

VOL. VII. \{ $\left.\begin{array}{c}\text { WILLiAM } \\ \text { Editor and } \\ \text { wrid. } \\ \text { Proprietor }\end{array}\right\}$
LONDON, ONT., JULY, 1872.


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 The Goveinment of the Country cersus
nedividual Lin erprise......


 Sieedsections.
 Influence of Paris Greern on the Potato Thien heat Aidge
Thived Hushandre Mised Hushandry
How to Mako Haj
 How (Gy sesum Acis upwn Soils
The Best Wheat Region
 Lime and Sipl Mixture.
 Sant a a octitetes rure
Sowiug Girass Alone

One Thing ata a Time
Sugar Beers for rattening swie.
Nutri ive Value of Nlllk





Tiue for Pree Plyntive

Ap les of Imes.


MI Gr Mese and their Easy Caituree, ivial, 10






A Farmers' Advocate Company. Are we to be the serfs or the rulers?
Are we to subuit quietly to oppression Slall we le united for our general advanancesin in the The two great politial powers
8 are striving for the victory. Every influence is beilig brought to bear; ; fat oftices are created for the friends of 'Party, and ${ }_{8}^{8}$ every politician must be rewarded. The railway, and legal and lumber interests have their representatives in Parliament.
Whay? Because they have thoir writers and papers to support them. It is a well${ }_{50}^{5} 5$ know fact that the pey has more power 105 than the sword. The Press is the result
105 of the pen. The Press rules the world. 99 to es eand powerful companies are formed 19) ing establishmeuts of Canala great printing establishments of Canala. The Globe
and Mail of Toronto have their companies 10 and Mail of Tornnto have their companies,
0 0 eachies are formed in this city for publishing 1) political papers. Each of these may talk about agricuture, and give some extracts
and write for party, or persons, or mea 1 sures. Why cannot we, farmers of Canada unite and establish a press for the advance ment of our interests ? Our agricultura $1 \begin{aligned} & \text { interestssthoultics or religious sects. We } \\ & \text { to party polition }\end{aligned}$ 1 thavity politicis or recigious sects. We 101 we have rights to be maintained and wrongs 101 to be redressed. We, as a class, should
101 have a voice in the nation, and let that 101 have a voice in the hation, and let that

101 voice be heard. 101 The Farmers' Advocate has now, u2 unaided by political parties, attained a | vis $^{2}$ | proninence, ant it is admitted to he the |
| :--- | :--- |
| leading agricultural paper in the Dominion. |  | It has exımosed fearlessly such things a 102 tave been against the interest of ayricul-道, brought before the notice ot its reader 2.2 vantare th ticm and to the country; alway

 102
102 their pwer and interest. It has been woik
102 trom an in innficant sheet to the heal ment to one that an now shonw a respect 103
ahle and profitithle income. Of curse, all
103
papers requice a vast outlay at first ; and Mapers requine a vast outlay at first, and虽 tical parties $t$, secure your Advocate The oljert of its editor has been to estab lish a paper thue to its name
Deing desirons of extending its useful.
 1.0 is suspested to form a Joint Stock Com107 any to exteud the influence and utility
104 of the paper. The proposition is, to dis-
 104
108 others. The stock proposed to he raised
100 , Tould be 3 , in sares of "pach.
mers
to be to pucate Company; " the ohject and advocate the farmers' interests independent of party politics. A Committe
of Management to he elected, with a Secretary, each shareholder to have the power to vote by proxy.
The grand que
The grand question to be answered is made sufficient to pay a handsome dividend even during the tirst seven years of its infancy, despite the many threats it has
received, and the predictions of its failure received, and the predictions of its failure
One advertising firm alone says its in fluence would be worth one thousand dollars per annum to them. But we do not wish to exclude others in the same line of
business. Further, the test and trial or seeds now going on are of value to the paper. The Government may yet ahandon their plans of establishing their Educa-
tioual Farm. Even if the tional Farm. Even if they do not, we
anticipate that if they slould not aid this establishment, obstacles will not thrown in its way. The paper may be encouraged or used by them. " Perhaps
the Emporium plans mav meet with approval; and should the Emperium be holders of the japer will have the first
hompant come offer of shares. There is a profit to be The institution now established is gaining in business. More aid in men of ability and means are required to push it in each in such appointments. We anticipate th shares would increase in value at a rapin rate-perhaps 25 or 50 per cent within one year.
This is
is merely thrown out as a suggesof our subseribers in regard to the plans We hone some of our suliscribers at each post-whice will reply, as we wish to act
to and for the iuterest of the farmers of the Dominion - not to he confined to loral personal or political influences alone. We respectfully ask your opinion of the above pendent agricultural proyress or with for the farmers' interest or your own. Please reply.

## Small-Pox Again:

When returning from Toronto we left the cars at Ronte station, and took the
stage to Trafalgar township, in the count of Halton. We wished to see Mr. Main's stock of suffolk hogs, having seen some
of the be,t we ever leheld exhilited liy him at the Guel,h Exlibition. We founi Mr. Main working in his yarden; he in
formed us that an inmate of his house had the small-piv. No sign to that effect was
put up; even the stace-lriver, houso four times disy, dilit not kopow of it

The Devil's Nese.
We paid a visit to Dundas a short time since, and af that thriving town, we were induced to pay a visit to the "Devil's
Nose" this being one of the most remarkNose," this being one of the most remark-
able features around Dundas. It consists of a long, projecting, perpendicular rock, running about a quarter of a mile in length
and twenty-five feet high, on the summit and twenty-five feet high, on the summit
of a large bluff or ravine, on the property of Dr. Hamilton. It is situated immediately back of the station, and only about
a quarter of a mile from it. The rock is
so steep that it is so steep that it is impossibibe to ascend it,
On the top of the rock are beautiful shade trees, and a wide space of grass land admirably
adapted for pic-nics. The scenery here is unsurpassed by anything to be found in Western Ontario, and affords a most
pleasing, attractive and romantic impression, not to be obtained in any spot we have seen or heard of this side of the
Rocky Mountains, until we enter the Rocky Mountains, until we enter the
Lower Province, or $\underline{g}_{0}$ to our new Western territories. From one of these high hills, at an elevation of 180 feet ahove the town of Dundas, a most charming view may be obtained, counmanding a ington Bay, the city of Hamilton, the town of Dundas, the villages of Ancaster Waterdown, \&c., \&c.
Dundas carries on more manufacturing
business, for the number of its population than any other place in Canada. Another business is just about to afford a new
source of wealth to Dundas, viz., the source of wealth to Dundas, viz., the
immense quarries of choice building stone that has recently been discovered under lying the stratum of rock above. Gangs of men are now employed in clearing off
the shale and dressing the stone, which the shale and dressing che stone, whe the western points. We are surprised that
this valuable quarry had not heen long since discovered, as the best building ston
used in this city had to be imported from the States ; now we hope to see Canada able to supply our requirements, as we
as to reap a harvest from the export of it Besides the attractions of the beautifil at Dundas, one of which is two feet higher than the Falls of Niagara; the body o water that passes over the highest is
comparatively insignificant. The falls are sitrated about $1 \frac{1}{4}$ miles from the station and are located in large, wild-looking chasms or ravines. To those who desire
to see the rough beauties of Nature to see the rough beauties of Nature
Dundas scenery affords a rare opportunity. We were so delighted and charine with the scenery here that we wished ou friends could enjoy the sight also. The
thought struck as what a beautiful place for a farmers' pic-nic! Would it not well to have a harvest-lome pic-nic in Scutember next?
the neighborhood of Dundas and ether nineses if there are any that will second lin proposition--that is, to have a handas, or at any other place.

## Government Repors

We acknowledge the courtesy of the
, ard of Public Works for the Report of the rommissioner of Arts and Manifactures reer valuable works. The Rupert of the O.mmissioner we have alrealy daid under rontribution in our present issur, anm whit - it is an excellent yolume for our ditorial library, and we will often have . casion to refer to it, and draw from it uticle on the wheat midge is from it eneral interest not be well if items of such amount of service, were maale more renerally knewn, and published weokly or
ionthly in a proper form? It is with
 ultural community

Public Expenditure.- 200,000 for Stock.
All must know that public expenditures naintenance of every nation ; and without them a nation would be swallowed up by some grasping power. This is a cause of heavy taxation. We do not say we are or capabilities, if we compare Canada with
other countries other countries. It is also necessary to
expend large sums for state show, pomp and glitter. There are rivalries in the
world. Some rulers will try to excel in world. Some rulers whiltain, tor instance; Solomon in wisdom ; Noah in navigation. Canada appears about to excel (consider
ing her age, means, population, \&c.) in agriculture, judging from present prospects The recent government commenced th expenditure of between one and two hundred thousand dollars (which appear to
have been thrown away), nominally fo agricultural purposes. Siuce our last pape was puhlished, we ealled on the Hon. A McKellar, the present Minister of Agri of the government were. It appears that the Mimico Farm has been purchaseld but, from the unfitness of the soil, the cation, the lack of water, and oth
auses, it is not approved of, and th present government are still in quest o more suitable place to expend money on A farm has been examined in the vicinity
of Guelph, but we have not heard the Guelph, but we have not heard the Minister of Agriculture in Tornnto at the ommencement of the last session of Par-
lament, when be then informed us that ament, when be then informed us that ne tovernment were for the Agricultural College, and that they were contemplating expending $\$ 50,000$ for the importation of
tock; but during our conversation with tock; but during our conversation with templated to expend $\$ 200,000$ for that purpose. We said we did not think it would
he of advantage to the agriculturists of be of advantage to the agriculturists
Canada to do so. Mr. Mckellar said he
 ners on the subject, and the
The stoek business of Canada appears to us to be progressing most favorably at
the present time, in the hands of nur enterprising breeders and importers. The fact is, we are even now exporters of choice
breeding stock. By far the majority of breeding stock. By far to me States.Canadians are not able to vie with the the fancy animals now bring. It is our for such that a govermine tond rather $t$ an injury than a benefit. It would most probally act iijuriously against some of our inporters and breeders, who hav already done so
stock, and , aiving a rep, tation to our
an they wer country for sheep and cattle. If they were
to be sold on arrival, most probably ninetenths of the stock imported at our expense and we should he nsiny our money for th benefit of the Americans, and our country as a quarantine ground for them, as,
reality, Canadian cattle of the same quality reality, Canadian catte of the same qualit are more valnabe use we have no rimder-
from Eagland, because
pest or mouth disease in Canada, therefore we cannot export it; while, on the othe hand, there
from Europe
We hope some of our stockmen and
farmers will furnish us with their opinion on this question, as it is but right that all be openly and fairly discussed. We do not look on the expenditure that hated expenditure for stock as hang for We look ou both as bein\$ more calemited to serve the purpuses of political fartics or We have failad yet to meet a mamer who
approves of either. We think this suhject
form a correct estimate of the agricultu-
ral capabilities and the varied ral capabilities and the varied resources o
this vast territory, without reference the bays, arms of the sea, and to the great and innumerable small lakes, such marked characteristic features of the country ; for to the value of our possessions climato logically and agriculturally." In speaking of the "position on the
globe of Canada," the author thus sums globe of Canada," the author thus sums country, as co
valuable cereals and the latitudes of the most quently, where appropriate food in the greatest abundance can be found for man and be ast. It is, in climates aud produc-
tions, similar to the region in the old tions, similar to the region in the old
world most favorable for the sheep and the ox. It is the latitude in which man
attains the greatest energy of body and attains the greatest energy of body and
mind. It is the latitude from which have mind. It is the latitude from which have
sprung conquering races and the races that
rule the rest of the world. It is the lat tude from which the migrating races in modern as in more ancicnt times hav
come, for as man is here most come, for as man is here most robust, so
here he multiplies most rapidly. While the more feeble races of the south of Eu rope scarcely keep good their numbers, the
northern races are constantly sending their surplus population by thousands and even
by hundreds of thousands, out to this con-
tinent."
The section on "The Climates of Can ada,-Temperature and Rainfall," is very
instructive to those who knowing little of the country, have suffered their minds to be prejudiced against it. From this sec-
tion we make a brief extract; it is conmanintained
"The summer temperatures are those of upon those anuuals for which ne effect mers are long enough and warm enough to
secure their maturity. But the frosts of winter have a powerful effect in pulveriz
ius the soil, and the snowy covering pro ing the soil, and the suowy covering pro-
tects the ground from the winds and sun of the late months of winter and early
spring ; then the gradual melting of the snow hils the soil with moistury for seeds and plants, a contrast to many countries in the south of Europe and many western States, where
the ground. exposed for months without such a covering, is too "ryy for regetation.
Our forost trees-some of them alnost semi-tropical, as the tuli, pepperidge,
grape vine, \&c.,- have stood the frosts of grape vine, de.,- have stood the trosts o
centuries and still flourish; ; some of these monarchs of the
50ars oid."
"Wood-land, Prairie and Desert," and the succeeding section, "The Climates of
Canada as Indicated by the Natural Pro-
ductions," will w:ll repay the attention ductions," will well repay the attent
and raading of the mest indifitrent. Taking the book as a whe it must con-
vince the most sceptical that the Domin ion, despite all the "draw Lackse", is from
her ureat natural capabilities sestined be arosperous and powerful state
With ne or two short extracts we must lay down this work for the present:-
"Where certain forest trees, vines and
phats have fastencl thenist phants have fastencl themstives withou
the care of man, tiey give us the lies nud moisture faverable for their growth
Many of the tres. in the furest, of Can ada, the most remarkable forests of de-
ciduous or leaf-falling trees on the glole
 rain. The western coasts of both contin
ents, in the OOd and New Worlds in hif
latitules, have the ncessary moisure bit not the summer heat : hence the absence there of leaf-falling trees, except certain
species in favored localities. The prairic: both east and west of us have the required those regions are destitute of all trees. "Climates fatal to forest trees could not
be favorable for truit trees, nor indeed fo
any agricultural products. © Hence the
absence of forests and the frequent failure
of crops throughout the Western States from the deficiency of summer rains. "The high summer temperatures and
abundant summer rains in Canada are unquestionably those conditions of are un"ecessary to produce these peculiar trees.
"The productions of Canada are mostly milar to those of western, north-wester ing thonse of the middle and higher parts of the temperate zones. The cereals,
rasses, root-crops and hardier fruits of urope find here more than in any other art of the American contincnt, their ap
propriate elimates. The three decennial ensus of Canada show that we produce nore abundant crops of the cereals, grains,
grasses and root crops, and those of bette grasses and root crops, and those of bette
quality, than any of the States of the Republic. This is true of wheat, oats, bar ley, peas, rye, most of the ordinary root
crops (as potatoes, turnips, beets, carrots, ce., aud the hardier fruits. The Cana
dian census of 1851 shows that Canada even then produced one-sixth as much wheat as all the thirty-one states and four territories, one-half as much peas, more
than one seventh as much oats, more than one-fourth as much barley, and nearly one-eighth as much hay as the entire Re public. The census of 1860 and 1861 wa.
still more favorable to Canada; for in wheat she had one-sixth, in oats oue-fourth to one-fifth, in barley one-third, and in
peas nearly equalled the 34 states and 7 peas nearly, equalled the 34 states and
territories."
A.'T Ev.

