

VOL. VII. $\left\{\begin{array}{c}\text { WILLIAY } \\ \text { Editor and } \\ \text { WELD } \\ \text { Propridotor }\end{array}\right\}$
LONDON, ONT., JUNE, 1872.


| INDEX. |  |  |
| :---: | :---: | :---: |
| Editoria |  |  |
| A Trip to Ottaw |  |  |
| Afrrl Interests an the P Pst O |  |  |
|  |  |  |
| Pammentry Af |  |  |
|  |  |  |
| Farmers' 'Pic Nic. |  |  |
|  |  |  |
|  |  |  |
| s odtroury .................... 84 |  |  |
|  |  |  |
| Corop |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| Correspondinocs. |  |  |
| Horse Shosing. |  |  |
| $\xrightarrow{\text { Trial of Seds, }}$ Whintering Bes. |  |  |
|  |  |  |
| ${ }_{\text {Reet }}^{\text {Treatat Sugar }}$ |  |  |
| Nur M Morwich Farmers Clubs. |  |  |
| Arerser |  |  |
|  |  |  |
| torn |  |  |
| Tililing Burat Lands |  |  |
| Killing Cana ia |  |  |
| crlankous. |  |  |
|  |  |  |
|  |  |  |
| Sore Teats on tows. |  |  |
|  |  |  |
| What at. Amater |  |  |
|  |  |  |
|  |  |  |
| Li ${ }_{\text {r h }}$. Brauna Fowls (illustrated) 1 ditorial Nepa tment |  |  |
|  |  |  |
| Dianthus and Scabiosa (illustratid) Tup Dresising for Corn or Potatues. |  |  |
|  |  |  |
| $\begin{gathered} \text { ck (irazin } \\ \text { tains. } \end{gathered}$ |  |  |
|  |  |  |
| of Calves |  |  |
| Monthly Catte Fairs |  |  |
| Hysi inic Pratanent |  |  |
| Thate Enough Sleep |  |  |
|  |  |  |
|  |  |  |
| Nothe |  |  |
| Sisar Beets in Mew |  |  |
|  |  |  |
| Emporium Jrice List for JuneMarkets, Adveitimements, \&c.. |  |  |
|  |  |  |

- A New Hampstire urkey was acciden:
 Fort Garry.--A party of 500 em
and fireigner. It is our impression that
they are worth all they cost, taking into ac- Minister of Agriculture. To each of these count their grandeur and masyuificence; that
they will iumpress a ayricater didea of our im.
the
to coiucide iur a press, they appeared they will impress a greater sea of our in-
portunce, power and wealth on all who may
views. see them, and also tend to unite our country cultural papers might pass free. We re in closer bonds ; and that the money has not been altogether thrown away which
was expended on them. The sum really was expeuded on hem. The sum realily the very expenditure of it we think will tond more to the biuling of the country to
gether than any explenditure which nas yet gether than any expenditure which has yet
veen made. It is unity only that can make an independent nation of us:
is an good as can be tound the we think is ag good as can be found. We in the
west would like to centre business around us, but for the convenience of the other provinces and for safety from invasion, we think it much beter than at any poin
along our Western frontier. It is in the maiu chain of communication that mus unite the eastern and western extremes of our Dominion, and be our maiu route for
he commerce of the world the commerce of the world
the buildingo are situated is pleansing and grand, colimaudiuk, a tine pishtion of the Uttawa river, being at an elevation of be
tween (1u) aud 2(0) feet above the river the blufti is steep, bat covered with ceeari and other wood ; a brantitiful walk calle the "Lovere" Walk", lias been made on tiree gides of the elliff, neat rustic seats are
placed at different points alonk it it nea ioutain of Howing water is also placed in
the rock at one part of the walk. This the rock at oine part of the walk. This wat it is romantic and cominanus beautiful
as
The Chaudierre Rapils and the im mense lumier yards, of which we have try, are seen from this walk, and drom th sulumit of the liill. The bulldings, rive aud seenery lave to be seen betore they can be properly aumirad
a pleasure trip we would say: Go and se the capital of our collutity. Why should we a ways neeglect nir owa resortst to go $t$. others more expensive and less exhilira tiny?


## postage.

We have felt sorely the beavy burden hat has ueen placed on us by the altera
tion of the Postart A:t, till we continued hoping that our legisidators might in some of Canadian agricultural papers. As we have olten written on the subject without avail, ws concluded to go to headquarters and lay our atatements direct betiore th ior tant Midullesex, kiudly introduced us
to Sir J. A. Macdonald, Alex Campbell,
plied thats subs was not our desire; we.
ouly auked that arricultural papers inght only yat ked that agricultural papers inight as political papers, and that the country postmasters mighi receive the payment.
As the country postmasters receive As the country postmasters receive nothing
for delivery of prepaid natter, consequent. Iy they may not be as well attended to they might otherwise be, thus causiug loan to publishers and dissatistaction to wul Beribers
We a
mail at the referred to sending seeds by the States same rates as they are sent in late to outer the Act this Session, buat to anticipate a change for the better at the next Session, as they all appear inclined to aid agriculture if proper ways are only With swallows.
While in Ottawa we were surprisol at assembled in the evening about the Par hamentary Builuings. They assembled bout an hour belore sundown, and connueu their ilight in various circulatin, irection. They appeared to be holding a nass ueeeting, or a grand celebration of erhaps they had not read the notice hat we intend keeping it on the lat of July. No doubt some of them are trying o ottain favors, and others, perhaps, waul ich pickinks lying around. 'Their princi palattraction seemed to be one of the tall sires. Numbers of the Members of Par ament watched then with wonder an pleased ns better than a set of meunte banks and a band of music. We had ever seen quarter as many assembled to hou will be put in fur all the feathered cribe. They ncarly all destroy insecta that injure the crops, and the more birds we have the better crops of grain, fruits and roots we shall be enabled to pro

In pasting wall paper, especially it auocessive layers be put ou, there often arises
a disagreable effluvia, which is particularly nuticeable in daup weather. The cause is the decomposition of the paste. In close
rooms this is vary unheal thy and often the rooms this 18 very uuhealthy and often the sust ot disease If, when making parto, is whl keep irveh and free from olfensive sucils. a few drops added to mueilago er sucils. a few drops add
ink will provent mauld.

FARMER＇S ADVOCATE

The Provinatial Exhilution． This useful and beneficial institution wa undoubtedly establighed for the advaucement
of agriculture．The benefits thar bave ac－ of arriculture．The benefits that bave ac
erued foont it have been nealkulable；th
perambulatory syatena has been beneficia． perambulatory syaten has been beneticia，
has awakened an interest of rivalry and pro has awakened an iitberest of rivalry and pru－
gress，and has uddonbtedly added gieatily t．
the revenue of the Domition，in an indirec manner repayine a hundred fold the antoun of its cost．There is nothing that men con－
trive but faults tan be found with；crrors will oceur in every undertakiug．Errors have
been made in connection will this institution been made in connestion witn this institution，
and no doubt more will be pointed out and and no doun to remedy them．
steps taken
the object of the Exhtict greatest amount ot gondito the country；some narrow，surdid nimata may only lowk on the
Lalance sheet to judge of its success，nud would desive to see titwithalarge cash bance
to its credit anmatley，This stould by no means be of inportiacie；in ract，it shoula not own expenses． The present Board have evineed a desire to advance beyond their predccessurs in dong added to their expenditures by giving thit
 being free $t$ all all The fundt on thit Assucis－ bition takes place at Kingatun，so they have wisely 1 efrained frim expenditures this year
for a trial－of implemieats in the larvest field． how to anorease its uabrulesess． For several yeas：past attempts have been
ade to have the E Shibition deeld in Utiuwa mate they thave the beu met，with the most strena－ ous opposition frum the west．The westerv
farmers say the distance is too far，the ex－ farmers say the distance is tou far，the ex－
peanses will be too great，and the Americal
purchasers will not attend ；the Canaulians purchasers will mot attend，the canadians say，to go there．The Western mand facturer
alio make these coouptaints． alio make these comptaints．
ottawa＇s claim．
resentatives of the East say they The representatives of the East say they
have aus extensive country that coniributss
largely to the Assuciation＇s funds，and they largely to the Association fhare of the benetits accruing from these frnds；it would be agreater stim， thatsection than anything they have terer had，
and uniless they have it they will endeavor to separate themselves
their uwn Exlibitions．They will guarante that it shall be no losi to the Association if
they have the Exibibition at Ottawa．They they have the Exinition at Ottawa．They
are justy entitled to have it，and will have are justy entited to hat
every aceummodation for $r$ unt ind beast．The
ardestion will most probably arise again next question
intumn．
Hount it not be fair ant homorable of us to Gind the East and West stronger together and atwaken a spirit of progiess
canse them to establish lucal Exlibiticns，as Tansento，Hamilton，Lundou and Guelph now
have？We could have our Exiibitions just ha well．It is to the Provincial of these large lucal Exlibitions owe then origin．＂They have copied from it and
adopted its mies＇ant managenerit，and，as adopled its object is to do good to the Province，our opinion is that by taking the Provincal Ex－ libition to Ottawa in its turn，mure gond will
be donce than by keeping it in the Western rection．Further，we can see no reason the tities，as it i Well known that the majurity of theirmomes $t$ not go beyond 30 mies rom therir homes
ittend．
The interests of the furmers houl． be consulted quite as much as the interests
the manufacturers or stock breders．There need be no fedr but that the exlititurs will be
wherever the Exhbibion is held，to carry of the prizes．
They have They have q⿴od，well－eleclosed grounds a
Ottawa，and the stock can be delifered at the yrounds from the decks if the stcamboats． Two railmays are now runuing to Ottawa，
one from Yort Hope and the uther frum one froll
Presectut
We well know the expenses of the exhibi tors will be brater，and the time occupied in The distance from the grounds to the city and railway stations is farther than at other pla－
ces，stil it is our opinion that visitors will find niore accomedation in Ottawa than was to
found in Kingston．It may not be next year that the Exhibition will be held there．It is
 wite with Ontario，and a finer exhibition
would be held in sttawa than has ever been ould be held in totawa than has ever would
seen iu Canada，that greater benefits worme
Corue to the Djuinion from such a course． We maintain that Ottawa is justiy entitfed
to the Extibition，and we should to the Extibition，and we should aid．ts going
there，or，rather，forego ur selfishness in pie－
veuting it frem ying．Thousands of farmers veuting it frem yong．Thousands of farmeres
will see who would never have any such op－ purtunity if we retained it there．Ask yout Then why should we withhoid it froms those
who have paid for its maintenance，and have eveived comparatively uo benefit from it？
We hope thuse of＂ur readers who feel ar We hope those of Mur readers who
interest mithe Exhluthu will express their
views on the subject，and we will find space views on the subject，and we wil had spac
for them in this paper，if they are of a rea
suable length，whecher favorable to the Ex suaditon being held at Ottawa or not．Far－
hibita
ners，express your views；we cannot be al iners，expre
ways right
whe tin）
， The tme may arrive when Newmarket，Cu
lingwood，Guelph，Stratford，Clinton an other places will be prepared to guarante
sifficient accon sund guaranice that no loss stall be sustaine
ay
by Assciation，as Ottawa is prepared tal by tue Assuciation，as Ottawa is prepared
guarantee．They may pitt in a demand and guarantee．They may put in an the Exhibtion in their localh－ probably have the Exhibtion these places will
ties，and we doubt not that to
be ihl to to have as good an Exlibition as the be ible to have as
other cities have．

