our Machines
on, and purth in Mowing conclude the




LONDON, ONT., AUGUST, 1871.


## Persecution.

James Johnston's recent futile attempt to injure the Farmer's Advocate, and the Canadian Agricultural Emporium, have been of such a public nature as to excite a little commotion among someleading politicians and strong party men in this locality, and the desire now is by Johnston and his sup. porters, to be as quiet as possible about the matter, in order to divert attention from his recent acts, and to spread a report that we are opposed to the Western Fair, that we are injuring the interests of local manufacturers, and that our paper is a pohitical engine. We deem it our duty to no wise wibed words or acts are in no wise bibed by either party, that we and ers We heve petallowed ne ram sid to control us from either party Our suport han bee entirely from farners and we hope to be entircly frontains, aur we hope to be trammelled course. But the numeroun acts of Johnston, Carling \& ${ }^{\circ} \mathrm{Co}$, have been such that we cannot endorse them all, and are almost driven into the opposition ranks. However, we still follow the non-political course, as we believe that agriculture should be the main ruling power. We quote the resolution that Johnston got passed at the Western Fair Board: "Mr. J. B. Lane moved, seonded by Mr .
John Stewart, that this Board regreets to notice that thero are from time to time articles in the
Farmers Advocate, villifying the officers of the
Her Western Fair A ssocicition, and despecially touch

 purbic that thin resoldution ie senent dot to the the
The effects have not been very injurious so far--as the Board only took six copies for six months, and have not paid for them yet ; tbis is not much support for an agricultural paper of six years' standing, pub lishel in their own county. One member of the Beard, and one dealer in spirituous liquors, have stopped their papers, but to counteract this loss we have had the pleasure of entering inne new names on our
list than ever before during the month of July. The object of the resolution was we believe, to calse a doubt of our verac
ity, as some very important evidence depends on our testimiony in regard to the public management of our agricultural frairs, we sent the following challenge the secretary of the Western Fair Assocation


| Farr. |
| :--- |
| London |

"I Inereby
nir, or any of tho Dine thectors of the Wextern air, to a public discussion, to be held at any prove the correctness of the statements made inal acts, the judges in the discuusion to oonsist enve nearest counties to this, and for the pay50 to be depoexpensed by either opt the parties sc. money refunded, ang the vanquizhed to peay all
expenses of the said debate. The questions for epenses of the said debate. The questions for
debate to be selected from the Farmer's Advo ate by the judges, and all other matters concate by
nected
them.
P. S.-Beis W. Weld. ut right with the public, as your hate accusas

The first part of the clallenge appared in he two leading local dailies, but thas in been accepted, they have not dared an en and fair discussion. Had they done or in the Board to such an extent that ould not dare attempt any further oppo stion to the Provincial Board of Agricnlure or to the Farmer's Advocate. But eep, dark, cunning intrigue appears to be preferred, and anything and everything nust be ounningly brought out and agitated that can possibly injure us.
The great cry now made is, that we are Wed to the Western Fair,
We Lave continually advocated Agricul正 manner farmers. If so conducted they would be more real value to the citizens than it he interest of the citizens is first looke ater. We also say that political or sec tariau influence should in no way iuterfere with agricultnre. We contend that an Agricultural Fair shonld be for the sale on ostablisument of a Stoek Fair here, and establisbment of a Stoek lair here, and
terly; but the Western Fair does not afford a general market for Stock such as farmers can patronise for such a purpose.The great charge for entrance fee for stock, or for dealers, prevents this, and the compulsory regulation of making farmers keep not answer for such a four days would not answer for such a purpose. These Fair must be altered before tne Western Fair can attain the right position of what Wo a fair should be.
We should be sorry to see the Provincial is doing a great good to ; it has done and because a great good to the country; and condemn it we are said to be injuring the Western Fair ; and for that jeason must be obliterated.

## Board of Agriculture

Is the Provincial Board of Agriculture o be maintained or not
We all know that mismanagement crept into the old Board. It was exposed and hecked. Notwithstanding all the mist admit that it did ol bard and has been worth to the country gll that it cost. The new Board appears to be dol ing everything their unitel wisdom and power can do to advance the interest of agriculture, and we think they should be maintained. There are many practical men in the Board who know the require ments of the country. We consider that the new Board did right in refusing to dispose of their present building, and to re move their establishment into the Parliament building, as they were requested to o. We do not think that the new Act, which the Sinister of Agriculture han lected law, compelling the members to be involves the members in a great deal more expense and trouble, and new men are not so well prepared to conduct the business as those that have had some experincc. We fear the new Act has been brought in on purpose to endeavor to get a particular friend of the Minister of Agriculture into office in the Board, and ane too great in several ways to make agricultural ex-
ponditure a strong political sclames ${ }^{\prime}$ and penditure a strong political schemes and
we consider that by making it a political engine a great injury would be done to the agricultural interests of the country.