Crop Prospects, Prices, de. Fall wheat must be a very low average
crop this year. Some pieces are good bat for one good piece we have seen one
hundred bad. The grair may be good, hundred bad. The grain may be good,
but the average yield per acre for the
land sown must be small, much smaller tian any statistics have shown, as the elds that have to be turned under and re-sown with spring crops are not generally A very large average of last year's grass
seeds have beeu destroyed by the frost, or rather by dronth and unseasonable warm frost. This has been the cause of the
destraction of evergreens such as never destruction of evergreens such as never
before was known. spring crois are very cheering. They
promise nore than au average yield. In
our last isssue we advised cur readers to our last isste we advised cur readers to
strive and sell as anon as the weather would permit, without danger of storing
too soon. Some have kett their word.
We think they have lust the price the too soon. Some have kept their word.
We think they have livit the price the
Abvocate would cost them for 20 years by the neglect.
The appic erop, must be the largest eve
known. Be prevared to dry, store and make cider; raw and uncooked apples do not pay much to feed to stock.
Chicries and peaches will be ouly than usual.
Potatoes are being destroyd in some
sectious by the potato bil. Those that
 favourabiy. l'mity of grass and goon!
price.
The root crons are as phoming as we
can desire. Everiythinglooks like progress. Carter's Open Diseher.

Carter's Open Ditsher We hal an opportunity of sceing this
new implement at work. A large wheel
is placed in a frame attached to a common hlow h: it takes the carth raised by the Plough, carrying it in an clevated, horizon-
tal position, and leaving it from three to nine feet from the plough, depending on the sze of machine. It was the small
machine, worked by onc span of horses, that we saw in operation, and are fully as sonn as it is seen by any farmers that
are troubled with wet land and require

## gariculture. <br> Infuence of Paris. Grect on the

 Potato.
## add before the satural histort society Of the Michian agriculhtral college, by r. c. kedzie. by r. c. kedzie. The scientific ma

The scientific man has a two-fold duty to
perform for the phblic-to cive warning of
danger when there is canse for apprehension,
and to and to allay fear where there is no good ground
for alarm. 1 propose to stow that the fear of poisons being introduced into the anima system by eraing potatos produced on vines
to which Paris green has been applied to de-
siroy the Colorado potato stroy the Coloradoe potato nug is without good
foundation, unless tle $P$. ris rreen is used in Teedless excess. Mnch thosecessary alarm
has stisen in the minds of used
such potatoes, and doubtless many farmer such potatoes, aid doubtiess many farmers
have tort this reason been deterred fromus using
the most effectral remedy yet found for the devastation of this western border ruffian.
In many places produce dealers have refused ho mauy places produce deaicrs have retuse
to buy potapos potected by Paris green
while grewing, or have bought them at a re

$$
\begin{aligned}
& \text { duced price. } \\
& \text { Pariis green }
\end{aligned}
$$

Paris green is unquestionably a deadly
poison. it coasists qf the aceto-arserite o
copper. alluterated with about to per cent copper. alulttrated with about 10 per cent. of Suphate of baryta. This last ingredient is
without action on the animal systent, but the aceto-arsenite or copper rectstins both harsenious
ac $d$ and copper, snilstantes everywhere re acd and copper, silhstances pverywhere re
gaided as poisons. The apprehension there zaided as pousons. The apprehension there
fore that the potato might be in juriously af-
fected when these sulstances were auplied tore that the potato might be injuriously af
fected when these sulustances were applied
to the soil on which it was grown was very to the soil
natural.
It has been supposed to be a sutficient re-
ply to any quesition about its poisonous effects
on plants, that on plants, that Paris green is entireiy insoluble
in water. Storer, in his Dictionary of Chemical Solubilities, saves:- "Insoinbie il water, but
is partially decoupposed by continued boiling is partially decoupposed by contioned bioiling
with watter, soluble in ammonit water." As th" water in our cultivated fields is not subjee
ed to a prucess of "copatinuid bolling," "hid from seem this causettle any question of danger
But the water in the soil is almost neve But the water in the soil is almost never
pure watere, Lat is more or less saturated with carbonic and, and contains mall quatntitiex
salts of ilue, potast, ete. The question is, will ater rs foumd in cur dement of Paris greens 'To test this matte an extreme iorn) suspended a qraitity
Paris green in water, and through chis passed
washed current of canlonic acil tor washed current of carlonic a cid for twent-
four hours. The water fitered off from all
sesidues Eave a sonuewhat at unlant recipitate of sulphide of assnic when
trean of sulphuric acid was passed through it
 Cors that the prolonged action of a solution on
carbonic aceid will reatider a portion of useninas areen. The ins subtinty of the aceto-arsenite
of copper in pure witer is not therefore an adequate provection are inst its poisonous in in-
fluence when Itaed in contact with water
charged with carionic ucid, as all water in the
 selubie in ammonia water, anothcr source o
datiger might anse from this cause but it danger might arrse from this cause; but it
requires a scme what concentrated solutin of
aummonan to dissolve the substance in anmonia to dissolve the substance in appre-
clable guantity. Thus, if we take a solution in strong ammonina water, and ndake a t to a a larione
volumue of pure water, alnoss the whole of the aceto-arsente separates in the insolnble efrin.
The danger ©f solution of the Paris green forn is aninute
in allity.
 Confine myself to the questin of its s,imbility, cau enter plant life only in the state of solu-
tiou.
If water charged with carbonic acid will If water charged with carbonic acid will
separate arsenious acid from Paris green in a
soluble firm, he question arises how are we oluble frrin, the question arises how are we Mintected frum its puizonnus influence, s.nce
rain water and the witer in the soil is always Hore or less charged with carbonic ac.d? I
reply that the cunservative element in the problenn is foumt in thie soil itself. In cases
it poisoning by arsemic, the remedy is the nsuinble basic arsenite of iron. Ten parts of this hydrated fernic exide will completely pre-
cinitate one part of arsenious acid, fron which

















Thit opunitit of Praisis green neceeary io








 trim thisis came





 detetel I.
and Pais greel. witie oblublis in water, thatyodt
 and
 3ri. That havever frely lued bent benp np. ot impat ave enic in
 engisha authority on agreve. rere. To tirn shecesesfilly we muxt farm wol.
 will thinive dind fitten, cropse will been Naxliant milk will be rich, and cheeeno ar gool. It it watt of time to enter upon

 greater, aad interest on capital not Bo-much. Poor land is ill alapted for feeding, dairv-
 tive. We live in very uncertain times. are alteruately high and low, and it is not wise to depend entirely, on any single.
branch of farming husbandry, but make careful and proper divisions, resting assured as seasons revolve and change take plate all in due order will give a pratier
the wheat midge． The Rev．O．J．S．Bethune，in a most inter－ esting and valuable article on＂Insects en of the introduction into this country of the midge and its de
speaks of the remedies：－
1．The Natural Remedies．－There are three parasites which seem to have been
ordained by the Author of the universe to ordainnd by the Author of the wheat midge， and they so effectually execute their
mission，that it has often happened，a mission，that it has often happened，a
year or two after the midges were in ex－ year or two after the midges The only other natural remedy for this pernicious insect，that we are aware of is
the beautiful yellowbird，or oldffinch，that is so common throughout this province
$W$ e have long regarded this sprightly creature as a special friend of the farmer from its habit of devouring the seedss of thistles，and other annoying weeds；but
we learn from Dr．Fitch that it deserves we Learn from Dr．Fitch that it deserves also a destroyer of the wheat midge．＊＊＊ 2．Artificial Remedies．－Though we are
so deficient in natural remedies for the de－ rastation of the wheat midge，there is no
doubt that much can be and has been done by the farmers themmelves．Thes methods of reducing the insects＇ravage are now so familiar to all our intelligent agriculturists，and are so simple in them
selves，that we may be excused for dwellin selves，that we may be excused for arelul to
but briefly on them．（1）Be careful to hurn all the screenings of the wheat after it has passed through the fanning mill；
these，when the midge is prevalent，often these，when the midge is prevalent，often contain thousands of the yellow larvæ，
which will live through the winter，and produce flies for another crop，if not then destroyed．（2）Plough deeply in the fall any field that has been attacked by the
midge during the previous summer，and take care to occupy it with some totally different crop during the following year． （3）When the midge is in the neighbor－ hood，sow onls the improved＂midge wheat，sow as late as is consistent with safety，in order＇that the plant may not come into blossomuntilafter the midge＇s period of
activeoperation is over．（5）If fall wheat，sow early，in order to anticipate the appearance of the midge．（6）Avoid sowing upon low， damp ground，as it especially favors the midge．（7）Thoroughly prepare and culti－
rate the ground，in order that you may obtain as strong and healthy a growth as possible．After all this has been done，we add （8）put your trust in Providence．As we
may be at any time afflicted with another may be at any time afflicted with another not for some few years now，remember－ when itdoes threaten－that there is much truth in the old adage，＂An ounce of pre－ vention is better that a pound of cure．＂

## mixed hubbandry．

We have heretofore frequently urged the importance of mixed farming，as beiog more than running any specialty upon the farm．－ is tie only prudent course to follow．
Ledina county，Ohio，furnishes a good ex
：nple of the unprofitableness of special farn－ a inple of the ungrofitableness of special farm－
 and for some years previously，wool commanded good prices，and too many farmars rushed inte
the sheep business．Atter that date wool de－ clined in price，and farmers turned their at tention to cattle，as offering better induce
ments than sheep．Now wool has advancel materially，and cattle have declined；and to the extent that the farmers of Medina ex－ thiey losers．
We do not urge that sheep are more profit－
able than cattle，but believe rather the con－ able than cattle，but believe rather the con－ re any othor county should so divide their



How to make hay－caps． Hay－caps consist of firm cotton－clotr or sheeting，about six feet square，having：
the raw edges hemmed and an eyelet hol－ near each corner，through which woodes pins are thrust into the hav to hold the cal
in its place on the hay－cock during storm： in its place on the hay－cock during storm！
weather．The most economiral way $\mathrm{n}^{+}$ weating a ne mber of them is to procur，
maketingabout two yards in width，and hem
sheeting the edges with a sewing machine，aftes which turn over each corner about thre
inches，and sew the edges down tightl with strong thread．Near each corner maki a circular seam or two，about three－fourth： of an inch in diameter，for the pin poles
If the sewing is done with a machiue will be well to make two seams close to gether，after which thrust a bo lkin througl and make half an inch in diameter for thi ins．Torender the cloth impervious to water
let it soak in warm coal tar for a feu et it soak in warm coal tar for a ery dry as may be practicable．The cans wil then be fit fcr use．Coal tar is preferabi
to paint or oil，as a coat of naint wil to paint or or al，as a coat of naint wil
render the cloth heavy and stiff；and oil would damage the strength，and will not render the caps so durable as coal tar
More than this，oil or paint will be foun More than this，oil or paint will
much more expensive than tar．If the readily，and will not leave the cloth si stiff as paint．Four wooden pins will
be required for each cap．Each pin should be required for each cap．Each pin should
have a head about one inch long．If the pins be soaked in oil it will render them Hayc
Haycaps will be found useful and valu－ and stocks of Ind all kinds of cereal grain well as for turning the rain from hay after tithas been gathered in cocks．In autumn bundles，set in round corn are bound in drawn over each shock，except when the weather is fair．By employing cans th
corn can be kept in shocks until th leaves and stems are thoroughly cured，and the fodder will be green and fracrant，and twiceas valuable as if it had heen exposel
to the influence of the autumnal storms and sunshine．Very few farmers have provil ed haycaps，as they do not fully appreciat the value of such appliances，especiall． of protecting wheat from storms．Almos
every farmer loses enough during havin every farmer loses ennugh during havin
and harvest to cancel the entire expense a supply of caps．－N．Y．Times．