## Agricutural Interest and th Post offee．

Impressing our claims from time to time that the tariff of charges by the Post Office parcels of agricultural seeds，should have barcels lowered，we have been met by the
plea that the post office，instead of being plea that the post office，instead of being
in source of revenue to the government， does not meet the expenses connected with cover its expenses．Its expenditure for the year was $\$ 1,271,006$ ；its receipts $\$ 1,077$ ，
767 ，thus leaving a deficit of $\$ 191,238 .-2$ 67，thus leaving a deficit of $\$$ observe that to the franking
We would privilege this deficit is largely owing．In government ought to make the post office a source of revenue．A government， lectual and moral interests of the people should look upon the post oftice as an in strument of accomplishing yood far
the accumulation of dollars and cents． Besides，it may he a means of laryely
ncreasing the wealth of the country，thi adding to the value of the exchequer，while，
meantime，not exlibiting a profit in it Ineintime，not exnunt．It is possible to
Dr．and Cr account
grow in wealth by a liberal and judicion expenditure．Our stitesmeu might lean7 this lesson from men of busincss，who
have long acted on it．We renember ：un old saying，－＂＂Te waist muney of little
value betines is the statesmon are too aijt to loo unmindful of this policy．In the several department
of goverument they do not extend their view leyond that me immediately under We do not take into arenunt that other interests－agriculture，manafactures，com－
merce－may bring then a return，repa－ ing，manyiold，any deficit that might that department．
We will not cease our demand for more
liberal ineasures in the post office depait liberal incasures in the post oftive depart－
ment for the interests of agriculture．We menk，not as a matter of favour，but of jus－
ance，of reard fur the public wool，that our suati nackages of ayricultural seeds，
for testint anil dissemination，may be Curried by post at a reduced rate on at
least one half of the present rate ；and also
that agricultural papers published in the that agioultural papers published in the
Dominion should have at least equal pri－
viles with any political newspapers．Our ileges with any political newspapers．Our diate，but it will be certain．
The leading factories and shops，as weil
as the builders and carpenters in Guelph，
have commenced to pay therr employes by the hour．The arrangement is reported to give satisfaction both to the employer and
employe，and the best understanding exists．

## Circulation of Agricultural Pub－

 Cirentation of Agrictions． We bave before us a table showing thenewspars and periodicals number of newspapers and periodicals

published in the United States，and their | argregate and average circulations．The |
| :--- |
| number of agricultural periodicals is 93 | having an average circulation of 8,072 This demonstrates that the U．S．farmer are fully sensible of the importance of

having their minds stored with knowledge of that science to which they have devoted themselves．A farmer who loes not study
arriculture as a science，and carefully and agriculture as a science，and in practice，can
diligently put that science not hope for success in those days of ex－ periment and improvement．It certainly speaks weil for the shrewd common sense of our neighhours to give such encourage－
meut to a class of papers，the principal meut to a class of papers，the principal they convey．These $700, \overline{5}$ subscribers
to agricultural journals must so improve to agricultural journals inust so improve
the agriculture of the country，not merely the agriculture of the country，not mercly
by their labours，hut also by the example they set to their respective neighboun－
hoods，that every product of the country mist have a wonderiul increase．

Agricultural committee
We were very much pleäsed on our late visit to Ottawa，not only by the courteous to us，as representing the great agricul－ to us，as representing the great agricul tural desire to legislate justly for agricul－
fest
the ture．They were most anxious an mow
the measures most beneficial to farmers and for this purpose an agricultural com－ mittee was formed．We have now，on the eve of going to press，received a copy of a
series of questions adopted by this com－ series of questionser to be sent to leading mittee，and ordereen to be sent to leading
agriculturists，millers，\＆c．We give abridged such of those queries as are of most importance to farmers：－
Not having reciprncity with the Unite
States in the exchange of grain，flour，and farm stuff generally，do you think it for the interest of the Dominion that we should continue to almit American pro－
duce free，when our exports have to pay a dace free，wher cent？
toll of 20 per
What on flour and on the various grains respect ively，or what general guiding rule as to
the imposition of such duties would you the inuposition
Has the admission of Indian Corn any effect on the prices of enarse wain in your dfect？
Do you advise lerislation with a view
thestillishnge matrometing iu Canada
the cultivation of the sugar bect，and the the cultivation of the sugar bect，and thic cultiration of tovaceo and flax，and what
tarifi would best cosduce to the enter prise？
We have barely time to refer to these questions very briefly．The arricultura interest recies no pron ：we，hinerefore，as
interests are proticen
in matter of justice，cham that farmers be and limger denied as sullicirnt protection．
The Givernment of the United Stats The（xivernment of the nitow Canadian produce to bo bayment of a very high duty．We clain that the Canadian Leyislature impose an equal Canala． from the markets of the United States while the American farmers can and do
pour in their grain and other products pour in their grain ancasure depriving
into Canadad thin in a mata
us of the advantages of our nurkets．W can suphly the Lower Provinces wit
Hour，\＆e，so let us in fair play suppl llour，\＆u，so let us in fair play supply
them，without American interference．If in simple justice have such protection as $i$ needed to develop the resources of our
country．
We have already spoken of the encour－ agement we believe the Government
should give to promote the manufacture
should give to promote the manufacture
of beet－root sugar．Let them remunerate
him，who at a great expenditure of money and labor，has succeeded in the manufac－
ure．Let those who in like manner are benefactors to the country，not have to omplain that they have spent and la－

## Parliamentary Affairs．

In the Dominion Parliament great alent，power，amd ability have beent centered on the debate on the Treaty，and
most ably has it been discussed by both parties．We are well aware that mavy of our readers would like us to treat on this subject，but in our professed position of
politics we dare not express one word of politics we dare not express one word of
approlation or disseusion．This is not the sphere in which we would interfere．－ It you desire to know the real position in Which we stand it will be essentially he
cessary to peruse a Conservative and Re cessary to pe．
form paper．
A correct opiniou cannot be formed ly
aving only one side of a question．All other papers we have seen in Canada are political or have the bur political leanings，
and will re port to suit their ends and pur． and will report to suit their ends and pur－
poses，or the purposes of their main sup－ poses，or the puorteses，and if you attach redence to a class of papers published for ne side alone and do not heed closely the emarks of the opposing larty，you are
sure to be a misguided party fool，and un－ it to give a vote at the elections．Your party may be right or it may be wrong；by eading only one side of the question，as we are aware many of our readers do，you such party as the paper you read sup－ ports．
You must take two papers to be enabled o form a correct opinion．Remember it is political power that rules，still we as agriculturists must assert our power，de－
mand our rights and take the manage－ ment of agricultural affiairs，or they will be subservient to party politics．We do not mean to mple untruthful in their reports， but facts may，be omitted or commented out tacts may ，be ome You nust have this
on to suit the party．Yolitical papers，to in view when reading po
be correctly informed．

> our provinclal parliament
will meet ere long，and we auticipate a which it may be the duty of editors of Tgricultural papers to express their views，
The question of the situation of the Can－ The question of the situation of and Ex－ adian Agricultural， its object and the intended moies of man－
arement may be discussed．The present Covernment have a weight thrown
their bands that they as yet appear unde－ cided how to deal with．
Most probably the results of the last crause the attempt hay be brought up， Int into operation；but the results of the himer one do not show equivalent advan－ It is probable that the question may arise
whether sach an establistument would Whether sach ank establistment wo if more benent woud not accue to the prises，agricnitural clubs，and the spread of agricultural imfrnation，whe in－ Government by adopting these plans in any way with existing establish－ ments ；would the institution be used as a hot－bed or hospital for partisa
would it ever be worth its cost？
We hope some of our readers will ex－隹解 before anything is done ；write your opinions．
－The necessity of more light－houses at the east end of Anticost1 is uwint wiechs tiere．
pified int he number of recent
The north－east end seems to be particularrly The north－east end seems to be particularly
dangerens，as appears by the wrecking of four dangerens，as
vessels lately．

