra well pleased. Here is something he
likes :
potato bread.
Take six good-sized potatoes, boil and mash
very fine. Add three pints boiling water.-very fine. Act ill it makes a stiff water. When lukewarm, add your yeast and set in
moderately warm place. In the morning moderately warm place. In the morning
knead in flour and salt as stiff as you can.Set in a warm place to rise; knead again,
adding as little flour as possible. raise again and then put it into your pans,
making them half full. When the looves making them half
have risen to the t
to a good brown.
Now, dear Minnie, go on with your good
work, and we will all help you.
I am your loving friend,
Here is from one of Mr. Weld's corres
pondents : pondents
"Aunt Minnie wishes to know how to get
inl of the flies ; she has prollally observed that about sunget the flies settle on the ecil-
ings and walls of the rooms ; well, then, let her open the windows on ; we silte of the the
room, then take a towel in each hand, and beginning on the side opposite the open win
dows, drive the flies out of the room and close the windows; the night air kills them
Howecer, I would not advise her to get a bi, hurry two heads might come into contact,
and I would not answerfor the consequences."

Uncle Tom says I had better let him help,
I indeed I won't. I hope to receive many letters from you
all this month, and will always be pleased to
help you in any way possible Minnie May.
 Dear-UnGoy m, -It was I who sent you
he letter fithout
 course of my correspandence that I have done
that trick. I am always interested in your
monthily visitor, as I have and always had a monthly visitor, as I have and always had a
great taste for puzzles or anything that leads
one to think and seare if one to think and search. If t can at any time
dop aline or two to intercet the younger por-
tion of your read rit will ive mo pleaure to
do so I will endeavor to imitate the little cordo oo. I will endeavor to imitate the little cor-
respondingsider.
Minnie May for meor for her have you thank
and Minnie May for me, for her information rela-
tive to frame making. I am a frame maker
myself, but per we framed into a star, and the stars are
woven together, but 1 think Minuie's would be be woven torether,
nice for a change. I would like to tell $F$. Ee.
Chitten Chittenden that $I$ guessed the answer to his
puzze the frist time reading over, and and am
wzl Welland I claim to be one of England s daugh-
siand
less, and I eres, and I love the home of my
in it I spent many happy hours.
I must say that I agre with Clara Thomas
in thinking that you rre a jolly old gentleman in thinking that you nre a jolly old gentleman,
and are still fond of fun, and like to see old
people so too, for they must remember that people so too, for they must remember that
they were young once and the adage "Y ou
cannot put an old head on young shoulders., is
cery true.
LizziE ELKINGToN. very true.
Paris, Ang. 28, 1873.
I want Lizzie to read below Katie $R$ 's letter
bout the picture of Uncle Tom , family and the picture of Uncle Tom's family. I
want her in it. She sends the following puz-
zles : 128 :
126. Spell Burt with fourteen letters. 127. Find the circle of sciences in " a nice
cold pye." Clara L. Boake sends the following along
with answers : 128. I'm lar King, queen, emperor, knight Man, woman, husband, wife,
Sometimes when the latter the plagut
of your life.
129. Before I'm anybody,

Barbara Stratton, Dundonald, sends answers
and puzzzes. subscriber, Fullarton, also end puzzes. A subscriber, Fullarton, also
sendo puzzles, but I have had them all in
before.


A nother of my very little nieces has bee
 claimed mamma, "could yon keep time with
the rest?" "I guess I conld," proudly ancered little Neilie. "I hept ahead of them
nost all the way through." Lavill Heacock writes me a nice letter this
month she says sho did not fet the seds 1
sent her this year. Well, if she will remind me of it at the proper time next gyring, they
will be sent to her again. Here is wuzzles 131.

The following puzzle has been sent in by sev132. There is a and nieces: There is a word of plural number,
A foe to peace and human slunnber,
 Ry alding s you plural make,
But this, how strange the metamor
phosis,
Ry addings' plural is plural then no
more, mat sweet what bitter was before. 133. If from six you take nine
And from nine you take ten, And from forty take fifty