Nearly 200 farmers and farmers＇wives lately
net at Clinton，Douglas county，Kansas discuss＂the commercial clenent in agricul－ and Thirteen resslutions．were adopter， and numerous speeches made which are rf－
norted in the Republican Journal of Laurence． It was contended that＂the fundamental inter－ est＂now lies prostrat，contendine with other
labor and professions at odds of from twn to ten a aainst it；that farmers are under the hu－ miliating necessi y of submitting to the unju－t
terms of persons whose emoclunents are f．wnd erms of persons whose encinuments are fullith
in depressing the value of articles they wish to mcumulate；that if the sort tif thnd contin will stare the firmers in the face ；and，finally，that
this＂ridiculous usaye＂is unnc cessary，and this ridiculous usaze＂is unnt cessary，ind
hat united and harmonious effort on tiie part
of farmers might speedily extricate them from of farmers might speedily extricate them from
this galling and absurd position．The sugqe：－ this galing and absurd positin．The sheqe．－
tion was made that farmers slould store grain
in in large warehouses of their own，instead of－
hastily parting with their crons to the oh－ noxious middleman．This would enab＇e them
to follow the wise practice of other producers． ind in the event of a plenteons season．or of a
lecreasing demand，hald their wares mis til the narket is restored．Thus the surplus of one
vear would provide for the contingencies the next，and the results of a a hort crop or of e large ver crop would be neutralized．It was
stated that if 20000 farmerss united in a co－
onerative erms．For example，a grocery man in Laurence had already offered，if 100000 dollars trade per cent．；if 2000001 dollars，at tive rer cent． A firm had offered to furnish clothing at a
reduction of from 40 to 50 per cent on the presant pricas，＂Parties had arreed to handle


Robinssn $r$ marked that the control of a mare
house would be of great advantage．Farner muld store grain and t：ke receipts for it．an upon those ric ipts get all the morey thy
ieeded for paying taxes and other hills，and hus take clie ，doantage of any lise in ti
mirket．An，ther sneakr printed out tl： louhe claract pr the farmer suttin＇s．He is
 Nils．Almot any man of orifinary c mmy．
iense cin riite fair cops．but when he gne ense can rite fair crops．but when he gne
into market asa trader amngy men who mak that department a s＂ercial study，he＂perate
wains heave od ls．The margin of ordinar


 ＂fectrors from anony the nrectical farmer te nrcure a chartre incorpnrat in the Douct
Lis County Eumpre＇Co onera＇ive Union with 1：s County Eumprs Co oneratile，fur carding und commisisinn business．and to contrict for
the doing of tle same with other parties in the interest of farmers．＂
why anmilis need sait Prof．James 11 Johnson of Sentland any
hat hall the saline matter of the hoind 75 pe eent．）consists（f comminn sait．and as thici，
nurtly disolved every day througl the skill md kidnevs．the $n$ cessity for cintinuod sum．
 the ingredients of salt）as a spocial and indic－
pencable contitvent．and so do all the car－ tilages of the hedr．Stint the suprls of salt． ascist divestion．nor the cart ilares to te buil ip again as fast as ther matwalir waste．
is bettor to place salt where stock can lavi is bettor to place salt where strck can rav
free access to than to give it occacinr all in small quantitiees．They will heln themselv，
if wat thev need． pleasure．otherwise when they become sal ［In insular countries as the Britisl Isles，the salt necescary for stock is，in a great measure，supnlieid hy natural means The great evaporation from the seas take． this descends upon the farth．In such places it serres as nart of the fonil of ve－
wetation，thus beroming impercentibly ommnent part of the fond of cattle，an the earth hef ree it has time to be ahsorbe by the nlants．Leing off the western
conact of Ireland thiere is a gnoup of littly islands．the Blaskets；they are the mnst
westerlv land of Eurnpe nothing lvine be tween them and the western world hit the great Atlantic．They are nften washed by the erass is contimually salty．The ronce sheer，flocks of these anim：ls being ren－ richness and delicary of flaver mot to be
equalled by that fed in the richest pas equalled by that fer in t
tures of any other place．］
how gypsum acts upor solles． The exuct way in which gypum produce
 it is hromght in ennrat yith sois are net
a nififm or fix d chracter．Upon the c ditious which exist，as regaris the nesence
vegetabie mat ter and mosure，depend the vegetabie matter mid mos sure，depend the
changes that take place． cypsum is cipable of at sorling anmontia from



 nany be regarded as the most inporrant．ns
from it plants are sapplied with food of the From these ascertained fic＇s we shon＇d in－
fer that plaster mut prove fer that plaster mu－t prove li：she serviceable to misht，monss hills，and also to mendows not
too wet，and this has proved conrect so fur as our observations oxtand．Often po havo
$\left\lvert\, \begin{aligned} & \text { greatly benc fited by plaster，while upon the } \\ & \text { s－uthern exp sure it bas no peicertible effect．}\end{aligned}\right.$ This is due to the fact that he norihern tlope
 moisture，ard a lary $r$ ampunt of partillly de－
cayed vegetation，o aid in the prove otion of cayed vegetation，to aid in the prow otion of
these clemical changes to which we have al－ u＇ed．
It is certain that it does not matter so
m ch what may lie the nature of the s il to m ch what may he the nature of the st il to
wh ch we arply pater．as extrnal agencies re niucipaly c cucerned in fitting it for plant White the question as to how placter acts
 iile s it it applicatin which are of the
ghent imp ntance．Wilh what we know， 1．ghent imp utanep．Whinh what we know
 inve i hed hiil；and a so it wonld he mawise
o sow npm a mead wo which is covened by o sow mpon a mead we which．
rater six montlis in the year． It n．nst also re observed that the seasn has
much to＇o wit！）thie efficts of plaster．－ much to＇o wit！the efficts if plater．－
Diring the rast hree or fur seasonis of ex－ During the past three or four seasons of ex－
teme drout，its arplication has notably
i i ed upon almost all fields．tut as soon as
 sumner minths，
1p＂n re retat on．
Plater may be anpied with crnfidence to
pastures and firlds whict are stro：s \＆nough past ures and firlds which are strone f nough
and muist enough to stistain a growth of de－ ＂dinnss trees．Pine lands are n＇t usualy
denefied by it．A hil side where moss will aruw so as to crowd out grasses is wasually
ompty bent fited hy plaster，and the white duver comes in at ence． These suggestions we think may serve as an
mpr fect enide in arylying a cheap ar：d im－ poitant fertilizing acent to arr fields，also serve respecting ene of the most obscure problems onected with husbandry．－Boston Journal
of Chemistry．
the best wieat region， We sometimes compare our farming with he average per acre of whrat that the Enelish o．often lament the condition of our agricul－ nie；and it is the burthen of many a farmer
whinse knowledge seld．m exter ds beyond the sriting a treat se as to＂what he knows＂that Whe time is to conne when Americans will so
Uder tand scientific principles as to produce hiva，aure per acre with the best Engish
and．But（wirv contr his a peculif climate if its own widiel f wirs，certain，rothc i．ns，
wid thesectimatic conditiuns are by yond human Intrin ：no sintific princip＇es will ever sup－
y them and no kknal dge we may ever
sses：wil lever enable us $t$ ， ＇ee same weiglit per acre as the English can． ction．requires not omly a certain quantity gheat，but that heat should he extended
wer a certain time．$O$ ir whesit is rire in July． The Enclish harvest in Jhine．Our summer
heats ccime suddenly in Mar，and the plant intures lefore it has time to arrive at its treatest weight．The e ol．gradual Hring of
Encland jut suits，ard the conditions we Shal never nessess．As to hiese frequent com－
parisnos of Englisi farming wil ours on ac－
count of the wheat crop，it woull he has rational texpect Enol＇shl f．rmers to decry their aeri－
culture hecouss they can not grow Indion corn
 Weeily Press． the hay crop in the united states， The Amorican Rurcal Home．Rochest ter，
frars for the hay crop of the United States． We make the following extract from its last issue：－＂The farmers of this State ？o king at their masulows cither new or ond，
may conclule that the hay crop will he earth is dry：only a few lassing showery have as vot mointenel the surface during
the whole Spring，and the snrings，wells and streams remain low．This state of hairs is precalent throughout the chtry－ New York，Now En．land and larye pro tinns of the West．There is no chance for a tolerable hay crop，and coming aftへr such pert is somewhat alarming．It will not
 resource is to accumulate stock food to may be available. Last week we suggested cabbages for late fall and early winter feed, and fodder corn to use later. There is yet and cut green, and cured to take the place of hay, and turnips are a seasonable crop. There are many crops, in short, which may
yet be grown to use instead of hay next yet be grown to use instead of hay next
winter, and it is prudent for every farmer to use foresight and make some of them available."
lime and salt mixture Prof. Johnson recommends for fertiliz tow bushels of dry lime under cover, and
allow the mixture to deconrover gradually, thus forming an intimate chemical unison of the two materials. For this purpose before use, or, still better, two or three months, the heap mentionell being turned ver occastonaly. This salt and lime mix bushels per acre, forms an excellent top Iressing for many crops. It acts power busiluts applied to a turnip crop have pio duced as large a crop as barn-yard man ant insects in soil. Like salt, it attract innisture from the air, amm is usefill against dronght Its deconnosing power is re
markable, and if three or fonr bushels o it are mixed with a hoal of swamp muck,
the latter will be reduced to powder. manure well. A correspondent of the Country Gives the fillowing aulvice:-" does not pay to run over so mpleh surface
for so little a crop. La, ra thit truth, and take meastres accordinilly. Mranure, well,
and stop planting when the manure hean aul stop panting when the manure heap,
fails; yrow up your land to fintst trees,
turn them to pisture, let them lie fallow, or. make commons of them rather than
skimover them year after year firr euch
 very many-ton much for some. Don't be eager to possess and yon can see over of a hint for agricultural mepartA correspondent of the Maine Farmer
asserts that "of the whole Board of Man arement of the State Agricultural College
one posibibly may be a farmer, while there are two la wyers, a merchant, a lumber fied with, or cren practically intereste and manarement of that school wherein
farmers' sons are, tanuryt 'what they know blout farming.' The tendency of th thre into literature," or anything else. In the first pacabsage plea. have learned one thin
while fighting potition thus, and that is thial
 better, mi mit wit pater, or thor, st, say
one part of Paris Gieen to 20 or 25 of paste and sprinkle it on the plyts when the de
is on. There is cne step ahead; let uis be thankful for that

> Turkers as insect destroyers. of not hing graul to ynung turkey.t. Sint the
old one in it a coop, fee 1 her and the yound one well, three times a day, with com me
and ple, ty of onion tops cut up and mixed
wi it it.an as
 ing; but their indutry in huntng iurects
from morning ti.l night, is almost marvellous. Potato bugs they will not touch The cut worm does its damage in the night,
and then hides in the earth, consequently
worm, the
wany o:ther
mad p. fect.
Now for the curculio
Now for the curculi,. I have not failed to
hive a good crup of plums a single year tinct my trees became large enonght to bear. Ince
fact tom3 of them have ruined themselves fact :om3 of them bave ruined themselves by ed be eath and about theu, and always have undrr the tree:. My theory is, that they pich
up the insects as fant as they appear above the up the insects as sat as they appear above the
gound. and of currse there are none left to
get upon the trees. At all events, my tree get upon the trees. At all events, my tree.
are always full, and I can account for it in no
other way
rer way
other way.
The application of of sait lias
The application of sath has been found in
maty ${ }^{\text {s.llis }}$ to be followed with most beneficial esults. In our western country the ordinary
farm manures receive but litile attention. accuunt of the fer:ile character of the soils
mont farmers are unwiling to bestow the labo necessary 'or its accinmu atwo hund haning up-
on the land. Busin this we think they great y err. The applicition of three or fuur Lush
ts of salt to and l.tule labor wh cla would, in many instan che bee repaid severa! times in a single crop
hereatd quantity in the crop when apphed to wheat land, the cr p is ofte
astened to maturity eight (er ten days earlien 1asteneut to malurity einht or ten days earlie
than wheat on simulur land not salu d, and dhi
 A sowing grass alone.



 may seed down with gran and thereby save
on stas

 tivg at the stme time. an a a litte muty
over-ipe cl lver, mix. wot ing wits vathe. By k" ping buth epar it
waciculle cut when in the nest contituln fol
lay; and this ruls. will hold good with al lay; and this rule wis.
kinds of forage plants.

## 

## Stock and 周airy

"one thivg at a time.
The National Live Slock Jour
hat the history of stock husbandry in Europt hid in this country satisfactority proves that
iew men sucued in any marked degree at reeders of more than oue race of dumestic ace. A farmer well situated to do so may atain a certain measure of success in raising poultry-his operations with each may be wo instances on record where remarkable
wo minence as a breeder has been attained by one individual with more than one class of
tock. The maxims and argunents in favor of a inixed system of husbandry in this country ave ittle furce when applied to live stock
usbandry alone. The piactice of mixed husjandry so often advised consists simply in rowing soone grain, some vegetables, some
ruits, sone grases and some stuck- ho mor ruits, some grasses and some stuck-the pro-
jurti.ns and vari ties of each to be determined rom year to year by the surrounding circumtances and the prospective markets. FCM
he general farmer this is unquestionably he general best, but it is not tue system which
atiest and ber cave celebi ity or fortune to the Bakewells. the Shings, the Bateses, the Booths, the Hamime as a leading speciaity, and that always, seen to to be g goou law for the breeder who
seeks distinction.