New Inventions.
We have received from Mr. Shirley Go-
ing, of Wolf Island a common water pail, the improvement of which
consists in the manner in which the handle or bale is attached. In the pails now in and often the pails are to be found without handles. Mr. Going's invention consists in an attachment to the side of the
pail, thus preventing any projection on pail, thus preventing any projection on
the upper edge. The pail can be turned ver and used as a seat without injury.-
the attention of manufacturers will be The attention of manufact
drawn to this improvement.
lamb \& Warrey's subsoller.
During the past month we had an op.
prtunity of seenng Messrs. Lamb \& Waren's Subsoiler at work. It was exhibited short distance from this city, and pulyerized the laud completely five inches be-
low the bottom of the furrow. All that
the saw it were well satisfied. The rrinciple was much easier drawn than we anticipated, one team being able to ploue"the
urrow and subsoil at the same time. land operated on was firmly packed, sandy
and loany subsoil ; of course it wuuld require more power if worked on hard clay, and we think the machine would also have on such soil. The proprietor informed us that he is getting up just such a one as we We feci confident that much good will this implement. We presume it will be on exhibition and put in operition at the
fall shows throughout the comtry. If an opportunity occurs we would advise you to go and see it work, and you carnot then
fail to sce its utility and the efficicnt manThe sul:soiling is done ly an attachment to the plough in the form of two long cultivator teeth fastened to the beam close to
the handles. They can be easily raised or lowered to suit requirements. A small landside and the mould-board. This wheel, it is claimed, causes the plough to
run with 200 lbs. lighter draft than it would otherwise do. The wheel is at
tached to an iron bar, and the bar to the beam. ben monn a work that has not yet be one of the labors of succestull farming moie particularly in the stuiborn clayey soils.

1 t , is really astonishing to see the com plete revolution that lias taken place by past 50 ycars. If we look at the work that is now done by steam power, we are
almost led to wonder however the labo was performed before; the fact is, it was
never pertormed. It must be a source of the old inode of cutting, harvesting and cleaning grain, to compare the dream of
the past with the facts of the present age. The above illastration represents another are necded and roads must be made. To and three, which do the work of a hum-
dred, as this machine is said to be capalde of performing, is another wonder. porers beyond doubt. Mr. Carter's Tile Ditcher
has done much good, bat it is destined to increase the productiveness of our soil to
an inalculable extent. They are gradually inecoming spread over the country.-
These open ditchers will be in as great a lemand; then there will be Lamb and
Varner's Subsoiler to the rescue. With the use of these three machines, many millious of acres of hard, tenacious soilseven swam;j, bogs and marches-will be
made to become the most valuable. Our ommon farming lands will, by their use ture or excess of drouth. These imple
uniting and forming clubs, as all require them and comparatively, few can afford
them. County Councils should encourage the introduction of the first machine ; the first one in a section teaches the whole
section ; but there are hard, knotty, stubsection ; but there are hard, knotty, stub-
born heads that will hammer, pound, and grumlile about the cost. The stulborn animals alnost make us vexed; they cannot be made to see the immense profits
that must result from thorough drainage.


On Tuesdey we had the pleasure of witness-
ing the :ction of cirter's (ppen Ditcher, Road Grader and Sub-siler, which was worked an sydenh m-st., Aylmer. 'The oad needed make
ing up, and early in the worning the macline nd soon four horses, was started to work and soon any persen who witnessed it prove to be a great bon to all who needed any
kind of work for which it is suitable. The machine is of simple construction sed iu the ordinary mamer. Attached th
liis i, a laree whicel, which lies on its side an rev. lving as the plow pasises alung cutting a
furrow, takes the eath form plow and carrying Hurrow, takes the ear th form plow and carrying
it round the flange of the whieel, 1 lrops it in the middle of the road a distance of 7 feet from where it originaliy lay. This the machine on Tuesday cut a dich on each sid of the road
to any required doplt, and thew the earth to any required drplh, and theer the earth
into the middle, nut in lage quantitis, but
equally distributed acruss inl arnt the road. equalily distributed acruss ind an ang the road.
In this uperation the.tws ina sinues, which are In this uperation the.twd "a hines, which are
nssuilly empl yed on such wo $k$ was combined
in one, and the work done in the salue time as
 aty well, and gave Lumal stisfaction. The
invent, Mr. Cater, was pree en, as well as a
inge number of farmers and centlemen of the surrounting district.
On oue half the ral the machine cut through


At a meeting of the Iamilton townshi the babject of root growing was freely dis vations :The land intended for rout crops should be
wheat or vat tunbble, plought deep in the
tail, ploughed athaill in the spring, and the hnd made as ting as possible by harrowiug
 inches wide, and draw manure, about thirl
cart loads to the acre, putting the manure in cart loads to the acre, puttilg the manure i
heaps in every t:iird drill, and spreading it eveniy in the botmon of the dirlls. This latese Lho turuip. Rith the drill plough in every
other druil so as to half cover them; then take about 300 ibs. of salt and 200 lbs. of
plaster to the acre, mixed, and put it on the
保 whe of the manure iy hand. Then run the
drill plough oo as to cover all up. Sow turnips frous 14 th to 20 th of June. It In sowing,
take a seed plough and tasten it behind a
livht roller, sowing one 'drill up and another light roller, sowing one drill up and another
do wn, moving the drill from side to side at
oach end so each end, so as also to roll the drill you are
sowing and the one you have sown, sowing
about three lbs. of seed to the aere. Turnips
should be thinned as soon as possible, so as to keep the weeds down. A one-horse cultivator
should be run between the drills before thin-
In the cultivation of Mangold Wurtzels I would not advise any person to try to grow thém on very light land, unless they lave an
nimited quantity of the best namure. What has been said about the cultivation of turnipa
will apply very much to Maingoids also, except will apply very much to mangoods alsu, except
that you are surer of a crop if they are sown
by hand in small holes \%of an inch deep and hy hand ir smail holes अof an inch deep and
bout one foot apart, and then covered in bout one foot apart, and then covered in liyhtity. Man
1+4h of May.
Land intended for carrots should be treated much in the same way as for turnips, except
that it should be manured in the fall. A good plan to add to the length of the carrot is to
drill the ground then drill the ground, then subsoili in the bottom of
every drill ; then split the drills so as to cover every drill; then spit the drilis so as to cover
up the part subsoiled, thus having the carrots sown drectly over where subsoilea. This will allow thent to go deeper into the ground. More labor and cure is required in the cul-
ivation of ront crops than in the cultivation ivation of ront crops than in the cultivation
of any of our other crops, but when we see the improved state of our land aiter them,
the increased amount of feed for our sock,
and the more valuable manture in consequence of feeding roots, we must adnit that we shall be amply repaid fur all our care and latar,nor
can we see how any man can be a successful farmer unless he grow a large root crop. Others did not approve of putting the man-
ure in drills for turnips. They thuusht that ure in drills for turnips. They thought that
if the manure was put on the land and well ploughed in and mixed with the soil, it would
do better, not drying up so much, and the do better, not drying up so much, and the
young turnips standing the drought better.Yutting the manure in drills under the seed answered well in the old country, where it
was the system practised by good farmers, but here the drought is more severe, and green sud, manured and ploughed in the fall, and
then wrought to a fine tilth in the spring well for turnips. It leages the ground rich and moist, and it retains the moisture. Some make the drills for turnips 28 inches apart.for 3 lbs., but if the seed all grows and escape the midge, much less seed will do, but it is
safer to sow much than to sow safer to sow much than to sow sparingly.
When When planting Mangold Wurtzels it is well
to soak the seed tivelve hours before planting as it will make them come up quicker and
better. Mangolds onght to be taken up a
litto better. Mangolds ought to be taken up
littie oarhier in the fall than turnip, as they
make their growth earlier and are easier hur make their growth earlier and are easier hurt
by frost. They should be kept in a dark

## rice

A block of land containing about $\mathbf{8 , 0 0 0}$ aeres, near Salmon River in Victoria county, has been laid out and set apart by the government for the emigrants expected
from Sweden. The situation is convenient to the River St. John, as well as to Grand Falls. The sod is ercellent, and when this tract of land is intersected by the Rievere
Du Loup Railway the settlers will have Du Loup Railway the settlers will
ready access to the best of market
The Hon. Surveyor-General and the Hon. Geo. White have been at Grand Falls and have advertised for tenders for the construction of two log houses, $25 \times 60$ feet, or the accommodation of the expected emiin the month of June, about which time whom accommodation is provided tor being whout two hundred. The new comers will be landed at the mouth of Salmon river whence it will be but a short distance to heir temporary shelter
In Montreal they are projecting the making of a tunnel beneath the St. Law-
rence, from the city to St. Helen's Island from which, by a short bridge, communicathe river. They with the southern bank of be 32 feet wide, with double tracks, for rail cars and a carriage way. The Witness say that the present time seems specially sulu

able for the undertaking, seeing that the Northern Colonization Road, which is to be a link of the Northern Pacific will abthe United Statew, and the Lower Provis | the Uni |
| :--- |
| ees. |

## FARMER'S ADVOCATE

Commendatory Remarks,
We flatter ourselves that no agricultural juurman hat how exists or has existed insmy commendatory remarks as are received at dils otituc. Hat we kept a record of them they woulu have filled several shoeds of tue s.Le of tins paper.
have veciasiunally giveu some froin the lades, and we will huw give a collple from tue piam workers of the soil, as thenr
voices sllould ne heard as well as those of pullicical parcies; iu lact, we apireciate prlitical parcles; 14 lact, we apprectate
them mure, as we know it is trom tinis cioss that nue money must come whict pays lur all tue talenc anu abolity that is devoted to politicai influtaces. it is our
belite tuat hie noilest opimons of the tileres of the soll will be read with as much nuterest and protic as the opimous of any
ofure cliass. uther cliass.
Sir,- - think very much of your paper,
anu cousider it the west firmers anu cousider it the best furmers pape
published. I also take Monies licuru New Yorker, mud au vecasional copy of
the C'ancule liuriner. Jas. D. Nowling Eastou Corners, Gisenvilue, May 10, 72 Sir,-I am well pleased with your pacrits demand greater applatase from the darmers of tue Dommiou. It aboumbs
witu mulurmation that every farmer ought witu mimoriter. fhus. Wílisiston. Lo seve du Vin, N. B., May 1st, 187\%.
B.