A Canad an city.
My evei-welcome niece, Mollie, writes this Myrcleville Farm, Sept. 10th, 1873. You will think your niece Mollie has forgot-
ten you, but such is not the ease. It take reat interest in your column, but am not clever en
ough to send answers to all your puzzles. ough the send answers to al your puzzies
think you should have your photograph taken
the time of the Fair, with your large smal the time of the rair, with your large smal
family about you. Would it not te fun?-
Good bye, Uncle. From your itite nieo,
 ested by such a picture. My far-away niece
Katie K.. sughests a very goud way to get in up. Here is her letter :
Fast Bay, Nova Scotia, Aug. 20, 1873. Dear Uncle Tom,-
I like your colunn better and better every
month. $1 t$ is so pleasant and chatty that I feel as if I was haearing you talk. Now, I IVive á
long way off from you and from all, my cousing,
and don't suppose 1 shall ever see you or them, so I have ben trying to think yp ou way by
which Imight get a sight of the pietures of
you and your large family you and your large fanily, here piremy midea,
and please oo, dear Unile Tom, agree to it:
Lete each of us send you our phut Let eech of ung send you our photograph, one
of the card kind, and then take them ple put
them together with yours in the centre and
 whole picture, and send d o oopy to each of u
who sends fifty cents for it, for you can get
them made for that. Now, would not that be them made for that. Now, would not that be
sppendid? We ould hen, all of ua, have a
picture of yourself and all our dear cousins spiendid We could then, all of ua, have a
picture of yourself and all our dear cousins.
I will send my picture and fifty oenta in about a week, and you must agree to many pro-
Kosus
posal. I don't like to refuse Katie's request, no if
enongh of you conply with it and dendin picnongh you comply whe will get it up as
tures and money, why we
the says if not, will send bat the
 be preparing; I am looking around now to find
sounething goon to offor for prizen, and will de-
cide by that time, so be preparing. cide by that time, so be preparing.
Lovis B. D. Smcke says:
133 . Why is a hen the most profitable thing a farmer can raise?
136. Subtract 45 from 45 and have $45^{\circ}$ left. 137. If the $\mathbf{B}$ M T, put : If .
 uncless now, but the more the merrier. so
wish to per and likes it very much, and thaves your pa
listile
sist r who takex more interest in reading it than any other paaper or ore book either. I hope you
will recelve me ar your nephew. Certainly I will, and your sister will be and
ANSWERS TO SEPTEMBER PUZZLES. 118. Because he drops a line by every post.
119. When it is alittle reddish rasidish).
120.
When

 Egyptians lexts in the collections of England and the Continent are to be published under
and
the auspices of the society the augpices of the Society of Biblical
Archieology. Nearly all the principal trans-
latars have offered their services, and while atars have offered their services, and while
each author will be alone responsible for his own portion of the work, the general arrange-
ment of the materials will rest with the ment of the materials
president of the society.

## FARMER＇S ADVOCATE．



MAREETS．
Loudon，Sept．15th， 1873. grain．
White Wheat，new，$\$ 1.20$ to 1.27 ；White
Wheat，old $\$ 1.00$ to 10 ；Red Wheat，the 1.20 ，Siring，$\$ 1.15$ to 1.23 ；＂Barley
O0cts to 90 cts ；


 －modes．
 ficts to 7 cts ；Calf skins，green， 10 cts to 11 cts ； prodice． Hay，per tom，$\$ 15.00$ to 17.00 ；Potatoes，
per bushel， 60 cts to 175 cts ；Wool， 35 cts to

Liverpool Market． Latest to time of going to press． Breadstuffs quiet at unchanged rates．－
Flour $30 \mathrm{~s} ;$ Rel wheat $12 \mathrm{~s}, 8 \mathrm{ll} ;$ Red Winter 12s 6d ；White 13s 2d；Barley 3s 6d ；Oat 3s 4 d ；Peas 38 s ．

Buffalo Live Stock Market． Buffalo，Sept．15th． Cattle－The receipts of cattle to－day in
cluding 39 cars reported to arrive，have bee 850 head．The market is dull at $12 \frac{12}{} \mathrm{tc}$ off on
good cattle，with common entirely neglected good cattle，with common entirely neglected
About 1,300 head were disposed of．Sales or 245 llinois stecrs，ranging from 1,064
1,253 lbs，at $\$ 5.50$ to $\$ 6 ; 221$ Ohio steers $1,253 \mathrm{lbs}$ ，at $\$ 5.50$ to $\$ 6 ; 221$ Ohio steers
ranging from 999 to $1,365 \mathrm{lbs}$ ，at $\$ 5.12 \frac{1}{2}$ t 5.80 ； 10 Michigan steers，ranging from 93 to $1,069 \mathrm{lbs}$ at $\$ 3.50$ to 4.40 Sheep and Lambs－The receipt of shee
and lambs to－day have been 3,200 head，mak ing the total supply for the week thus far
20,000 head．The market is slow at， $00 \mathrm{head}$. ，The market is slow and weal
at yesterday，s prices．Sales of 1,242 Canada at yesterday＇s prices．Sales of 1,242 Canad
lamps，ranging from 55 to 70 lbs，at $\$ 6$ t
$6.62 \frac{1}{2} ; 148$ Canada sheep，ranging from 11 6． $62 \frac{1}{2} ; 148$ canada sheep，ra．
to 141 lbs．at $\$ 5.50$ to 5.60 ．
Hogs－The receipts of hogs for to－day，
were 4,900 head，making the total supply f the week thus far 17,900 head．The market reacted this morning，and prices declined
20 c per cwt．Sales of 750 head of Ohio，In diana，Missouri and Michigan hogs，ranging
from 180 to 250 lbs at $\$ 4.55$ to 5.25 ．
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priee 95 cents．photpaid，than from all these bool
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