> sogar beevs for fatrening swine. Jonathan Talcutt gives a statement

Jonathan Talcott gives a statement in the
Boston Culltvvator of au experiment performed Ha suft 1 lk p!t, whire sugar beets were large y elnpbyye in fattening. The animal was
about a year ots and the feeding on boiled H1gar beets. tops'and roots, leegan on the 16th taususs, and was continned three times a
lay unti the 1st of Ocwber, after which ic rin and one ot oats, three tumes a day, till
 Hedung was begur, that the weight was 360 pounds; Sept. 1st, 390 pounds; Oet. 1st, 45
Numd; Nov. Ist. 520 pounds. This is th Mbsance of the statement given, by which When ted on bolen supar beets, was at the rate
't two pounds per day ; the salne rate of in ; ptember. Whien fed on ground corn an ats, made iuto cold slop, the gain for the nexi
iity days Was less than a pound and a halt er day. nutritive value of milk. A chemist of Providence. R.I., states that
wilk is more nutrituous than meat. The nutinds of animal food, is not generally appre-
taited. Thiere is less difference between the ecomomled vanue of miku anduectseak or eggsand ty of water in a goud quality of milk iseislity
ix pur cent ; ver cent ; in fater beef sixty
qugs about sixty-ci cent ; in per cent. anaiy is mud last wimer. 1 estimated sirloi
teak (recononing loss fiom bone), at thirty-fiv ents a pound, as dear as milk at twenty four enund, as der as mlk at twenty-four cents
 bef, would consider themselves haruly able t
pey ten conts for milk, when in fact, conlh as well affird to pay fifteen cents.
Miik $i, ~ a ~ m u s t ~ w h u l e s o w e ~ a n d ~ e c o n o m i c ~$ find tor either rich or poor. It ought to 1
largely uned. If the miney expendeal for ve
and and pork were expended for mik, Idoubt n
it wull be an advaittage both to the stumac
and and pocket, especially during the warm seaso
Rela ively sp taking, then, tiilk at ten cent
or e "r even twelve cents a quart, is the che apest
animal fuod that call he used. Whether farin-
ard ers $\operatorname{cin}$ afford to produce it cheaper is a matter
for thent, decide. It is very probable that
wire they were they to ask twelve cents, a very large
number of poor peopie woill refrain trom its uie from mis aken notions of economy, $n$
withstanding they are $+x$ ces

A Michigan dairyman has lately published
his method of packing butter. He has oaken the air,
period. $)_{\text {tubs, with headd at each end. They are } 14}$ in diameter at the top, 2 inches at the
 (er is packed in the tub as it stands on the
inall end-the sack being long enough to ex inall end-the sack being long enough to ex-
tend above the edzes of the tub-and is pressed tend above the edges of the tub-and is presse
down formuly until within an inch a d a a half of che top, when a circular cloth is lasd over it
the edres of the sack turned down. over that the edges of the sack turned down. over that,
nnd a layer of fne salt placed oo. it. The
head is now put in its place the head is now put in its place, the yub turne
ip, and the butter in tle sack, of course, fall ing down to the bottom, leaves a space all
rround it, which is filled with briee poured through a hole in the small. end. When full,
the hole is corked up tight. The butter float in the brine, and is effectually preserved from

We fancy we can see a few million dollars thrown into Canada farmer's hands by this or some other means of sending
our butter to market. If we were to in form a farmer's wife that she was not making butter, but merely grease, should such is the fact. Canadian butter, as now sent out, passes off as grease. Real first-
class butter commands nearly four times the price in the world's market. We can realise double the price we are now obtaining if we make and pack our butter
properly. The above plan appears to ua much better one than those now adopted, and such as will pay to use to some exteni.
brapding btook foo the daiky.
Mr. Nimm, of Napanee, says he has
hash-bred Ayshires and Shory-horns, but Morough-bred, Ayshires and short-horns, bu
he be lves the best breed for the dairy is obtained by crossing common Canadian cown with hr rougn-bred Durham. He deprcates pure
oreeds for the dairy, and recomnends crosses oreeds for the dairy, and recomnuends crossee
of thorough-breds of good milking fanilies on he best milkers of common Casadian cows.
He has had wuch experitnce in raising stock H cross between a good native cow and a purecross between a good native cow and a pure-
red Durham, and then crossed with an Ayr-
hire, pioduce exceilent milkers. He has seven hire, produce exceilent milkers. He has seven
cuws which yielded 7,800 pounds of milk during 1870 . Cows must have plenty of good food,
ad an abundance of good water, for a cow and an abun
well fed and
y treated.
> descaipyton or a bhorthonk. Professor Wrightson gives the fullowing a he points of shorthorns, as generally recogniz
ed by breeders, and we think it gives ageneral description that will be readily underatood by armers, and as it comes from a Professor agriculture in one of the most important agri-
cultural institutions of Great Britain, it may " The color authority:-
"The color may be red, white, red and
white, or roun, but black is not allowed on any part of the body. The hair is plentiful, loug iying in variuus directions, and of mossy, ribo
appearance. The animal is docile, the female appearance. The animal heacile, the lemale carrying a swoet-looking head, with a quitt
eye. Horns of moderate lengh in the cow; eye. thick, thd spreading in the bull. The
suuzzie is cream-colored, and the horns aro muzzie is cream-colored, and the horns ure
waxy, with streaks of red at the base The
bull had a noble carriage and fine head, with waxy, with streaks of red at the base. The
bull had a noble carriage and fine head, with
hair curling over lis foretead and between his air curling over his forelead and between his hurns. It is the head which gives what 18
cerned "character" among breeders, The
unnp-bone, when the animal is lean should Sump-bone, when the animal is lean, should in of it level with the under side of the por- uil Wright.) When the animal is narrow at thib tance between the rump and hips. The
quatrer, or leng th fom rump-bone to hip, narter, or length from rump-bone to hip,
snould be long, and full of lean flesh; the ehipe
should be wide across, especiails in the femaie hould be wide across, especiaily in the femare,
aud the hip bones rounded and well covered; and the hip ones rounded and weil covered
the loin must be flat and wide; the apace be tue loen hips and ribs moderate; the ribs, well
arched aud deep, giving a round 'barrel;' the arched aud deep, giving a round 'barrel;'
back straight, the breadth of the loin wa
maintanined by the spring of the ribs, shoulders wide across; the belly line ribs, anaral
with the back, giving a uniform cylindical
body; the fank well let down thighs hricy hody; the flank well let down, thighs heary-
Heshed and deepp, buttocks full on both sides
shoulders snugly laid back into the shoulders snugly laid back into the crops; the
bosom deep. wide and prominent; the neck bosom deep, wide and prominent; the neck
tilick at the base, but tapering to the head;
the head broad between the eyes, and tapering the head broad between the eyes, and tapering
to the muzzle. Whether viewed from front back, sideways, or from above, the animal
should approximate as nearly as possible in
general outline to a parallelogram form should approximate as nearily as possible in
general outhine to a paralilelogran oform. Thie
is difficult to roaliza, but a danee ois
well-made cattie will convince the observer
that a pertain squareness of form is the best that a mortains qqumetry. In additiou to a
type of bovies

 neither too hinin (papery) nor too thick, (beary)
and moving with a certain characterstic e upon the cellular matter beneath p
 Quasity is also indicated by , un abuudaut c

## ontario as a daiteq bection.

 In discusing this questiou at the DairyConvention reeentiy held at Buillevile, Mr.
 adapted to proitable ctuese makivg; every variety of fodder required curd be gruwn He knew something ut the
Oanada for
diarin
 twriea, Most or his factories were enituated :in
the Laurentian ridges, and he found then Auperior for dairy purpses. He beine then that the land in Ontario coutid prouluce aty govel mik and that as good caeses anil turier culut oa the continent. He thulight cheese shoult
 proitate iodustry than any other, and is in
toniger a specutation. Chese stound be hippel from any Cana


 zu suppl.
ueeilec.

Let producerr be governed by a priciplye of
strict hoonor in this matter, using fancy pack-





 ed, and the reputstion of th
gtill kreaber prospective loss.
Uare of Horses.-All horses must not be their ages, their constitutuons, , and their work, thei impropiety of suth a t practice is self-
evideut. Yet it is constantiy doute and is the
 ness, because there is uo proper nourishluecit in it inazed corn is exceediagly injurious, be canse it triugs on
and skia
and
iseases.
cuise they can chevr old horres than hay, becaluse they can chew and digest it better. give the latter alune, beciuns8 it makese the
loorse chew his fuod more and digest it betier. Hay ur grass alune will not stipport a h horse
ander hard work, becallie there is not sutii under hard work, becal ije there is not sutii
eient nutrive body in evther. be chiefly oats-if not worked hard its food

 For a saddle or coach horse, hialf a peck of sound oats ant elytiteen ponns of yoon hay Yuarter of a peck more otats Aliorse which ${ }^{\text {oxe that works }}$ Rack feedilus is wasteftu1. The the teter plan is $t 0$ feed with chopped hay, from a manger, because the food is not then thrown avout
and is more easily chewed and digsisted. and is more eashiy nay with water that has salt dissouved in it, becusse it is pleasing to the anamponstual of salt in a bucket of water is sufficieut.
Oatb stoould be bruised for an old horse, but through are and defective teeth, cannot ciev then properiv; the young horse can do so,
aid they are thus preperyy mixed wilt saliva, and turned into

## (1)rchation and

This is an article that every farmer should d, for it is vaiuabie for various poses besides that of graiting. Wounds mad in pruming large trees will heal over mucc of bark is arcidentally stripped fronn a triee
the piace slould be covered over with it, and thie wood will remain sound and heaith Tuderneath
 than any other one tried:-Melt in a basin ond
pound of tailow, two pounds of beemax and four pounds of ronia; : stir well tegether, and Seep in a adol place in the dish in which it
was meeted. If beeswax is very costly an item
 Thiib waxis is nost excellent for sealing the
corks of butties whose contents are desired to Corks of b.ttles whose contents are desired to
 पuired tor use. and it will spread wilh a knife
uipol bandages., etc.; is the best sesting wax uppol baydage:
that can lve Cout can he used for
phasblantingo sefplixg trees. All seeding fruit or forest trees should be cess, as well as to insure safe removal in later Yearsi Transplanted sedings grovo more
rapidy than untransplanted, ,and when the pperation is properi's perfurmed, a tree will be as large in ten years as it would have been a
wenty if allowed to remain where the sed Lwenty, if allowed to remain where the sed
was sown or naturally grew was it fell from the was sown or
parent tree
Ido not $k$
Ido not know of auy exception to this ruie,
Tr the hickory, bututrunt, and hask walluti, hr the hickory, paly considered difiticult trees which are geifiransplanted when une or two
to remove if rant
vears old, and deprived of the greater portion years old, and deprived of the greater portion
of their tup ront, will throw out numerouns side
 grow th, butiusures success in trangelating.
One of the most erroneus theories ever pro nid remain healthy longer if it is never med lled with from the time the seed is placed in
 lime for soils of rruit onchards.
On most soils, or in most localities, a pros. per dressing of lime is useful to both peach nd pers trees. There are some soils wher
will nt prove of much benefit, butt we are
 by wiaici the propriety of its appication may
be kusu before makiug the trual. It would not be solikely to be useful where the ground
hat heen previously repeateccly or heavil limed, or where the esol was poor for a way
of the puplication of yard wanure or by plaw ing under freen crops. We have known it to
double the growth of trees on sim sils hat appea
 tion, miight be hurtful or of no nse. Common
time mav be applicu safely at the rate of 10 or 200 bushels per acre, but magnesiz lime shaterial difference between c s.funon stone liuc
qiue for trien phantiva.
A correspoudent of the Iowa i Homestead
 When most were in full teat and some in
blossom, yet not one died. Healthy treess with
 well puaded and the dit packed ciose around chem- are the points
tention in tree planting.

Refore of het of nemurelss ther trees, W. C. Flask, the hoprticultural editor of the $P$ Prairie Farmer, expresses the beiief that drouthis at, He He thinks the long
difictulty in the ever
continued evaporation during the dry summer continued evaporationdind the dry winter dessoved or injured plants weak in cinstitution or irom disease. The Western Rural lives a similar cause-drouth,
severe frosts, and drying winds; the first


The Farmers' Jourraal. Cedar $\quad$ Rer
 Vorway spuce set 20 years since is 41 feet hight, and 5it feet around the truik at largest aro, is 35 feet high, and 4 ieet around the
trumk; anoher set 17 years since is 42 feet

 maple set 2 years
valnut 8 st
16 years is
48
48
feet tin diameter; goiden willow stuck into the ground as a. litile
witch 20 years a apo is 11 feet 8 inches in cirswitch 20 yea
cumference.
himist Frutr tress
This periodical liming of fruit trees is gener
Hy considered as serviceable e especially keeping down the ravages of the insects which
 is ilso inportand the the main branches. For
ikewise extended to the purpose in question, whitewash hats gener
ally been used, causing a decided whiteness ally been nsed. causing a deciceed whiteness
tree, which is objected to by many on the score of the usightly appearance and the
readiness with which the line beomes detached. It has been shown, hovever, by experi
ence, that the same beneficiul effect results ence, that the same henenicial enet
from the uso of colresss lume-witer, which every one knows how to prepare with unslacker
liue, and which, when setiled, becounes clear
 and an poured or reneened applications
dicated.
can the made without affecting the appearance can be made
of the tree.