Secds.
We hope tiose gentlemen who will be
prepareu tu supply us whu seetis will expreparea tuen netus aus, as sar is yusshbe,

 thug us khow about them, is we woal. preer semy the giall mill hethelds than to see it exmulter huthe diabs. Mheat. Ar-
 Wualiue to that cilitict. We silvald anso wheat, Eiscellsior reas, Yruvidence r'eas, and the vest Uacs.

Loan sucicties.
These institutions are becoming more
popular and vellticial folin to thuse who popuiar and benthinal bolli to hose who

 hite name anu have hinw whany of hic
 luar muney whit ve sater with liem than
 Ham theti wity
latis cily.

Crop inospects.
Since our last remarks on the prospects
of tue crups, we have travellal urer it lis freater exucat of councry haiki we the ina, anu hand that here winter wheat has


 adsuman it dinerwise womd hiave done


 crops nate bech pht hitu the gromat hat lar bid tar tor good results

## Toot und Mouth Discase.

 To the Ministers of Agriculture:From an exchange paper we notice thatthere is great canse of fear of the dation of the Foot and Mouth Disease Into Australia. Short-horus had been purchased in Europe in which no symp oins of the disease hal been noticed until 4 long journey. Would it not be well to compel imported stock to remain in a quarautine torm for a month belore allowing
nuell to be slipped in our cars, or mingled nemi to be slipped 14 onr cars, or mingle Who coand estimate the loss if this disase should take root among us

## ©ur Opinion

The City of Lonlon, Canada, is about expend an city with water from a 7 cre mud hole, three miles distant. The sipply will not last as long as the time it Chile to complete the works, Chicago citizens are about to act dishe relief of the sufferers by the fire.here are plenty of needy sufferers, and the money was given for them. They ave $\$ 100,000$ on hand which they propuee cxpending to spare the future taxa-
non of the rich of the city. They ought oxpend it for the purpose for whicla it who coutributed were amongst the first ho contributed to the relief rad in thi, ceut for the purpose they propose using the money for. There is a sitying that
there is "houor among thieves ;" let there here is "honor among thieves;" let there and give the mouey to the existing sufferers sho heed every cent ot it.
The British Lion has suhmitted to the v:ll surysuce of Brother Johnathan. He mind! Keep back, Joluny
OUR sources of wealth are only com
mencmg to be developed. The irou mine hear Uitawa are about to yield immense wealth numediately. The silver mines of Thunder Bay are destined to enrich us to ber are looked iuto too much as a source of wealth. The protection of timber and encouragement of planting will soon de
mand the attention of the Legislature.

The Potato ${ }^{\text {Brg. }}$
The last season taught us what we are
coutend with iu the e dreadful visitants But we much tear that this year and sucteding Jears the hosts we yorl have to d The buys of last year-as many of them as we sufficted to escape--burted theursclves deep in the gromu, where they have ters, and will be realy to sally forth as ovou as the dirst leat of the potato affords them provender. Let farmens tike warnhag, and trim therrirst appearace destioy
hicul as they come. For every ten yout hach as they come. For every ten you
nill very gally in the season, you may gave yoursha the urouble of liaving to kill a hundred later, or, it may be, a thousand shll iater 14 tile year. We have as yet
suffered but hitele from the plagues of nisects companed with the losses of our necghtours. The damage done in the
and Nurthwestern States by the Chinch bug
nin the Culorato potito bug las been whated at tinty milion dollars per cecognioe the lact that such destructive Hesctos must be dealt mith as vermin and wedatory br rus anu amimals. They must the beot agent for the destruction of the potato bug has been found to be paris green. Last yor's experience bave us ample couhn mation that par 18 green, mixed
with titheeu or twenty tines its weight of calcilled plaster or ot thour, was nearly as etfictual as the pure haneral. The mixture, when dusted on the vines by the at a blow the larve of the potato bug;
but the old onps-the mature, hard-shelled
parents - resist the poison. some hours parents-resist the poison some hours.
Great care must be taken in the use of this remedy, as it is a virulent poison-
a mineral paint, compounded of copper and arsenic. Those who bave but a few ruds of potatoes planted in their gardens may keep them comparatively safe by
picking or brushing off the buss marnius picking or brushing off the bugs morning
and evening, and making sure (to use ail Irish phrase) to kill them drad ; but they who plaut, ou a more extensive scale will find the paris, green
I alue of the potato crof.
It is three hundred years siuce the potat culture has been only limited by the limits of civilization. Its great impurtance and its value as a crop may be conceived, when
we bear in mind that it is estimated that we bear in mind that it is estimated that potatoes are consumed in the United States or tood alone.-Ass'r ED
potatoes without bugs A writer in the Western l'ural gives
a for The following mode of planting potatoes
Prepare the ground as ustal-the drier and richer the better. Wheu warm, plant your potatoes the usual depth, as thick as
che soil will warraut. I thuk one, the soil will warrant. I thuk one, or, at inost, two goou eyes in a place best; bil if the soil rich, they may be thick enough so that the whole ground may fill with tubers, and cover with straw sufficient to keep down all weeds, say from three to
five inches of straw, and your potatoes
will weed no more care nutil they are ready for the harvest. Do not plaut tull the ground is warm, as the mulch keeps
hut heat. Cover with earth before muld ing, or the tubers will be ill flavorcd. The 'Culorado bectle,' or ' Yellow-striped potato-bug,' will not touch them, as its larree are not migratory; and as it camnot penetrate the straw to reach the earth,
the instinct to preserve the race, so stions in all insects, bids it shuu the strawcovered ground." We do not guarautee the efticacy of this plan; we give our
authority, and advise our friends $t$ ) make authority, and advise our friends' tanak
trial of it on a small scale.-Ass'T ED. horse-shoeing.
Sir,-I have been taking your paper for the last tour years, and 1 fiud that nu house should be without it. © iny plan for horse shoemg:- Six nails in a shoe is sutticient, three on the outside and three on che inside and near the toe; the shoe shoul
be put on with id clip at the tue. It will be borne in mind that in travelling the ched or bent, but the usc of a clip will mevent this; then, by using eight or te
uails iu a slioe, they are driven so far bact hails in a shoe, hey athe hoot would loo vac the nails ind breas the shell of the foot otherwise it prevents the hoof from spread
ing, aud calises the heels to contract. ing, and calises the heels to contiact. then there should be a clip at the side, but 1always use the manls as near the toe a
possible. If tie horse over reaches, pu the shoe on half an iuch back from the toe
leaving the hoot: this will stop the leaving the hoot; this will stop the
cllcking noise. It the beariug is more ou one side, the shoe should be cropped so as to leave the hearing more even; there ar more horses lijureu by shoeing than in any
uther way. We should be gunded in this sinnewhat by nature; the fout, belfore shoehag, is low and broan at the neel, so that the frog rests upol the gromind; 1 always
should ve kept so by allowing the heel t grow down; it rases the 1 ng 1 rum the
ground; the heel will then contract aud the fout may become diseased. Some per suns are atraid of bruising the frog; this cannot be doue befre the fing is cubstance, and cannot be injur ed by a viuise, but anter the frog has been cut it becomes a horny s:bbtance, something like a horn, and by stepping upon
any hard sultatauce, it prosses to the quic.: aud causes the horse to thuch; then ajaiu,
the blacksmith will pare the foot and set
the shoe within half an inch of the tre; the shoe within half an inch of the the; ine of the hoof, which bruises the fuot the
ext time the horse is shod. It looks as if dext time the horse is shod. reat injury to the foot, the hoof should be paired as low as it will bear; the liressure then comes alike upon the whole rim
of the hoof. The shoe stiould be leveled on the inside; by so doius, when the foot presses on the shoe it spriulys out instad
of in; this will keep the heel broad. The of in; this will keep, the heel broad. The
fout never shoull be rasped above the foot never shouly be rasped above the
nail; if so, it will become britlle and break. It persons would adhere to this principle of hoeing, there would be less crippled horses.