## prusive in juxe. -

 respondents akiug or intornation as to the
best tine for pruing fruit trees, and D. WW. N.. of Cedar Hill, N. N., asserting that spring
was the best time, as he had always sract ised was the best time, as he had always practised
it at that time, and his trees liad done well.
I lave heen eungediu cultivatiny fruit trees have been engaged in cultivating fruit rrees
or the past twenty years, and have prumed apple and pear trees in every monnth of the
 by the removal of a brancli at this season will lieal sooner than one wade at any ther
time of the year. Second, very few water
俍 sprouts will grow witer pruming and the in con-
which remains will be nuth latrer in sequinence. Any person who is at all aty पaint-
ed with the managenent of fruit trees, knows ed with the manasenent of fruit trees, know
that if at ree is barked in June the wound
 June, persons sliould wear rulbers or other
sont shoes, to prevent barking the branclies My reasons for not pruning in the spring are
we generaly have high winds and copions showers, the vinids dry and crack the new
wound, and the rain citers and blackens it Mhicich it does not do in June. Water sprout
will also grow, which will have to be trimmed of every season, Youn sugyest covering the
wonnd vith paint or wax; but every farmer

valls in frut trefs.
A singular fact, and one worthe to be re
corded, was mentioned to us a few days since

 ortctard every
stroyed by the ravages of the worm, with th
exce exception of throe, and these were the moes saw. The orly cause of their superioitity
suown to lis host wais in experiment made in
kot cousequence of observing that those parts o
wornu-aten timber into which nails had been driven weie generally sound. When the trees
were albuut year odd he hiad selected three
 the body as near the ground as possilie
Whitit the blance of his orchard hal gat graulual ly failed, and finally yielded to the ravages
the worms, these thriee trees. selected at ran the w, trasted desecisely in the same mannee
dith the exception of the nailing, had alway been vigorous and healthy, furrishing him at
 calto of iion funnished by the nail is offensive to
the worm, whist it is harmiess, or perlaps
benefciail, to tohe tree.
" The oxidation or punting of of iron by th
sap, evilves ammonia, which, as the sap rises,
will of course impregnate every part of the
filine and prove to seevere a dose for the foliage and prove too severe a
delicate palate f intruding insect:"
The witer recommends driving half a dozen nails into the thecunk. Several experin ents of
the kind have resulted suceessfully. - Southern the kind hat
Planter.
[Walking a few days since through the grounds of a friend, an American gentlean, we were quite deilighted with the rich profusion of blossoms on his fruit
trees, but we wondered to see stuck up trees, but we wondered to see stuck up
among the branches of a great many of among the thanches of a great many of
them lengths of old stove pipe. This, he them leng, was to preserve the health of his trees and to cause greater fruitfulness.-We have not had an opportunity of knowing the result of what was to us quite a
novel thing in arboriculture, but the above extract from the Southern Planter shows that others also believe iron brought by certain means into contact with fruit trees, to have on them a benefieial influence. All
are familiar with that law of nature by are familiar with that law of nature oy undefined inluuence over the vegetable.Salt is a great fertilizer, hut weould, if uies in undue quantities, destroy all vegetation.
The soil, beneath which the most valuable deposits of ore are concealed, is comparatively barren, but may we not reasonably infer that metals, if not in undue propor-
tion, would cause fertility and not barrenness. In the two instances mentioned iron seems to be used not to make fruit trees more fruitful, so much as to ward off diseases from them. But this state of
natural yood health brings with it that natural yood health brings with it that
produetiveness designed by nature. Tol ill things having life there has been giveu the means of propagating their own spe-
cies. The state of unproductiveness is a cies. Thestate or
state of bad health.]

With us the value of the apple as an article
food is tur of food is far underrated. besides containiug
 acids, aromatic quaitites, etc., which act
powerfully in capaity of refrijerants, tonics and antisepties; and freely used at the season-
of mellow ripeness, they yrevent debiity, in-

 tives on oerly as notrishing as bread, and far
apples ser so than potatoes. In the year 1sol-
nore Which was a year of much scarcity-apples, in-
stead of being convertec into cider, were sold to the poor: and the latorers, asserted that they could "stand their work" on baked ap-
ples without meat; whereas potatoe diet re-

 nations. The laborers depsid upon them as
an article of food, and fitquently make a


 great, and
Journal.
Curculio on Plums.-I have seen various methods for keeping these insects of
plum trees, but none so simple, nor yet so plim trees, but none so simple, nor yet so in seveetened water until thoroughly saturhe trees alittle while after hlossoming, beny sure to burn the cobs atter the truit
ripens, as they will be found full of young ripens, as they will be found fullo of young
insects. A good plan is to change the cobs insects. A wonks. My theory is this:- - that
every few weeks
the the insects deposit their egss in the cobs in
preference to doing so in the young plums. rreference to doing so in the young plums.
The first season I tried it upon one or two only, and in the summer was rewarded by a Yood crop of as fine plums as ever ripened, While those on the other trees fell oft when
about half yrown. Next spring found about half grown. Next spring found
sweetened corn-cobs dangling from the imbs of all my plum trees, and the summer found them full of delicious fruit. I have never known it to fail, and I hope every One who has a plum tree will try
M. S., in Germantown Telegraph,

## FARIMEIR'S ADVOCATE.

 to Lincoln county, we saw quite extensive
tracts of splendid pine woodd, the trees stand
ind
ind vert thick, nud runnin tup straight and tall. Tiere weres several lots belongrigg to diit acres in extent, and from some of these con-
siderable quantities of timlere are nuvy being cut. Years agot the oland untipon are nuint this pine
 Wiscasset, shipeevere to the West Indies, and brought back filed with molases. Nearly al
the latrge aks along the casts. were used fo
this thiis purposese and the .ground is note uspoducior
a arowith of piutes. Mr. David C. Pottle,
 hy topis oos small
ty and sixty feet



 paid for their trouble. Benoid these facts, and
let sonue of vour waste


解orticultural

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 Wet with morrin
veffectual remedy







The car base moth has already made its


 s.

Among all the winter-1 Tou








 The prudent, "canny Scottehman" al-
ways thiuls of layng up, in store for rainy day, though as yet the need of it
may be uinsecn and distiut. sin would we have the minuls of our readers well storee
with asticultural anil horticultural lore before the time comes to put the theories in practice. Bear then in mind the friendily
hiints and counsels we give you from timu to time, though some of thiem may be iu advance of the time for foliowius bine ani
vice, as is this extract from sceence and
lectlh. Hecilth:-
GRapes A.D Their easy culture.
It is suprismy that

 taste it dunning the season. There is a com-
noon inmeresion hat to cultivate grapes per-
fectiy


in an hour how to trim and nourish vines ; and $\mid$ is the scarcity of laborers. The Colonial if instruction cannot be obtained from somed
experienece cultivator, there are books filtd
with cuts and illustrations which make everd


 hany a bushisil of delicicious grapes every year.


 duet will be abuldant 1 l is well to lave
vines planted so that the waste liguids frou


 cover larke baildings, every runcis baring
fruit. We say to our readers, plant vines.

> sucerss witu flower serds.

If the following simple rules are attended to, suceess is almost cerain in growing Hower
froul seeds.
But if negleted tallure is alfiven seeas.

1. 'The seeds s.ionld not be sowed until
quout the ture of planting eucumbers and putting out tomatos. If sown wo early, the frost will destroy the choicest varietiess.
2. Cover the seeds mith fine dirt, and ouly
 3. Stade the bed with a aboard, or nu some
other way. sprikike on witer every day un-
lesw

 sun. But still coutinue to spinkie the bed
every eveniulug or early in the morning, until the pantst gela a hitue strength uf root.

 | we like |
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| ion. |
| ion. |

ditctelantous.


Frar.mer, Fredericton, N. B, says shat hie wi-
rectors of the Riviese du Lup Rail were informed by telegraph that 130 men had leit the Sheetland Islands for Glasgow, where they will embark for this province to work on the railway. We learn from
the same authority that railway will be completed and ready for tratific beffore the end of the year, and nothing but scaicity of laber cat possibly
prevent the road from being conpleted within the time specified in the contract. A large body of Swedish emigrants ar allo expected in the provicess.-In all parts of the Bomimion labor is in great de of prosperity. We consider the sublject of emigration as bearing incideutally on ayriculture. We sometimes feel the wan
of help in our farming operations an of help in our farming operations, and wo
are convinced that the more the wilderness is made to give way to udvancing civ ilization that always marks the foot trintu
of the tillers of the soil of the tillers of the soil, so much more
will be the progress of our country will be the progress ot our country in
wealth and power.] A.T ED. ${ }^{\text {St }}$ $-2$
We LeARN from a correspondent of the urers of Canada are likely to meet with good market for the products of our Country in the United States, notwith contend with. A commerciel lave ow in the west has succeeded in in effocting sales in Chicago of the products of the Hespeler worsted mills, at remunerative prices. The duty on these gods is nexrly ala, but as there is nothing in the Ameri can market to compete with them, they can be bronght to Chicago aud sold at such a price as to leave a fair profit to the
manufuctiver. This is a matter of im. portance to others besides manufacturerd tor as the business increases so will the market for Canatian wool improve. The hespeler Wailed for their durability, and the wool of Canada is peculiarly suited to it. The present demand for wool and the high prices paid for mut-
ton are such as to make the raising of heep very remunerative. As farmera, we rejoice in the prosperity of the farmer and merchant. We are glad to recorl the prosperity wat watch with interest the onward adyance of every branch of inluslry. We believe that if they to whom is entrusted the control of the antrairs of the
Dominton be worthy of the honorable dition to which they have attained, Canada will ere long be, as her natural re-
sources entitle her to be, one amonk the sources entitite $\qquad$
No mortal living knows the amount of proIIt the are of ashes. How often do we see
newwaper accounts of fires, oricin unknown
 That we have numerous incendiary fires thero can be no doubt, but it is my honest c onvic-
tiou that more than half of those firese of untion thal tiore than haf of incese fires of an-
knuwn origin, charged to incendiarisut, are really he tesult of tarelessososes with ashes.
Whn of us
canlut call $t$ to mind many in stances where buildings were either burned or lad a mail-lreatert escape by fre from ashee How often has such ia fire been discovered bareHow oten has sician ine beend ciacovereded bare
ly in season tus save the entired destruction of the Fuilidiny ? Yet with a knowledge of these casees
and tius danger thereof it is surprising to see and tite danger thereof, it is surprising to see
how many continue such carelusespess, often remindidg the writier, in his insurance surveys and ferretiug out the ashes deposit, of the case
where he found a p ile of ashes on the floor of
 respecting them, was told that they usually
kept them in boces, but the box was wanted, kept them in borces, but the box was wanted,
and knowing they were cold, they were turned and knowing they were colid, thes were turred
out, As hay hable
Ale out,
min,
wiit buildiugs, that those ashes were probably safer
on that yarlo floor, which $I$ Ituidk it now is, than where thiny are pputing them, as in camo
of fire from tiem it would be discovered quicker

suine the builings, With a tew bricks or armero of ordiary tuleat e.n constructat seceur)
 bitherer raningen inst in it in muth setere to to put








## the rivebs of the nobth-west







 Summoia have iz, i, oos mintes of it witer way, the the
 Nothing caid posesibly more impreaed the

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herbal superstitions. A firm belief in the occult powers trees of the forest, was once a popular superstition in Europe, and even at on
tine had its learned professors. "Th most popular system," says Chaml/ers
Jnurnal, "was of course intimately connected with astrology." Every plant was
supposel to he under the influence of a supposed tond cach planet reigned paramount over a certain part of the human fame;
hence the herbs under its influence wer lelieved to supply the proper medicine for
all diseases of that portion of the body all diseases of that portion of the body.
Another method of detecting the virtues of the plants was by "signature," and wa
founded on the idea that "Nature ha stamped on divers plants legible characters, to discover their uses., To yellow
Howers were held the natural flowers for
the relief of yellow the relief of yellow jaundice; spotted herbs
were distilled for the removal of freckles and the tooth-like shape of hrnbane sced
was sufficient proof that the juice would wase the toothache. The medicinal properties attributed to some plants by the herbalists are indeed astonishing. Ac-
cording to an old work on this subject, "eyc-bright wine" will not only enahle oid people to read without spectacles, but
has been known to restore sight to the blind; valerian juice draws irou or wood faded beauty, and a single spoonful of the juice of the mallow is a preservative forever from all diseases : Rue renders a
man subtle, quick and inventive: man subtle, quick and inventive; sage
strengthens the memory, and rejoices in so many virtues that one of its pauegyrists asks, "How is it that one wh
in his garden can ever die $?^{\prime \prime}$
$\left\lvert\, \begin{gathered}\text { in } \\ \text { in } \\ \text { So } \\ \text { by } \\ \text { th }\end{gathered}\right.$