## trial of seeds.

Sir,--The half bushel of Norway Oits I received from you two years ago yielded 49 bush. I have soweu them on just half an acre of land this year, and I have sold hundreds of bushels of seed to my
neighloors, many of whon ha.d seen the ats growing aud had aided in threshing them. The leck of Early Rose potatoes ielded 28 bushels. I wish you every sucess in your undertaking; I have profited
nore from the seeds procured trom you than from any other source. The wheat has also given me the greatest satisfac-
David WALKER.
ion. ${ }^{\text {Derwent, May, } 1872 .}$ lock.
At no time has there been such an active At no time has there been such an active
trade going on in hyh class suck a a a tive
present timp. Several of uny leauliug breders nave cone to England in quest of chuce arinalsit in inport this seasinan for the inmprove-
 Nou Beattie, R. Gibson, Win. Lons, M. H. ochrane. Sas. Rysel, Wu. Thowsin and states that between the rinderpest ana fout-
and month disease stucks in Britain have been and month diseave stucks in Britain have been
so seriousiy reduced that what remain com-
mand very lioh prices, and thit freith dilfimand very Hifigh prices, ahd thite traint dom- diti-
multy is experienced in obtaining stuck. He culty is experienced in obtaining stuck. He
has already shipped sume 25 head if Ayr-
 heal Cuchane. He gives a very favorable ac-
H.
count of tiue prospects of crops in Britain this count of the prospects of crops in Britain this
season, the spring haviug opened early and proved/unussually favorahle to the ayriculuralist. his is quite in cuntrast
where with a late spring the newly sown Where with a late spring the newly sown grain
croys are suffering severely fur waut of enough rain.
The The demand created for fine stock in Canacan breeders to impove the b oud of the cattie
 athy on our breeders, and inducing $t$ tin to
pay more atentition to breeding pureblouded
stick. Mr. Win. M. Miller (son of Jhn


 he utends retuming with 20 or 30 tuole
young buils, nand says the demand for hert-h min bulld and cotswold and Levesester
ams is aimont unlmited, and prices given exceedryiy sititsfactory, Mr. Lumonden, of Turnn, takes several head of Shctr-horns anitoba, where tiey will torm the nuciens

 ing Jne, notabie anoug thene beng the entire
hert of J. M. Bei, of Atha, why thay deculded oretire tromagicultural pursums, and whose quality throughout. Cul. W. S. . Knas, of Minnesota, also has a large :ale, June 19 at which
it is expected some of the highiest figures
ever paid for ntick will be trealized.-Ext. The growing erops in Eusland give good
prapise, and the we.ther lias Leen farr ind
 winter crups, we liave kwu ruobyects fur the
agricultural interests of Canada.

## FARMER'S ADVOCATE.

Robin's Come. From the em trees' toinomost bough
Hark! the Rolinis' early song Hark! the Robin's early song Telling one and all that now
Merry Spring time hastes along,
Welcome tidings dost thou bring, Welcome tidings dost thou bring,
Little harbinger of Spuing.
Robin's come,
Of the winter we are weary,
W‘ary of its frost and s"ow, Wrary of its frost and s.ow,
Lonzing for the sunshine ch ery,
And the brooklet's gurgling flow Gladly then we hear thee sing
The joyful reveille of Sing;
Rolin's come Ring it out oer hill and plain,
Turvugh the gardens $s$ lonely Till the tre ten leaves dance again,
TTilt the air sis sweet with flowers
Wake the cowslipe Wake the eowslips by the rill,
Wake the yellow daffodil

Then, as thou wert wont of yore,
luild thy nest and rear thy young Close be side our cottage duor,
In the wroodbine leaves among Hurt or harm thou neednt not fear,
Nothing rude shall venture near,
Robin's come.
Singing still in yonder lane,
Robiu : inswers merrily, Robia :nswers merrity,
Ravished by the sweet refrain
Alice clasps her haa Is with


The Farmer Fcedeth All






 Ane ourtiof trifere tut tund hino:

 Whene ior irer run. neth by
 Fair palace.and pieaing boverem








 Ghad and silerer mines of thander ray and chan
 it any therititionil. They ate more and foro





Euwatain profie emery in it it.
London Markets


## 





 Rit Uok faitintint ine inn inning doutn thin







## Correspondence.

 as many do when they come to an article full
of hard and scientific names, chemical terms, and aldeebraical calculations and statements. -1
This little work would have been in the hands This little work would have been in the hands I shall then take care that it is circulated a widely as possible, and Thope to see it in an interest in agricultura
been written for profit
been written for profit.
If you feel any
If you feel any curiosity to see some of the
manufactured article, such as I reconmmend the preparation of, I shall be happy to send it. Yours truly, Toronto, May 3:l, 1572
We are thankful to Mr. Cull fur his valu-
able information. Me sivs truly that Mr. Kraft deserves well of the country, At a great sacrifice of labor and money he has de yet be accomplished. It may perluaps be bet ter, as "F. C." says, that the farmer shone
only raise the crop and prepare it for the ony rase The division is often advantageons, hut
finer. Kraft has proved that a farmer may till
Mr. the ground, raise the crop, and even then prea good singar fit fou family use, and if he atil perseceres he will yet do better. He has
just claim ou the country, not merely for their gratitude, but for remuneration for his great beet root sugar factory at his own expense, has not proven remumerative at first, as mel
has to be learned; but he hes laid a found
tion from which much wealth to the country will accrue. Such an undertakint deserve
further aid.

Sin, -A great deal has been mritien lately Soine articles, too, have appearel in the $A$ vocate on this silject which I think. we written iv
siv one
the she subject; for I nut only fully e. we the whe
down all the bush on his farm is, of course,
very foolish, even if nothing but the advancing
value of timber and firewood be taken into
account very foolish, even if nothire bod be taken into
value of timber and firewor
accunt, but it is also veri imprudent for
him to cut down all the trees, even where he him to cut down all the trees, even where he
does clear his land for cultivation. A few trees sett in each corner ot if such, there be.
rocky or very stony spot. if
Fould prove of very great advantage, and
would not at all interfere with the cultivation
of the land. Nor would they detract in the
least from the appearance of his farm ; inleast from the appearance of his farm; ; in
deed they wonld be far more ornamental tha deed they wonld be far more ornamental than
otherwise. Where at all practicable, a row of
teess should accompany every line of fence on rees should accompany every line of fence on
the farm. The beneficial results which would accrue from this may easily be seen upon a
few moments' consideration. Both man and beast would share in the brnefits, and in many mony in favoror of the trees. How painful to
see, in a field where there is not a single tree ee, in a field where there is not a single tiee
to ward off the scorching rays of a midsumper
un, the ponr horses and cattle vainly trying sun, the ponr horses and cattle vainly trying
so the corners of the fences, lashing themselves
with their tails to keep of the tormenting flies, and stamping with their feet, thus plain-
ly evincing the torture which thev are com. y evincing the torture which ther are com
pelled to endure. I once boarded with a farfern; and often when I went to the field to
get my horse, I feund him thus suffering, and yet my horse, I found him thus suffering, a
his body, or rather the hair on his hody. h .
as almost to burn the hand when tonched. as almost to burn the hand when tniched.-
Surely this must be very injurious to animals, Nor is it might and ought to be comforthy of notice that trees en-
No courage many kinds of birds, and as birds.
that is, most of them, are both beantiful and that is, most of them, are both beandering the
useful) besides being capahle of render
nost exquisite, sweet., and heart-cheering mossible way
posides, it
trees exert a wonderful influence in repard to rain. I believe that generally where the most trees are the most rain falls. Conse
quently, if this be so, as the country becomes come nore subject to drought. Have $n$ the last ten years been corroborative of this
proposition? Ithink they bave, at least in proposition Ontario; and I hope that thes
this part of ont
painful illustrations of the truth of this thenry pail bring farmers to their senses and stop
whem from thus spoiling their farms aid ruin ing the country
Some may think this a very erroneous idea and will see no connection between trees an
clouds, but these people must rencmber that mans, buth connections do exist, where we fail
ma see the reasons. For instance: why ioes
to s. to see the reasons. For instance: why wes.
lightning strike trees? For the cause we are
referred to the laws of electricity. Then if reterred
electicity acts in one case, why not in the other l
In conclu many trees as so osible an his farm. And, ac - cording to my opinion, where farmers fail to
do so of their own accord, I think those who manage the affiairs of the country and who
re supposed to have the interests of the country at heart, should require every farm^r wh ras not done so
front of his farm. Battersea, May 6th, 1872.
mortil nokwin farmos aita Sir-Kuowing that you are deeply inter-
ested in the farmers' canss, I thourht youn ested in the tarmers caus ${ }^{\text {a }}$, thought yon
would like to hear of au effort hing gmad in
this part of the world to form a Farmers' Club. Lhis part of the world to form a Farmers' 'lub,
On the evening of saturday May M1th, a
and actory, to organize the now " North Norric
 ansidering the busy time, there was a hoody Wm. S. Mooree called the meeting to order.
The following Constitution was drawa up and accepted:
Arcicie 1.-The undersigned herehy asso-
ciate theniselves as the "North Norwich Farciate thenselves as the storth so doiny are to
mers' Club." Their bjects in so
promote their own welfare and intelligence, as frmmers and citizens, and th
socially witl: their fanilies.