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## 1

"yer in much demand, we should think-
"to kill a ainst merrie máids," and another to kill a man in suche a sorids," and another seemed to die laughing." Two walnuts, together and eateu fasting, would pre serve against plague or poison for a day
Dogs, we are told, take grass as an emetic Dogs, we are told, take grass as an emetic eatiug dittany; serpents clear their eyes with fennel, and have such a horror of the ash that they will rather go through
fire than pass under its shade. Adder's tongue, put in the left ear of a horse, will make him fall down as if dead, but on its removal he will become livelier than ever.
Mandrake, "that procureth love in poisonMandrake, "that procureth love in poison-
ous philters mixed," bore in those olden times a fearful reputation. It was said to spring under the gibbet from the blood of
malefactors; to resenble the human form nalefactors; to resemble the human forin
in shape; and not only to shriek when pulled out of the ground, but to punish any man attempting to remove it with maluess on
death, so that it was customary to em ploy dogs for the purpose.
Omens and auguries of the future were elm or peach cast its leaves early, it was thought to prognosticate a murrain among the cattle; the preseuce of a worm in an
oak-a|ple was ominous of scarcity; a fly of plenty; a spider, of mortality. A fir
tree struck by lightning prefigured its
owner's speeuy deatn.
rhur husbanas bee

| sin evers ine |
| :---: |
| Such numb 8 as |

 Sluxiar the chimey them they st, and that Thiat frist fotht fypunt dot
At midsummer eve, equrrayeons maidens wencing as the clock struck twelve, to run round the che singing:-
and
"Hamp peen 1 gow

## He thatis

Having repeated the circuit a dozen
times, on looking beliud her, the lady
 seythe. The rank of a prospective bride petels of a daixy one by one, while repeat mug the formia, "Rich man, por man,
farmer, ploughman, the ot"- the last petal
of the flower of course disclosing the of the flower of course disclosing the in-
portant secret. Doultful swaius carrie "portant secret. Doubtrul swains carric the flowers grew in theirstrange depository, it was a sign that success would crown
their wooing. such were a few of the influences ascribed to plants and flowers in and ideas have changed, their real, ennobling and beautifying powers still remain, to Him who gave them to us, enlarging our ideas and beautifying our lives, for as surely as we are God's children, so surely are
these lovely flowers that He has given us His smiles upon the earth. P.A.S.
Ottawa.

dry, adding a little from time to time as re-
turuing hath and growth appear. I I have some fuhsias and geranium s that, through
neglect last summer, beame sik y and dropped hitir leaves; but, by pursumg the above methoo, they have betll entiry resto
health, and are at this date in full bloon.

> plovging matches.

The Proviucial Agricultural Asscciation las made arrangemelts for two grand plough.
 the other within the same di, tance of this city.
The sum of $\$ 400$ will be distributed at each. We are unabie to state if other imple-
nents will be putia cumpetition. There are ments will be put in competilion. There are
several other implements that night be put in operation at such a time, ard five farmers an oppurtunity of judingy of their menit.
It nuight be well for m nufacturers desirous if shiwing the workiug of their implements to equire of the Stcretary at Turonto as
to whether opportunities will be afforded for to whether oppo
such a purpose.

## Ohio Fair

Mr. S. Thomas, of Oshawa, called at our office on his way from the Ohio Fair
held at Tiflin on the 4th of June. He carried off all the prizes in Devons,
amounting to $\$ 180$; also the 1st and 2nd prizes in ayed rams and yearling ewes, 1st
in Berkshire sows, and 1st in Berkshire boars one year old.
He reports dull sales of stock at the
Exhibition, but speaks highly of the fat cattle exhibited, one man showing 16 bead of cattle, the average weight of which
exceeded 2(ou) lbs., each one weighing exceeded
over 2,300 . They were from three to four
and years old, a
never saw,
qoultry.
Field:- B. Tesetmeier writes in the London The fatal liscase caused by the presence o
he a ape worm, appears unusully prevalent. I have had it me my "wn runs, where it has at-
tacked some Sebright ban ams; but, I have
fourd no dificulty in curing it by the meal s of


 It i, not even necessary to employ any special
apparatus a few drom sf carl, ilic acid may
apaced in a spoon and he:d over the flame of $a$ Wact in a spoon and he:d over the flame of a
candle until the vapor is seent trise. when the
head of the young clicken or pheasant (held in

 secon be seen runniug aloout quite well on the
mate the
following dav; if not, the tre tment should be
 repeated. the me try li
ferable to the trans
sewers and drains.

The last requisite in the shape of diet is a
ang
regular supuly of green food. Here. again, fowls kept on grass will need no att intion; but
for the burds pennel up the daly provision of it Is an absolute necessity, thourlh must beginers
ise ignorant of it. We well remember in our
are are ignorant of it. We well remember we ould
early experience. how our fowls died, we could
not at first tell why; and oue fine buff Cochin cock, whose only fault was a strong vulture
hook, was, in particular, greatly refreteted. An experienced friend let us into the secret;
and after that we had no difticuly in keeping
and
 flat-stones. The best stbstitute for natural
grass in $a$ large fresh turf thrown in daily to each
graw or five hens and even in towns it is often f,ur or five hens; and even in towns it is often
possible to procure this, by fiving children a few pence every week no allowed to be taken, gras
Where turf is not
may be cut or pulled; but in this case it munt be cut into green char Ilan is how we actually
machine The liter liter
managed for years, in a a yard only 67 by 35 fet divided inio six pens; pay ing some child a few
pence to ring fresh-cut gras daily, cuting it
up and mixim it with their soft meat.- Wriwht's up and mixing it with t.
now Work on Poultry.


## Correspondente.

## SUGGESTED ITEMS.-No. 4.

 You copy an article from the Green Co.,Wisconsin, Republican, drawing the atten tion of farmers to the last clanse, it being not very flattering to them. Every tree i
known by its fruit, and I suppose towns known by its fruit, and I suppose towns
people look at a farmer, when he comes to people look at a farmer, when he comes to cause he is intent on getting through hi business to get home again to the place of
love and happiness, and away from the tight-fisted, narrow-souled counter hop pers; they see his large hand spread out any amusement; they see honesty imprinted on his face, on every featire, and because he cannot talk as fast as them, he
is not social. Bat let our city friends come home with the farmer. As they draw near
the farm they see young colts capering the farm they see young colts capering
through the fields, lambs playing, gree glades and grassy dells, where herds are grazing, where the breath of heaven is pure and free, sending life and health
through every vein. Compare this to the theatre with its pestilential breath both for soul and body. I do not speak of the farmer's home at all; there is no use in
comparing it. Everything ahout a farm comparing it. every life gives health, wealth and happiness. Horace. Rockton, April 16, 1872. [We must apologize to "Horace." Our
printer should hare insert-d his communi ation earier. We repret to have to lave out part
f his ietter, as it it now too tate for the valu-
ahle sumpestions iven. We hope it will wo able sugyestions given. We hope it will not
discourake Mr. H. from writing aagain, as we
dist
will do our utmost to satisfy our valued cortes$\underset{\substack{\text { pondent.] } \\ \text { pill our }}}{ }$
m'carling wheat.
Sir--The McCarling Wheat I received from you tas done very well. 1 only treal
14 lbs., aud the yield was 7 bushels, all
sown this year. Princeton, May 28th, 1872.

Dear Sir,--Some time since a com-
pany of seed merchants, in one of the neighboring cities in Ontario, favored me the year 187\%. It was a very extensive and neatly executed volume, with many illustrations,and I felt pleased to be the re-
cipient of their kind favor. But of course they expected something in return; they expected that by publishing their seeds
they would get them sold at remunerative pices. Amongst other things, they adver tised to sel as, viz: - per peck, $\$ 1$; per
certain prices According to their own terms, I
bush., $\$ 3$. Act sent them one dollar, and ordered one peck of. the potatoes, to be sent per express.
Of course you will say they sent them on receipt of the price. Oh yes! in about ten or twelve days after, I received a package coutaining three potatoes, "aiso a lacouic
note, which read thus:-" Dear Sir,We send 2 lbs. Bovina potatoes; our stock
to sell by measure was exhauisted fully six weeks aro. We hope they will meet your approval. Yours, \&c., chants would be justificd in pursuing such there are Gopounds in a bushel of potatoes, and of course there should be fifteen pound advertised to sell, a bushel tor $8: 00$ and at the rate they charged me they would cost
$\$ 30.00$ per bushel. Now, it they can gloss this transaction over so as to wake it apmy money in advance, to cut me short thilteen pounds in a peck of potatoes, they must have an old method of dealing with
ceistomers at a distance, and, contrary to their hope expressed, it does not meet with
my :iproval. If, as they stated, their stock was exhansted, they mighthave condescend-
cd to communcate the same to me before
sendnur me two fifteentlis of what I them for, and that poor, miserable, lame ex-
cuse for so doing. There would have been
some show of honest dealing if they had written to me and stated the case as it was, and asked me what I would have instead of 2 lbs. of potatoes instead of 15 pounds or the same money. autioned the public, through the F often DVocate, to beware of humbugs, and to cultural Emporium. Failing in this, I verstepped the bounds of prudence, and paid too dear for my whistle. By insert
ang the above you will greatly gig the above you will greatly oblige the
a SUBSCRIBER.
Maidstone, May 6, 1872.
[The writer of the above communicarule is to give insertion to communications rom subscribers to the ADvocate who
rive us their real names, we publish ive us their real names, we publish
t. We hope he is under some misappreension as to the true state of the matter he complains of. If the potatoes were sent
by mail, the expense of sending them by mail, the expense of seuding them
would be no little item in such an account. We cannot think

- bun

Sir,-I have tak-n your paper the last four years, aud like it very mach; it is welcomed
by all the famly as a friend. I have been
ty
 They know so anch about every thing in gen-
rail, and ag 'culure in partucular, they don' want to know auly more. Sir I I asked on
nan if he would not like to take the ADvogate; he told me that he knev
mure about farning than all the fine writers put togrther; that he was
bought up in Engand, where they did farm-
ins ill style. iny in style. Nuw, sir, I consider this same
man one of the worst faruers I ever saw. wish, sir, you could see his firm, and if you
did not think as I do about it, I would admi What I was mistaken. JoHN
West McGillivray, June, 1872.
P. S.-I send you a subscription list of six uew
closed.
Machive oil.
Sir,-- I herewith send a receipt that may,
perhais, be of value tu some of your readers:

 sawint machinex, or, inded any other mar
chinery. By clianging the proper ins, it can
be made thickir or thinner to suit the requirements. I have uset this ofl for some time
and found it superior to any other and found it superior to any other. I Id
think this is shown or used in others.
sire no, patent on it. Anyone can wake it. Waterdown, Anyone can make it. We are always thankful to any of our subscriters who may furuish us with in cormation that will be of service to the worth 10 times the price of the paper to orth 10 times the price
 have come ato this market from Canadiai
sources, you will see how very insignificant
the above figures appear.
Well it may be replied, what about the Well it may be rearlied, what about the
future? May not the number be largely augnented ? Not the number be lhe following considera
ana
tions, and then form your own judgement tions, and then form your own juagemeat.
lit, why were these imported at alll Not, i
In . 1st, why were these imported at all Not,
reply, that they were better, ou cheaper, but
oowedly to bring down the Canadian market repy, edly to bring down the Canadian market.
avowet
Did it do so ?
Not at anl, at all events not To auy perceptible degree, and the parties wh -o my certain nownedede it resultedin hething porters, as a matter of fact, could have done
better here, both in quality and price. 2nd ex ept in extraordinary seasons it will neve
pay, and even then. 3d, supposing that there is a large margin in favour of the importer, it would be far better for iim either to buy the
product in the western markets, or pack there product in
inself.
This ari
heavy freight to pay to bring his live hogs
Che has West, andon, the through freight to English war kets is much about the same from Caicago a
from London, though the distance be mued greater. Thanks to railway competition for
gis. I don't know that I need add anything guire any Canadian packers to put on the Allerican protuct, an Alwericali brand, as it is
fact beyond di.pute that our Canalian meat a fact beyond dispute that our Canalian meat
is superior to what westeru is, or can be, thid
this is superior to what westeru is, or can be, and
this app inies ext cecialiy to our Loudon meat,
which takes hy her tion higlest position in the

 tion, the prompt and earnest attention and
action of Cana ian farmers. Let Canadiai
frmers not trouble themelves about outoide Hruers not tramble themselves about outoide



## London, May 30ch, 1872.

We thank Mr. Jepsou for his kindness in furnishing us with the information aud his opinion, as no one in this city is better differ with him in some respects. The facts are these :-Canadian pork is
worth from $50 c$. to $\$ 2$ per $1(1)$ more than the American pork in the European marIt ap It appears to us that the Americans price on their pork, commencel the dodys
of inporting it here in and tering it, and seudiug it out as Canadian pork. This, if allowed to continue, would increase, and act injuriously towards Can-
adian productions. One dollar per hundred adian productions. One doltar per hundred tity of pork we raise is taken into con
sideration, and too much for the Canadian farmers to loose to suit the Americans. The principal importation into this city was made turiug tie summer of 1869, and
we then wrote against it. The parties
who first commencel the operation ceased the following year, but from what we hav privately heard, we fear that it is con
templated to extend this American impor tation to a greater extent. We believe, it is allowed to continue, that it will in
jure the price of Canadian pork both in C.nada and in Europe. guard against what is undeniably an th ferior article from being passed into the markets of Britain as a Canemian producCanadian pork lias so justly attained.

To the Editor of the Farmer's Advocate. Sir, - In taking a drive last week I saw an
uunsual nuuber of caterpillars' nests forming
 reacht pole sulticienty ling, to ellable you to
reithest branch, drive two shingle
nailstrough near the end at right angles; close to them wind rags to make a swab; dip
the swab in strong lye; put the point of the
pole in the nest, urnugit two or three times; pole in the nest, turnngit two or three times; way; the lye will kill the worn iastantly Yours, \&c the tree. Yours, dc., Joseph Pierson.
Hillin Co., Prince Edward, May 28, 1872 The last two valuable communications were received after our June number, went ve press, and as they are of importance, on Agriculture was sitting at Ottawa.