nualig.
 he Exicutive Coumittee. A President stali be chosen at ach reqular meeting. A Secri-
ary and Treashrer hall be chrsen annualy.
The remainder of the Executive Comuitle
 shall be elected at the first regular nee ing,
and shall hold office nutil depsed by not les,
than a two-third maj, rity of all the mennleers.
 the duties usualiy devo bing and act as chain-
officer of a deliberative b dy and
man of the Executive C mittee. The Scretary shall keep records of transactions, and Le
custodian of all tie funds and other puppry
of the Club heine accountable at all tinues custan Club, being accountable at all times
of the Executive Committee, giving bouls.
the required ; and shall prepare and preseit
flll report to the Cllub the the ansuai neetin?
The Exec intive Committee, three m?mbers of which shall be a qurrum, shall have fenera
charge of the interests charge of the interests
carrying out of its object. It shall fill vacall-
cies in in bers to j , in, regu'ate expenditures, manage
exhibitions or fairs, publish offers (f prizes and the awards, be responsible for the welar
of the Club, and report at the annual neeting through its clerk
Article 5.- The meetings of the chat of each month, the meeting in $J$ a,
Articlie 6.-This Constitution may be
amended by a vite of $t w n-$ thirds of the mentbers present at any regular meeting, notice
being given at the preceding regulior nieetiug The following officers were then elected:Lnsee ; Execontive C.mmittee-Tie President
Secretary. Wm. Moore, James Glent, and Secretary, Wm.
John Pollock.
"Soiling" was the subject then chnsen for dent is to make the epening s eech
At the close of the meeting twelve part es signed the Constitution, and becane mermber.
At the next meting a great many more are expected.
Now, Now, Mr. Editor, if the above is of any
interest publish it, as it way elicmage? ather
 Many indepelid
-Yours truly,
New Durl "B. J. P." will accent our thanks for his

 ments and
may be forwanted to us at Ic per oz. by
writing "Printer's Cop;" , When such ate first publisheed in the local papers, and you drsire us in nutice then, attention and send it aime, as hat we have not time to open, much less $t$ search that may be interestin.:

## Sis, Inlooking through the Mit


 Farmers' '
has kiven.


 1s7, I sowed 1 binits of bariey per aci
(of the six-rowed kimd), harrowed twice to a
flace place eacin way, and after sowing rolled with
Leaivy rollery, In May it was cut bad with Meay roller. In Mray it was cut bay wit
the frost (it was about two inches in height) It was harvested thie first week in Angust, an
yielded tliree hundred and fifty bushels of grain A Reader of your Paper from
[As we are acquainted with the writer
and know him to be a leading farmer in his section, we insert his communication. Although he wishes neither uame or resi
dence ta be mentioned, we would prefe uiving names to such articles ; but many have a
publie.]
a farmer's experience and opinions. Sir-As you are continually asking sub-
ser br rs to write fur the ADvocate, I will ave you a littie of my experience ; and if you hink from of your subscribers can learn any-
thin at liberty to publish it;
The fall whe

The fall wheat in this section is badly win-
 o in gouy, hit in the., where the shide of the dinitied,
 buther's farth, which, Nuing the past winter,
were stabled at night and fed straw with a s.uat quantity of oats twice a-day, and let run
to the siraw yard during the day. They were thin in rondition, when taken in to winter,
abuut New Year's they took to going to the huot New Year's they took to going to the
hy pen, and eating he dung which came
from the pigs ; they immediately began from the pigs; they immediately began to
gain in coudition, and continued to do so
gutil spring, when we liad to kep them ion until spriny, when we lad to k tep them in
the stable, for when the frost cane out of the
manure they would sink to the knees. Now, manure they would tink to the knees. Now
1 do nit know whether this is new to any of your subscribers or not, but it was new
I never sai or heard of the like before.
This spring l purchased one of Gray's light
Canada iron ploughs ; I have worked it in all kinds of land, rough, and smooth, and it gives me perfect satisfacion. It is the eaciest work-
ing pluarli I ever used; ; it is light and strong, Hind, it is the clieapest plough any one can tivi, it is the cheapest plough any one can
buy, 1Perhaps y you may consider this i. the
lishit of an advertisement ; if so lenave it out; it is of an advertisement; if if sonefit to to me ; I have no it outs to I was much pleassd with the discussion of
He Hanilt,m Farmers' Club on bariey. given ho the will le nuble to give your readers the benefit of thu ir discossi,no on turnips, carrots, \$c. I
was also much ,leasod with Mr. Kratts com-
 in inis eaterprise. I have grown sugar betts
fur the part two years; I find them splenddd or the past two years, iey fie large croppers
full for nilch cows; tiey aid
anl easily grown, I think much easier than turnip: I made molases from them in Jan.,
187i, but fomid I lad not the right method,
and for wither reasous I have not tried the experim.nt since.
I should like to know your opinion about
woif teeil hin horses. Should they be kuccked out ins is cemmonly dove, or no
shand hampers in cots be burnt

## 


Nurth Oxforl, My 13, 1872.
[1st Query-The wolf teeth are not to
be knocked out unless they interfere with mastication. 2ud query-The lampers ar not to be burned out. A little cooling
mediciue is to be given, and soft diet, mediciue is to be given, and soft diet.-
Sometimes the lamper is scarified.]
 Tuckersmith, May 3, 1872.

Sir, - -Having used ono of your potato plows
last fall, we found it one of the most useful
implements for digying potatoes that cculd be
implements for digsing petatoes that cculd be
inventel. Jti. in ruatherint 1 patatoes what the
hav rake is in the hay fill. an indispensable
article, and one which, whiere a farmer has any
anount to di, is, i, a. aving implement, in fact.
like the hay rake, they pay for themselves

and
con


## FARMER'S ADVOCATE.

Light Brahma Fowls. obigin of domesticated powls. There are good reassns tor believing
that all breeds of the fowl are deseended from one wild species, though as the period of domestication reaches so far hack their early history is involved in obscurity.-
Nothing being known dirently and certainly, we can only rely upon circumstantial evidence which on the whole noints out the wild "Gallus Bankiva," of India. races, however diverse they may'he in present chararter. Therefore, according tn the careful and laborinus investigatinns of naturalists, Cochins, Brahmas, Hamburgs, breeds of fowls have their source in a common ancestry
origin of the brahmas.
The two breeds now ralled Brahmas were founded in the United States upn stock throught from the port of Luckiponr and landed in New York in Septemher 1846 The Light Brahma is then hy immediate nrigin an American breed, but hy remnte eescent an Asiatic. There is n
sufficient evidence to show that the speci mens imported were anything morenr les than Indian dunghill fowls. $\$$ The term blooded or thnrough . hred
could not be applied to them on their arrival here, any more than to the common fnwls of this country. The Brahmas have been "worked own soil, within twenty-five years, till they breed true in external appearanee, and are. therefore,entitled to be callod
value of the breed
The Brahmas, either light or dark, are, on the whole. the most valuahle breed of
fowls in the world. True, a number of non-sitting races rival them as layers, but they can never be kept so
miversallv. hecause requirmiversall diccause requiring the adin on of a sitmay be perpetuated, and or dinarily families do not want to be obligel to keep more
than one sort. But Brah. mas are suited. to everyborly' wants. They excel nonsitters in size, and weighty
ehickens for the table are eonsidered an ohject in most are more easily induced to lasy in wint when eggs are scarce and high than any of the non-sitting b eeds. No other race of
fowls will produce as great a value of eggs in a year, the value and the number of -ggs being two different matters. They are more docile and ioood natured than any Cther breed. excepting their congeners th into a flutter or panic at any little fright, hut the Brahmas are so quiet and tame that there is a real satisfaction in their
management. There is no breed so well management. There is no breed so well would make friends with their birds can not do better than to choose the Brahmas either light or dark. Save in color ther breeds. It is of late claimed that the dark variety are a little sinaller loued, and that the cocks hefore maturity are less yaunt, but the superiority is not very ob
rious. Brahmas lay at an early a fed plentifully, and given a liberal allow ance of animal food. Cold has little effer upon this breed, and they endure a winter or'at least as well as the common bern vard breeds, which is saying a great deal The most valuablo trait a a ont them is meroly, but, vheir woaderfil striystia
thing like fair treatment, may be safely it nnt heen for the interest of this class. in expected to live; and we believe there is no breed whatever that can excel them in
his respect.
pailings of brahmas.
There is no breed that is perfect. It is arged against the Brahmas that they are the much inclined to sit. It is true tha especially in warm weather. And the or dinary expedients for breaking un the de sire will not avail in their case. If a hen
is cooped up by herself after the fit is con is cooped up hy herself after the fit is con
firmed, she will sit anywhere, whether sh can find eggs to cover or not; and if nest is not accessible, she will take to a oorner upon the ground, or a bare hoard
Confinement with cock, is the only thing that will cure som individuals. Another fault of the breed is, that they are great eaters. Gut they have a vigorous digestion, and that sort of
plump build that in animals of all species slumn build that in animals of all apecies in flesh for what is consumed. If their appetite accompanied a frame too big to be proportioned to their flesh, they might be set down as "hard to keep;" a desig-
nation applicahle to some horses and cat nation applicatie to some horses and cat-
the. But a well bred Brahma, when ma


## LIGHT UREAHMAP

full breasted, broad baeked, and inclined hoes. Wo know you all wish him suocess
 brahma chicken, especially a cockerel when four or five months old. When they rat of an age suitable for the gridiron, hree pounds live reach two and a half or hetter than when some woeks old, when hey will be past the ago at which they acquire cogyy and ugly, and will begin f bity.