> TEN YEARS IN BER-KEEPING.

Sir,--Tv instruct new beginners in managing
bees, my experience, perhaps, might be of sees, my experience, perhaps, might be of all my life. In the old way of managing in box hives and hollow trees, taken from the
woods, mysterious things would take place
somet be accounted for. I recollect, many years ago, nearly all the bees in the country died in the
winter, and no cause could be found, while winter, and no cause could be found, while
hose in the forests sent off swarms' which stocked those having no bees. About twenty yeass ago, a swarni canue under iny manage-
ment, whish doubled itself yearly without any
uifticult, ifficully, a ad a late swarus or two to take up, Beekeeping was very pleasant in those days speciany in swarming time, when the hiru
vould biow, and all hainds would drop work, to rattle tiin pans and cow bells, but those days
have passed. Ihen years aoo it was my lot to ave passed. The years ago. it was my lot to ep perented with a hite swarm if bees, the
live being made durins tice time bees would
lant on a tree; this suck contuined
 hive and eluclosing ne becs, , leaving openges
for air. It being hia ch, the travelling was ronch ; on beivg opened they were fed with
sticks if eandy, and troughtit through safely the hive bends anail, it swamed in due time;
a good mive was - ealy for them, planed inside

 Nuad was the sleet closing up the opennys,
and occasionally a queenless stock; to remedy thid eccasionally a queenless stock; to remedy
his, better hives weer required; frame lives
were thoulht to be needlessi, aud imprived beewere thought to be needless, and improved bee-
hives were stu
itid up ; a slantiur, bo tum
 "as found to be arainst cont-building in ccot
weither. The introuluctinn of Itailin bees weather.
made frame hives anecissity ; but patent hives
are to be avoided. This caused ingerions are to be avoided. This caused ingenions
ninds to study the requirenients of bees and their operations. Many, devices were tried,
and many points gained; but, $t$ ) build a live adaited to the bees and convenient to operate, is not the work "f a day. But the time hav-
mg arived, and the plans being natured, hie
work cummunced, alid a live was cumpleted, with the p.int not yot dry, and the beeviniroduced, which proved a s!ccess. But it was
without a name; why not have a name and a
paient fur the hive? Surely no man would attempt to send out an improvement without Wd their own improvenents afterwards. This the public must judge; athorough understand-
ing of the aricle in question is the only
criterion to go by. I'alianizing las been the criterion to go by. Lriatizing has been work
great test un be-lives; many hives work
very well iu the shop uliere they are built, year, in all conditions, it is then you will
ind a beehive s not alws a live fit for mise. loo oo back to the first Italian queen-cell inwith fear for my young queen. If she siould
 after inany weeks anxity. But try again; ntroduced, and hatcied uncer ani conditions,
and the hives remived to apiaries, where Italian drones were kept for the purpose of
meeting on their bridal tonte. To satisfy meeting on their bridal tontic 10 satisfy
curiusity, a queen was inported from NNw
York, bred fiom queens direct from Italy; York, bred fiom queens direct from of June,
she arrived by expres on the 17h of June
1871, in good order and good charges, several 1871, in good order and good clarges, several
companies having the honor of handling her
and fifteen per cent duty added to the first cost, making my queen one to be res-
pected. I paced her over a stock intended
to be divided when she misht get scented and on Mond wh, the 19th, preparations for
ane work bein, nade, puting on veil and
nitts, after sumokiug lightly, four trames weit mitts, after smokiag lightly, four frames were
taken with young bees adhering, allowing
old ones to go on the wing ; two more cards
were added, making a small stock; contracting my hive, which is specially designed for the
purpose, the queen being placed on the combs
among the young bees, and tonched with a
 day, I had the satisfaction of finding her
etgs deposited in the centre of the hive; in
three weeks the young bees made their apeviree weeks the young bees made their ap-
pearance, of the real shanmy color, alnost
pransparent, several queens were raised from transparent, several queens were raised froun
cards of coub in the earve state; after divid-
ing stock, and piving them four days for the larve to pass the stage' of being formed into
queen-cells. Divide hees with caution; the
past winter las tanght us a lessin long to be past winter has taught us a lessnm long to be
remembered. None but strange stocks are remembered. winter but strange stocks are
fit to go into winter quarter; young bees are
he only ones that can survive the winter; old ones must die, seldom living over eight
months, and unless young bees are bred
mont nearly every
must go down.


We are indebted to Mr. Brunton, Secre tary, factory account of the second meeting of the Pleasant Ridge Farmers' Club:SIR, -The second monthly meetiny of the the
Pleasant Rlidge Farmers Club took pace last
Saturday evening, in the Pleasint Ridye Saturday evening, in the Yleassint Ridges shool
House,
Presidech was well filled. Mr. G. Tertune pied the chair After the minutes of the previous meeting
were rad and passed,
discuss the Club proceeded to discuss the question,
ing Pay Mr Mr 'trune epened the discussion
by saying that when land was by saying that when land was foul, sumume
fallowing was the only practicable method cleaning the soil open to the Caniadian farmer,
Where alar was less expensive than it is hoed crops would doubtless answer the same
purposese and enable the farmer to raise a cre putpose, and enable the farner to raise a crop
invery year. The only disadvantage resulting
trom from summer fallowing, was that the land lay
ide for a year; but he had always found that
the increased yield the incrased yield compensated for the out.
lay. The most successful wheat-grower he ever
knew always summer fallowed for fall wheat, and generally plowed four times. Mr. R. A. Chatterson thought that some
land would produce wheat with very little
tillage, but most soil required thorough work-
ing. Some recommended once plowing and
 had been plowed at least three times. Fall
wheat usuany grows evy well on clover sod i
the land is clen-oalso alter beans and pead Mr. S. Fairchild had found that different
soils required different' treatment.
On clay Boils beque grass when plowed under scarcely
ever becomes troublesme the first year, but on sand it grows up almost immediately after
plowing. Nothing but summer fallowing will couch yrass on any soil. ur the land is imporYor the growth of fall wheat. hin summer
fallowing clay siol, it sumetimes hapens that
the land is worked up tuo fine, and the wheat winter-kills. F'all wheat always withstands the
winter best when the surface of the soil is coved a piece of clay land. a few years 未oor which
became too fine and winter-killed, yielding only 5 bushels per acre; while a piece of wheat
alongside, sown on pea stubble, yielded 30 bushels per acre.
Mr. Ballachy was of the opinion that
summer fallowing was the cheapest and most summer fallowing was the cheapest and most
effectual method of ridding the soil of noxious
weeds and grazses. One reason why we so weeds and grases. One reason why we so
often mised a catch, of clover was becuase
it was choked down in the early part of the summer by grass. If laborera were nore phent
ful the land could be kepte clean with hoed ful the land could be kept clean with hoed
crops. II the land was free from couch and
blue grass, fall wheat usually succeeded very well on cloveys
unlr. the land was perfectly clean, plowvery good results. Summer fallowing not only
kitled weeds and grass, but it enriched the soil.
By exposing the land By exposing the land to the action of the
syn, air and frost. many of the elements of of
plaut life, which before were locked up in the fallowing ade available as plant foo Summe frulowing also enables the land to retain mois-
ture much longer in a dry season. If the
wheat is to be drilled, the soil cannot be work-
 crop. The expenue might egreater, but the
hoo. crop would more than counterbalance the
differencinee. He had alway found that a
Bood crop of clover plowed down wan botther scarcel
left
would
would
plowe
times
han either
owing.
Mr. McIn
ased Mmill owing.
Mr. MoIntyre thought the reason why we
aised smaller cropopo fall wheat now than
ormerly was becouse we paid lesas attention to
one preparation of the soil. Gravelly land he preparation of the soil. Gravelly land
nust be summer fallowed in order to make
the growth of fall wheat a paying business.
Mr. S. Chatterson remarked that he had
 ed by the speeches of the preceding members.
He had alvasy found that the grand secret in
ra sing wheat was to get the material into the re-sing wheat was to get the material into the
soil A few years ago the midge reduced the
yield of wheat so moch that summer fallowing
scarcely paid. Now that when the pest had plowed in the fall, cultivatel two or the thre
times in the spring, and harrowed well, and
sown with Hungarian crass, millet, buckwheat sown with Hungarian grass, millet, buckwheat,
or anything which would produee good manure
when when plewed down inthe fall. Great care muss
be talsen to have the land thoroughly clean be
fore sedid fore seeding ot down with clover,
At the olose of Mr. Chatterson's speech it wae Aecided that the question for discussion on the
ftrst Saturlay evening in July should be,
"W Would a protective tariff benefit the farmers SII, Having had the pleasure of being
present at the debate of the Pleasant Ridge
 it leaves me in a position to give a brief ac
count of the proceedings of the meeting. Pur
suant to notice through your colums, there
assenbled a large number of farmers of that suant to notice through your columns, there
assenhled a lare number of farmers of that
and surrounding vicinity, and at the appointed and surrounding vicinity, and at the appointec
hour of 8 p.m., the Presendent. Mr. G. Therhne
took the chair, and called the meeting t order, after making a few introductory
remarks, cailine in otation one the following
hle and talented speakers:--Messrs R. and S. ahle and talented speakers:-Messrs R. And
Chateron, Balachey, Muirheed, Brunton,
Fairchild, and others, who expressed thenselv, Fairchild, and others, who expressed themselves
in favor of sumpurue fallowing, and each h thought
it not only proved a beuefit to the land but also it not only proved a beuefit to the land but also
added to the purse. It was decided by the
President that sumner fallowing did pay. The armers in that loca ity are setting forthi a good convinced that it would prove a great benefit oo the agricultural interests of Canada if sut,
orgaization were established in every shl,
section throughout the Dominion. A VIstro [We thank the Secretary of the North Nor-
wich Farmers' Club for his valuable communication with the President's address. We are
sorry to defer the pullisising of the later till
next month, as we have neary sutiticent copy
in the hands of the printers beint more than n the hands of the prineres, , being many of the
usually hurried this month, from mand
hands

## household recripts

 thet the stcam may keep them from getting
too dry too dry.
2. In be too juicy, sprinkle a little tlour over the rhubarb, in
the top crust.
Sir,--If you think the above worth insert ing in your paper, put them in, but if they ar
too simple, say nothing about then, and
wount. Wol't. A Housek eeper's Husband.
Storrington, June thi, 1572.

能givene.

have it thus, the cost of digging
deeper is of minor importance.
Hyprophoris.- - correspondent of the Chicago Tribune states that the poison from the bite of a mad dog call be eliminated from the
system by vapor baths. He quotes from an
articleprinted in a Paris medical journal by Dr Buis son, a celebrated Fredicha journal by bryen, who
says: "If the disorder has declared itseifif I pre scribe a single bath. and leave the patient in
unti a cure is effected Hydrophobia may last three days. Experience has proved to me
that a cure is certain on the first day of the nutbreak; ;on the seccond day doubtiul; on the third, hopeiess, on account of the difticulty of
conveying the patient to the bath aud keepig
g hin in. And as hydruphobau never break
out before the sevent day, there is tume perform a lung journey to obtain a bath
milk as a remedial agest. Considerable has lately been said in medical an intelesting articie upon this. subject that
lately appeared in thic Loadon Mill Journal nh wiich it is stated, ou the authority of Dr r Senjamin eedark, threat extent as a specitic ful
niili is used to a
liarrlhea. A pint every fuur hours will check the noot violent diarrbee, stomach ache, incipient chovera and dysentery. heated suth-
should never be boiled, but oniy
ciently to be agreably waru, not too hot to ciently to be agreably wariu, not too hot
dirik. Mulk which has been boiled is unt:
This writer gives several instances to show
The
the value of tha simple
the value of this simple substance in arresti.
this disease, among which is the following.
He says: "It has never failed in curing tue He says: "It has never failed in curing lue"!
six or twelve hours, and I have tried it, I hould think, fifty times. I have also given 11
to a dying man who lad been suljeect to dy sentery eight months, latterly acconpanied li.
ne contiuual diarrliua, and it acted on lini one continual diarricad, and it acted on way
like a charm. In two cays lis diarrl. w wat
gine in three weeks he became a hale, fit main gone, in three weeks he became a
and now nothinnt that may herea
ever slake his fuith in hoo mik
ever shake his tuth inn hot mink. A writer also commumicates tor tazele astatenelit of vevice of
milk in nwenty-six cases of typhoid fever, iu every une of which its great value was appar
ent. It checks diarrhcea, and nourishes aun ent. It checks diarrhuea, and nourishes and
cools the body. People sufferink from disease
require food quite as wuch as those in healt and much nure ss in certain diseases where
there is rapid waste of the system. Frequently all ordinary food in certiain diseases is re-
jected by the stomach, and even loathed by jected by the stomach, and even lazthed by
the patient; but nature, ever beneficent, hay
tion furnis
cial-
nilk.
Pille The writer in the jurnal last quoted, Dr.
Alexander Yale, after giving particular wid Alexander Yale, after , giving particular ob-
servations upou the points above mentioned, viz. its action in checking diarrhes, its nourish-
ing properties, and its action m cooling ihe body, says: :We believe that milk nourisies in
fever, pyomotes sleep, wards off delirium, and in fine, is the sine पum non in typhoid fever."
We have also lately tested the valutu of mik
Whe in scarlet fever, and learn that it is now re--
commended by the medical faculy in all cases
 during the period of the greatest fever, it keeps
up the streugrh of the patient, acts weil upuil ap the strengh ond in every way is a blessed
the stomuch, and
thing in this sickness. Parrents, remember it, ant du not far to give it if your dear ones ar,
antlicted witı this disease.- The Ilous ehold. Do Not Work the Boys too IIArd.--Ever
since boys were, men were inclined to abus: sine boys were, men were melined th alusus:
them. And the better the boy and the worse "put upon." The poorest tools are given to
him anid the most disagreable work. Did you ever know an averaze man who selected easiest ! Did you ever know a man who
would go wro water and let he boy sit down
wad reo in he held while lue was bun? and rest in the field white lie was gone?
Take Care of your Mealtin- - Few people
calize what heidth is wonth until they lose it. It is easi-r $t$ p prevent disease than to cure it.
The charicter of our ferues tis