Efrects or in-brimedine.
It is the remarkable vigor and atamin ist bo well that curse of the fancier rork, close breeding. We hope that in elligent, practical men euough may be
pund, with minds bent on raising cheaply ound, with minds bent on raising cheaply
healthful food for the million, so that this valuable breed nay be rescued from the ruin that sooner or later overtakes all
races of fowls, kept in the hands of those aces of fowls, kept in the hands of those
who breed for fancy to the neglect of utility. A few petty profits may be gleaned by deairers in exhibition fowls, and vanity may be tickled by prizes at shows, hut the masien of the people know and van ine a management that shall piace more and better egge and chickens on the

t not heen for the interest of this class. in
fowls, we should not have the Prahma But, when a hreed is raised to a eertain pitch of merit, aud its mints are herome
fixed कor preqsistent selection, it is time for fixed कr nersistent selection, it is time fnr
pranctical men to steo forward and rescue
it practical
it hefore
fashion.
disqualifications in brahmas.
Birds nnt matrling in the pen, comha
not uniform in the pen or falling over tn
one side, erooked harks, twisted feather
in wing, lega not feathered to the tine of
in wing, legs not feathered tn the tins of
the outer tnes. vulture hocks a disqualifira-
tion in Light Brahmas, and nhjertionnable in Dark Brahmas, not, a disqualifination legs of anv oth
duskr vellow.

$$
\begin{aligned}
& \text { [We importad a Ane pair of this apecies } \\
& \text { last season. Mr. T Plummer. of this city, }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Was son neased with them that he pur } \\
& \text { chased them. We have since promure }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Tas } \\
& \text { chased them. We have since promured } \\
& \text { egg from him, and have hal chickens }
\end{aligned}
$$

$$
\begin{aligned}
& \text { zage from him, and have had chickens } \\
& \text { aised, and this year we have sonl nome }
\end{aligned}
$$

$$
\begin{aligned}
& \text { raised, and this year we have sold some } \\
& \text { eaga nd still could do an, hut as the sea- } \\
& \text { son is advancing, perhana nur readerg }
\end{aligned}
$$

$$
\begin{aligned}
& \text { eggs and still could do sn, hut as the sea- } \\
& \text { onn is arvancing, nerhans nur rearders } \\
& \text { would rather procure the birds in the fall }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Nuld rather procure the birds in the fall } \\
& \text { of the vear. or egs next spring. In }
\end{aligned}
$$

Bean Soup.-Wash the heane and hnil hem with salt tork. When en ft. take them nit, and nass through the enlander. Then nt them hark in the same water they were
boiled in, with four hard hailed wegs. eut in quarters, and a lemnn sliced, and a little enner if ynu like it. Boil again, and serve. This soun is very nice.
sick headache
Thnse who have ever had this distressing mplaint need no descrintion of it. Its
ttacks are nften so sudden and severe as to make ne helpless for a while. If nonssihle. utt the feet in a warm hath (coming well p the limhes), to which twn teasmonnfuls of clean wond asher have heen added. But
his cannot alwass he done, as the nerson this cannot alwas he done, of the nerann attack. ar have no nne to wait unn him or Fut a remedy mav he kent on thand. that Fut, a remedy mav he kent an hand. that
has alwave eared me when I have tried it: it mav he carried in the nor' et. sn that if taking it nne mav sonne he relieved. This lemety is hnoset hinsseme, and T take
them in this wav:--Take what wnilld make, when presserl tnerether. a hunch as larree as a chesnut: "nt it in the month and chew,
wallowing the inice: ?s the hile tegins to arculate in the atomach a ant of chill is nften felt. and the errese of hinnid cirr water
from the head to other parts of the sustem. deserintion of this plant, as it is so generally knnwn thnugh n'ten ralled by differ
ent names. Brnest, nr Thor ent names. Brnoset, ar Thar
nighwort. is colled Eurut rium nerfolintum. The
rennle nlant is melicinal, though for headarhe T "se
onlv the hinssnms. whirh apnear in Ancmet, : and I nre-
fer them hefrre they fully hlosecm ne thev are not so
casily rubhed off and wasted casily rubhed off and wasted
It grnws in wet nastures. and
shold he gathered when Rhonld he gatheref when
well hidifer for hhonming. or
abnut the firt of Annust or ahnult the first of Aunust. It,
mav he tied in hunches anil mav he tied ont of the wav.
hung un
where it will keep clean and where
day.

Scariet Fever.- Rnhall orer. often, with bacin rind.
Soak a niece in wlite lye, and put around the neck; let the patient Jrink freely of cold water, and kepe from the cold air, but pive fresh air. Wash nften
with saleratus water, and let the patient
drink it. This treatment has been very successful. The Best Butctrr.-It has heen proved
hat cows make the richest linter when they first go out to pasture in the spring; that they produce the harilest hutter when
fed on dry fool: that hutter made during fed on dry fool: that hutter made during
the fall is best for keeping. The tnwin of Rennes, in Brittany, is noted for its peculiar butter; the mitk of the rrevinus evern-
ing is mixed with the warm mrning's ing is mixed with the warin marning's
milk, and the mixture alloweil to stand for milk, and the mixture alowe to stand for
two or three hours, when the whinle is churnell. Those who practise this plan claim that they thereby obtain a larger
amount of butter of a more delicate flavor.
Covsumption or Eggs. - The receipts New York city for nine months of 1871 harrel of eqges contains about eighty dozen. the aggregate, therefore, was in one day egks at an average price of 30 cents per ozen amounts to $\$ 24$, 00 of 30 cents pe -90.000 per annum. In this amount there no estimate made of the number of cases of aggs received per day. From two to ten
of thees ouses are nometimes recoivad per
 day by one fin, mol.

Cabbage Louse. - The American Agri culturist pronounces as the hest remedy or the ravaces of with water in which carbolic acid has been dissolved, one part and dry air-slacked lime, three parts; mix together and sprinkle on the leaves, while merous on a leaf it is hetter to remove is


Miseellancous Hems.
a water spout.
During a terrific rain storm which paraed ver north. western Iowa and Dakntah n pout descended to the earth, striking few miles from White Sway, Dakotah, covering the earth for a great distance around with water to the dept strike in the icinity of any settlement, and no person was inj
loat.


FARMER'S ADVOCATE.


FARMER'S ADVOCATE.



## UNCLE TONUS COLUMN.

A GAME.
Tere Rivals-Boy seated in the middle of Commences - "I'm Doetor Giltpalm, now estaAnd I want t, i, sooft smiles of a
sweet little wife." 'wo girls walking around him repeat : Dr, Giltpalm las a n nice little chay.
Dr. Giltpalm for ever, hurrah." The two girls seatit themselves one on each side
of him, drawing nearer and pearer as they speak.
Dector - "How happy eould I be with either,
"Were to ther dear charmer way.".
1st Girl-" "Sweet Doctor, I'm sure I should 1st Girl-" "Sweet Doctor, I'm sure I Ihould 2ndGirl-"Sweet Doctor, I'm sure I'd obey.",
Ist Girl " I can buthons sew on in a hury,",
2ndGirl-"I make the moste excellent cury curry." 2ndGirl-"I I make the most excellent curry,"
lst Girl-"I can "play all Mozart's finest 2ndGirl2ndGirl
Doctor
1st Girl 1st Girl-" "chy cincian." write your prescriptions in 2ndGirl 1 st Girl-"I cannsing all the last newest bal-2ndGirl-" "I'm famous for French lobster Doetor --" ion, want can I do,
1st Girl-"But yourye breathed on me softest 2ndGirl-"Oh © you know you've east on me

2ndGirl-" "But fou squezezed." ny hand so when
Doctor - "Wh, what an wosition for a learnod "Mysicil."." colere preserve us, Im
May thy
"etin' quitu nervous.
 Here I am ayain, c cilltren, reaty to enjoy
 I won 1 voel ti ready ; ; orf em,




Drawn by Dorothy Dumpli,ys she
CONCEALED , FRUITS.

## 2. Fill the kettle at the pump, kinilo a fire and set the tid

 3. I called to $m$ a to ,ask if I might go wi 4. Always keep lumber in a dry place.5. Thlore apparared to be signs of rain. 5. Thare apprared to be signs of rain.
6. To the Chief I gava a ieckiane.
beet sugar making in sweden.
 succepssful attempt in Canala to produce
foom the bo a a surar fit for fiumily use. In this issue we publish a letter froun Mr. Cull
in the subjert. As the subject is oue of very great importance to the country, we
give it more than usual prominence in our paper. We s,ive some interesting selected
facts, furnished to the U of Agriculture, from Mr. I. Franckwell, one of the proprietors of the oldest beet sugar factory in Sweden.
The factory at
Stockholm in 187() manufactured that at lbs of sugar, worth $\$ 180,0000$, and molasses worth $\$ 5,000$. The land on which the beets were grown is mainly a rich loam, drained ches. Both stable and artificial manures have been used. From 13 to 14 tons of beets per acre is the average crop.
Mr. Franckwell estimates that there are more than l,000 beet sugar factorien in
Firope.