 Now allt this requires brains. We are aware
that'there is a qreat deal of nousterise written
on this subject. But it is undoubtedly a fact
that a naai cannot long use his brain as an inteligent, enterprising American farner is now compelled to do, and work and worry at he same time, without abundance of nutri-
tious food. If he undertakes to do it on fat pork, potatoes, bread and cake, his health will certainly give way in time. The American
farmer of to-day needs and must have more resh meat. Better patronize the butcher than
the doctnr me docthr ; better sell fewer eggs and buy less
We have heard a farmer say
ancine. enough for me." He may have been right ;
but the famer who thinks, and works too needs better food and cooking than he who
neerely works with his hands.
flowers as disinfectants.
Lovers of the beautiful, as manifested
in the flower kingdom, will be happy at heariug tha flowers, instead of being un healthy in rooms, are, on the contrary,
disinfectants in disease. Professor Mantegazzo has discovered that ozone is do veloped by certain odorous flowers. $A$ writer in our clever contemporary, " Na
ture," states that most of the strons smelling vegetable essences, such as mint clover, lavender, lemon and cherry lau rels, develop a very large quantity of ozone
when in contact with atmosuheric oxyen when in contact with atmospheric oxyge
in ligit. Flowers destitute of perfume do uot develop it, and generally the amount of ozone scems to be in proportion to the
strength of the perfume emanated. Promarshy districts, and in places infested with noxious exhalations, strong-smelling flowers should be planted around the irum them may exert its pwer. So plea sant a flan for making a malarious dis-
tri.t salubrious ouly requires to be put in rractice.
look to your celiars
It is said that the summer of 1872 will
he greatly productive of epidemic disbe greatly productive of epidemic dismany of us from all sides Now, it is a
wractice of many farmers in the Northern States to bank up their cellars tightly in he autumn, leaving no ventilation and no hitnce or the efluvia arisnge from decaythe cracks in the rooms ainove. Is it any wonder that scarlet fever, diptheria, meathe practice? If the children are sick nd die, do not call it a dispensation of
Providence or lay the hame upon the Prold winter, but louk to the oellar, whence
cone trouble sirinys. If there are roten
the he trouble siprings. abbages, musty barrels, and all manner on disagreeable odors, do nut forget that whence the scarlct feecr mod mondes come from ; butset to work :und route out all The foulness which lies under your feet.
Take the harrels out of duors ; wash chem and let them dry; bury in the barn-
yard all decaying vegetable matter. Look oo the powk and the beef barrels; keep
them swect and cone Commence the work in the morning, when the sun shines warm and bright ; remove all he banking, take out the windows, throw open the
hatchway, and let the fresh ar blow
throush every part Carry out cecry box harough every part. Carry ont every hox
barel, and movable thing, and sweep the bottom thoroughly ; and not only the bot-
tom hint the sides and the ratters yout think thoy are clcan! The foul air, the lightest air, is settled there, pressing its way upwards into our roons, and sow1,neumonia and fevers of all kinds. So
take a thick l,room and scrab down every part; , give the sides a similar treatment,
and clean the whole cellar thıroughly; do not leave one aprouting potato or onion; all the vegetables are lvetter in the barn not easy work, but neitlor is it easy to oned suffer, to have no rest see our loved and finally to robe tbem for the grave.
Science teachen un that we now the

## FARMER＇S ADVOCATE．

seeds of epidemic fevers－sow them igno－
rantly，and then weep over the destruction that eusues，and call it God＇s doing When the Prince of Wales lay at the point of death，a few months ago，it was ascer
tained tiat his disease was contracted from sleepins in an elegant apart ment，poisoned with mephitic air issuing from a disused drain．His youth and the prayers of his family and the nation，save his life；his valet，however，lost his，and Lord Unesterfield was also a victim to the disease．In high and low places，me，mhitic
gases spread diseases，and the flesh shrinks an 1 withers under their fierce，baneful fires Make whitewash with one peck of un－ slacked lime and boiling water enough to thin it；adu to it four pounds of copper it thin enoath to spreat well，and yellow with the copperas．Wash every rafter overheal，an I see how sweet the sides or becom＂，and wiat a scampering of rats and mice will foliow．Throw bits of copperas aud parity every part of the the shelves， D．
own health and the health of your wift an 1 cint tren depend upon it．A family be afflicted with illness than a city family livins in a tenement baildiug．With plenty of pure air，water，and exercise fion their midst；but toul ceellass，iron stoves，stuall sleepiug room z，are last mak－ crowded city．Diptheria mhand thy as the fatal in the country thian in the city know of oue fanily where it carried to the and in annther family，four die．t in thre Weeks．The attending physician trated
the disease to foul draius，buit the parent s：officd at the adea，and bitterly bewailed the severe stroke recelved from the Divine traveyards，and this summer death will ertect ecessin reaper if farmers forget that perfect cleanliness in their cellars and
barns is essential to the lives of their familics．

Dettrinaty．

 move a lump or callus，swilling，etce，apply，a
time or tyo，butter of antinony，followed im－




 Wo not postl，wene until the sore is opencl． cured a valualle whrik horse wilh whe abo
modicine；and worked lium every day．
（xntomatoy！
The Colorade Potato Beerle．－The
ope that this destructive＂bug＇＂would not reappear this stasuin，is now gone．The inl Cannot well te tuo strongly stated．It cer any will be easier and cheap er to destriy
one now than hundruds two or thee mpitis

The Cimecu Buas－We rearet to hear re ports if the atyerance of Chinch buss in
many placis in Whiconsin．It is as yec to
early to tell what amount of damage may be early to tell what amount of damage may be
done，but it is certainly to be hoped that the anticipations of danger may not be realized．

## 

UNCLE TOM＇S COLUMN Dear Uncle Tom，－It is the first time that I


Rahk，arkh，teh glos od rabk，
Eth nitkres eahv ecmo ot tnow， Osme no angs，nad oesmn ni args，
Dau noe ni a veetlv gnow．

Reeth wsa a a lod ocordt fo Bleril，
Ne eegv lal shi tixixnents a lpil；
Ro lees rcue me diem ead
Sthi onwerd：ul otordc fo Bseilil．
Chatham，June 1st， 1872 ．C．Somerville． ANAGRAM．
The farmer＇s life is the life for ine
¢ own I love it dearls ；
 And everv m rining，full of glee
I take its iabor，cherily．
T，plow $r$ s，w，to reap or mow， Or in the barn to thresh，sir Al＇s one to me，I plainly see
，T will bring me haith and eash，sir． poetical anagram． Hanbeet a readsping lowilw，
Yb het wi l sputicic ditw Sa I thawe eth glultin fibwo Eha vine then rin joceed ite 1 ． Eht vinegen uns si kisngin
Raf hebind het soneac mo Hilwe no sayd oner yb m mains，
Dan ym etwes danacius mat ENIGMA
$\qquad$ Iy $7,14,17,2,18,9$ ，is wiat every huma Iy $6,1,1$, is aun animal $(\mathrm{A} . \mathrm{am})$（Evv）．
Iy $13,5,1$ ，is its greatest enemy． My $12,16,4$
My $10,5,4$
box；； Iy whole is what every farmer should have． ACROSTIC． June，with its pleasant thays，has pass＇d away
Until at lus，we see he full－gruwn hay； Let none be ill．e with scythe，fork and rake；
You know，while the sun slines hay we
must wate．， Battersea，June 6th， $1872 . J$. Lawsow． ANSIVERS TO LAST MONTH＇S PUZ－ exign acrostic．－Jun exigma．－＂Persevere and Succeed．＂ Concenied fruits． 1．Currant．－2．2 Pumpkin．－3．Tomatn．－ Correct answers liv T．C．Somerville，W．I
Flory，and O ．H．Gardiner． Perhap the best draw ing－roume．


 provided with a pencil and shect of paper，an
an word of numberate lustin thut will as man
and

 who makes most woris out of it it un liouglt of
by the rest of tiue company wius the bane．
Any word tanay be tixel ulun for this experi－
 not be names of places，nur perfect tenses，nor
particibies of veris，nor piral．ind they，mus
consist of no less than four letiers．Thus． consist of no less than four letters．Thus
supppese Cambridiee be the word selected，woul
it

 game，dear，bris，crib，care，braid，rute，care，
dream，dame，hase，sind，raid，hard，beam，

 attempts this game may be very cilever if he
hite upon half of theme withip the time allowed
 Nothing but practice can make ise perfect mint thit
amusenent，and a chill 1 who is acquainted wit it can ran off fify a chill whords，whis acquainted with a highly intel
lectual adult it comparitive rarity，gainser the victury，it mut but thei
Un duplicate that apyear
ing． ing．When the clock cancelled，and the do for noth
nonnctle－piece an
aody that the five minute mat
body aiounces that the five minutes are mante－oper，every any－
body is bunnd to stop，and then each declares
how many




 over，as the crup was in in conditi n to be badly
injured by the tramp of horses．He tespatch－
ed one of his boysto the tield．telling han to
to

 This the boy declined to，do statang the order
he had received，and his determination not
 as spokesmine but all with the same resalt the the
boy remained immovalue in his dit termination
not too or the gate Alter awhile one of
noble presence advaniced，and said，in com－
 you to open that gate．that， 1 and my triends
unay pass throuth．，The by lifted his cal，
and ston luncoverel and soon uncovere betore the man wiom all
kingiand deli litel to honor，then wnswered
firmly：－ 1 I am sure the Dukie of Welliugte
 keep this gate shat，n ir suffer iny one to，pas
but with my masters express pernission．，＂
Greatly Ineised，the sturdy old warior



 lingion．
Eiver：






In a storm at sea，the chaplain asked one of
the crev if he thontht there was any danger．
 twelve ocluek at nirght．＂＂The clapplai．，terri－
fied at the expression，cried out，＂The Lord A farmer gathers what he sows，whilst
ceamstress sews what she sathers． Mily ab Batoy．
 intend hola
cultural H．
July next．

Qua how lo kill quack grass Quack grass is one of the worst pests that a
farmer has to conten।l with，I think，but where a farm is kept for grazing purposes，it is not to be dre ded as it is where it is used more par－
ticulady for raising yrain．I have contende with a great many noxious plants，and co sonider nack grass worse than all others，Canada
histeles ot exxepted．Sumes writers tay that
deep tillage will teradicate it；but as I have deep tillage will eradicate it；but as I have
tried it，I can say from experience that it wwil
not do it．A Areat amount of it can be destroyed
 nany places，it is very expensive and fatiguing The way the most of the Western New York
farmers mana viz．：－As soon as corn planting is over，plow
he field that you wish to rid of the pest，about our or five inches deep，and then harrow the
pronnd thiroughly three or four times over ； after which rake the field with a steel wiretooth horse rake，and you willbe surprised when you
collect the roots that have been pulled out by
the harrow and rake．$W$ here ${ }^{\text {a }}$ fied has been
 or five inches below the sunface；；this is why $I$ why
do not advocate plowius any deeper the first

 ny word for it quack grass will not be as a bund－ nt as before

Measurement of Hat．－The Plowman
ays：－Un a snali seaff he bottom of a larze bay 400 feet make a nin；near the middie． 500 ．As a general

 gether，ther lugth in yurls，and divid．the
multipy the lage prond ict by fiften，and the quintinnt will 1 e
h．number of ons in the nuw，if it is well ＂Feed no straw th．t is rusty to your ani－
mals．＂says an exchanue．It is held tiat nust
 induces d．st mper，vitiates the boc，weay the ap ectite ；and op ins the door for e．li，thin
diseaves，swellings，and fevers．It is fit onty disenses，
or litter
J．Adams，manawing director of the East
 far as ware aware，is the hivhlest wrice pail
thi，seasou．1a tons are made daily at this

London Hiarkers－June 24 ． White Fall Wheit，per bus
F：eti Winter whitah Peti
Sprin
Barie．
Prats．
Oats
Oorn
Corn

 best Liun is acm，wledgeat the
 The manin line of the Route running to
Omaha，ecomects with the sreat Pacific roal and formstolday the leadiug route to Califirna
The minde Brach．enteriug Nebraska
 Kearney，fon mingthe silur est foute across
tomtinent hy over 10 miles
 Mlissouri through st Joe and Kansa，City and
all Kanses．Passenges by this roite o Kans
see Illinois，Southerrus Iowa，and Misouri，
by a light


 can reacia．
L mibuy will bers ware to remorber it，for
thev have friun th

 where＂Unc

Grea Trains leave
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