A Plowman's Adventure.
In the fall of 1867 , I went on a druammin In the fall of 1867, I went on a drumming
expedition throu* h difterent sections of Georgia
 inullements. Inever labored more diligentiy
than I did for two weeks, in which tinie I made tha gratify ying sale of two turning plows-an
Eddy iron beam, and a Peekskill No. 199. One universal sentiment confronted, in de-
$\left\lvert\, \begin{aligned} & \text { fiant expression, every argument } I \text { could brigg } \\ & \text { to bear in favor of large turning plows:- "It }\end{aligned}\right.$ to bear in favor of large turning plows:- "It
will kill the land to use then," was the inva-
riat riable answer.
I arrived one Friday afternoon in a little
town in Alabama, to which I had shipped the town in Alabama, to which I hat shipped the
two plows named, as samples to sell ly. After
eatiug dinner I walsed over the way to wher eating dinner, I walked over the way to where
a dozen nen of the $t$ twn were lownging in the
she shade to escape the bunving rays of the Angust
sun. I midestly introduced wystlf and my sun, I madesty introduced myseli and my
business to the rap up, and was son engaged in
i discussion of the merits of the use of the large turning plows. One of the trentiemen
was not inupressed at all with my story of th
eapacity of one of my plows for turving. The eapacity of one of my plows for curring. Theic
was a lot near at hand which had once bee
cal was a ot near at hand which siad once bee
caltivated as arden, but since it had no
been cultivated that season, there had grow
and been it an elvornous growth of what are com-
upon-
monly calied raa-weeds. My incredulous dis-
putant wanted to bet ine twent monly calied rag-weeds. My tincredile dollars
putant wanted to bet ine twenty five dome
against the priee of the plow, that I did not
hit against the prioe of the plow, that I did n .
hive one that could turn under the ray-weed
in that lot. It being gavinst my training an in that lot. It being against my trallinge and
principles o bet, I declined his shallenge, bu
in its stead told him I world liie a team o in its stead tolld him I wortd hiire a team of
miles and turn under the weeds, if he would
promise to pay me twenty-five dollars for the
 agreed to the proposition, and I hired a pair o
nulles, and took the plow in hand. I attached
a chain from the double-tree, rumning back to
and the right handle of the plow, to drag the weed
into the furrow.

 1.t. The mules were spirited, and $c$ rrii d
the plow finely, and thoult the wert sto
fully six feet, there was little trice of them fully six feet, there was ittle trace of them
be seen whin I had plowed. I Ihat run a
a dogn
$\left\{\begin{array}{l}\text { a doz } \\ \text { upon } \\ \text { the } \\ \text { and } \\ \text { and }\end{array}\right.$
 injured, and that he was inclimd to resent



 Che hest tows, sir, you ever shv," I continued.
"Just nuice this mphathoard; turis uader the
weeds so thoroughy that this sarden will he




 arrectutuc; i luic shit tire so thed iuproved
with every lassing age, instead of wisting as is the case in our count,y, there was to
rasan why a pow shoutd injure the garden reath why a pow shout injure the garte
more tha: thie spule that tane ground when
it was a garden hai no doubt been spaded it mas a garden had no doubt been spaded
I became poatically inctind

$$
\text { Plow deen to find the } \mathrm{go}
$$

"Plow deep to find the gold, my boy,
Plow deep to find the gold,
Mow deep to find the gold,
Deept plowing will unforld."
Dreast
"A farmer once about to die, Ileave, he said, a smanl cratite,
But baried wealth to make est. But there go hulden treasures $f$ Seil one when they their corn had
Thig to the hordo our sire feretald,"

My off-hand way (and, as Willis Bigyer would call it, "ground hog,") speech. Bodified
the old gentleman considerably, and be agreed
that if I would give a written the old gentleman considerably, and be arreed
that if wout give written warrant, that I
would pay for the damage done the land, if it was daoalaged by dte the plowing. I Inight goo on.
This I agreed to do, and resumed my work
 year after, travelling the town, 1 saw some of hat I ever saw grow, and since that time have and the regions round about. So much for the result of my
Southerner.
How Moterr did I?
uspecially for Men to Read. We find the following "confession" going
the rounds of the papers, ard as it is one of cive it as snug place herein. We hope all the nen who conpliment their wives, with glowing
ccounts of "how m ther did $i t$," will commitit MAs to menory. We also suggest? to the
MARA ANs, the wrild over. to tollow out the
int to IAbIA ANN inagugurated. Here is where the "I Ioniuid fault
$\qquad$ Nr's custard pie, and tried to tell her how
my mother made custard pie. Maria made
he pie alter my recipe. In lasted he pie atter my recipe. It lasted longer than
ny other pie we ever had. Maria get tit on
he tahle every day for dinner he table every day for dinner; and yon see I put in any eggs or shortening. It wis econo-
mical; but ina fit of generociy I stole itfrom
the pantry and gave it to a poor litile boy in
 uckwheat cakes. It told Maria Amn any fool conld beat her making $t$ tiose cakes; and she
aid I had better try it. So I did. I emptied hid set the cakes my welf. I got the flour and the salt water; and, warned by the past, put
$n n$ liberal quantity of eggs and shortening. Fhortened with tallow rom roast beef,because
could not find any lard. The batter did not Hok rizht, and I int my pine and pondered. yeast. I went and woke up the baker, and
ot six cents'werrih of yeast. I set the pitcher
 "In the moring I got "p carly, and prepared
o nijy my trimpin;
vit I s.ap the batter wns rumang oll over the carpet. Then 1 git a tire in the kitchen and pat on the
rriddle. The first the of cakes stuck to the
Criddle. The second dutiod, nuly mi re Maria cance down duwn and asked mo what was burI did it. One ond of the griddle got to hot and I dropped the thing on my tenderest corn
while try.ng to tumn it around. FFnaly the
cakes were ready fur hrakfust, and Warip pot tie other things urady. We sit down. My
cakes did mit hare exietly the right Havir. I
 put one on her plate. I think those cakes
may be reckuned a dead loss. The cat weuld not tat them. The dog ran oft and stayed
away thren away three days after one was offered the thim.
The hens, wouldn't op withiin ten feet of them. not been a pig on the premi.es since. I eal wiat is put bofore me now, and do, on allude
to my mother's systent of cenking."
sugar beets in new jergey
Our readers have doubtless heard of the
very heavy taxes which now press on all velasses in the United States. prens on all
There are, besides the general taxes of the country special state taxes. So fully aware are they
of the aulvantages likely to acerue to th conntry from the manulacture of beet sugar has the State Legislature of New Jersey tor ten years any establishment exclusivel engated in the manufacture. On the Stat hect.s were raised as an experiment the Silcsian, which yielled eighteen tons an we on good grollun, and the Nursery which, on poorer ground, yielded nine tons.
Thirey were cultivated in rows inches apart, aid about ten inchem apart in I the row.

## 










 jumt sinch naturreren can be be nute on the firm





 in piles, and diot ineere and wase



 pied in the lilis of my murn nitu very satititac-













 hater, wind wive pou diot tuird yer



 dreal pounds the second ye ir, and froun lifte,


 fi ld, the: a ake it troun he st, bie to he fie d;
when t ken from the wascin, dey, sit whe e it
 un ler shet en; of it $i$. left up,nt the gromad it is leaching and wa hing away a the bim. and
 Now. accurdne to my plath, you hive go
yur minne all underciver. liat is the dupp ings arom all $y$ ur stick. whe'e thu rains call Ind le ch it, ,uy the witer ace whate in it to


 single man at the Macon Fair that has mada
pedoliar oi clear nooney ty making a compus



FARMER'S ADVOCATE.
 Carter's Patent Improved List for Jing Machine.
 Billintons
Trill, \&70.$\stackrel{\mathrm{P}}{\mathrm{W}}$

hite's
do
Improved Cultivator, 812 .
sands
s Little Giant Thresher, \$185. . Churns. of her varieties. Maple Leaf and other Ploughs, fr im $\$ 10$ Nopble Mnould Beard Plough, $\$ 5.50$. Walmsley's Patent Potato
Irom Harrows, from $\$ 18$ to $\$ 4.4$.
Chaff Cutters on the most apl Gardiner's Knot Cutters, from \$20. Cider Preses, single qear $\$ 30$, double gear $\$ 34$
Losen's Patent Bee Hives.
Grant's Pitent Excelsior Hay Forks, with three pulleys, $\$ 12$. farns, \&c., from \$10. Nathes'n's Patent W:shing Machine. $\$ 10$.
Im $\mid$ roved Clothes Wringer, with indian 1 ubb
$\qquad$ ronlers, 88.
Tay ors Pate
from 83.

$$
\begin{aligned}
& \text { from si3. } \\
& \text { Lamber Pate } \\
& \text { Lackman's }
\end{aligned}
$$

Lamb's' Patent Knitting Machine. $\$ 33$.
Gardner s Patent Sewing Machi'e, 830
Gaters Patent Sewing Machine, 855 .
Excelsior Lawn Mow
Excelsior Lawn Mower. This machine is the
easiest to work of any made; it took first
easiest to western Fair.
rize at Wer
Simpsun's Cattle Spice.

## VERILY TT HAPH NO ROUAL. CONSUMPTVES, READ !

Would you cure that distressing Congh and
bring back that healtiy visur till lately p anted bring back that healt thy vigur tirl ately $p$ anted in your cheek! If you would do late!
for ere you are aware it will bo too hate ; it has
Allen's Lunt Jakam is your hop Aven tried by thousads snch as you, who have
been cured; many, in their graitude, lar lent their names to us that suffering humanity can read their evidence and believe. .
experiment with new and untried mixtures, experiment wift it, but tr at once this in.
you cannot ano
valuable article; it can be found in any drus s ore an! at mont seneral stores, It is war
 in a few hymrs, if not of too lung stan
is warranted to wive entire satisfaction
ciscs of Lung and Throat difficulties Cises of Lung and
Price $\$ 1$ per botil


$$
\text { Marel, 18, } 1871 . \quad \text { Providence } \& \text { Momirral }
$$

## Value received cuaranteed



## an

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e

Carter's Tile Ditcher. $T \mathrm{HEP}$ PUBLIC ARE Mripbry Notifed
 who will supp:y pamplets to i.tending purchasers: AB LL. W oorlbrike.
LOH. I). AWYLZ \& co. Hannilt
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