## An Example Worth Following.

 We were favored with a call from Mr and Mrs. George Alway, of Komoka, on the 14th of last month, and were pleased to learn that having got their hoeing and haying over and a good start ahead of their work, through taking time by the forelock and good management, were just returning home to commence harvesting the following Monday, after enjoying a week's holiday, going back to the labors of the farm with renewed vigor and pleasure. How many of our farmers deprive themselve of a little recreation between haying and harvesting, and have to plod all the hot being behind one day with the or al being belind one day wia the work, in Let such be taught by the above fact when they will have more pleasure in their work and it will be better done at the work time. Perhaps Mr. and Mrs. Alway may be inclined to broom-stick us for the liberty we have taken, but we willingly run the risk, hoping that by their example many may be induced to adopt a similar course and thus be enabled to give themselvea and wives a holiday in midsummer.
## The Potato Bug.

These pests are gradually extending their way eastward, and are increasing in their destruction. The majority of the farmers here and to the west of us, in Canada, have, by patience, perseverance do watchfulness, been able, so far, to save their potatocs. But every here and there some ignorant, careless or negligent person allowed the beetle to destroy his crop, propagate enough, of the pests ought $t$ mote. Such careless farmers ous sing their crop of potatoes, because they cause, by their neglect, the increase of the pest.
On t
On the 13th of July, 1871, we received he Government Report concerning the potato beetle, and found therein very little ro, and some that we gave last year. The yo, and some that we gave latt year. Th

## FARMER＇S ADVOCATE

is the Government advertising a Toronto chemist as a supplier of Paris Green，ani arrangements having been made by them to supply it at wholesale rates，namely，at 30 cents per pound．This is nothing more than any wholesale chemist in this city will be glad to do，and have been doing and this of the very best imported quanc． or course
unds are sufficient to About 3 nounds are sufficient to dress Flour is found to be preferable to plaster or lime to mix with the Paris Green，as it will stick better to the leaves and does not wash off as casily．
Some careless individuals make an excuse for not killing them．First，they say they are poisonous；secondly，they say the pota－ toes will be poisoned．The Paris Green has not been known to injure the tuber， and it is doubtiml about the tales of the poison of the insect itself．But even should they be so fastidious，they could adopt the following plau，which we clip fom the Michigan Farmer：
The Potato Beftee．－One of the sim plest and most effective plans of dimin－ saw praveticel last week on the farm of E saw prarticed hast wee Mills．At the pre－
L ．Boyden，of Delhi Me
sent season the larve of the beetles has sent season the larvee of the beetles has
grown and increased so that it is a very grown and increased so that it is a very
bloated looking，soft skinned，orange tinted insect，somervhat roundish，in form，and insect，somer easily made to quit its hold
consequently ent it just preparing to drop on the leaf．It is just preparing to drop
to the ${ }^{\text {＇ground }}$ and to bury itself prepara－ to the 「ground and to bury itself prepara－ tory to entering upon its changes into the of peachblow potatocs planted，which look very fine and promistng．On saturday
afternoon he started a man and a boy into afternoon he started a man and a boy into
this potato，patch with a tub of hot water this potato patch with a tub of hot water，
a bushel iasket，and a gool sized hand－ a roing．The boy held the basket so that the potato－tops of eachl hill were bent over into it，and the brush was used to sweep off the insects into the basket．－
Every hill was gone over in this way，and the bugs emptied into the tub of hot water． Fully a third of a bushel of the insects were gathered in this way and destroyed
trom the two acres by eleven o＇clock in the forenoon，and the potatocs were left pretty clear of the bugs，but not altogether，as a visit to the field the day after showed us a tew of the insects on the vines．This me－
thod of clearing the crop of potato cuas scemed effectual，speedy and cheap at the present time，and is about as good as any
that has come under our notice．The at－ that has come under our notice．The at－ tempt to pick them each oft by hand from
a large field，is too slow，and this is cer－ tainly an improvement thait may be ad－ tounty an thiprovement season with consilerable success，as a plan of at least checking the
insect，in a stage of its growth when it can nsect，in a stage of its growth when it can
be most destructive，in preventing its in－ crease．

## Fall Wheat．

Sced time will be here immediately．－ Many farmers have already made up their minds what kind they intend to sow．Of profitable，but it is with wheat as with mimals，localities and circumstances differ． A whale，a seal，or a polar bear would not thrive well at the equator；neither would an elephant，alligator or monkey thrive on the coast of Labrador．From our linited means of observation it is our opinion that the Scott wheat is the largest yielding va fety that has been in any way extensive y tested．It is a white chaff，bald，red Wheat．From the most reliable informa tiou and observation we believe it wil vich more bushels pergacre than any other
variety in Canada，－taking the whole
amount sown．This wheat is stiff in the amount sown．This wheat is stiff in the
straw and stands the winter well．It is of good quality，and yields from three to five bushels more per acre than the Dieh or Treadwell．
The Diehl is giving satisfaction to all that sow it on good loamy soil，or sharp， dry land in good order．It is a very fine quicker in the head than any other wheat we have noticed．It is now extensively we have noticed．It is now extensively
raised in nearly every part of Canada where fall wheat is raised．
where fall wheat is raised．
The Treadwell is more adapted to the trong clay land．It will not winter－kill as easily as the Diehl，or many other va－ favorite whent for clay soils．It stands vell，and does not shell or sprout as easily is the Diehl．It is of an amber colour the lour it is very good，better than it lonks． and some good judges consider it superior to the white wheats in strength and qual
The
The Weeks wheat is a bearded，white chaffed，white wheat．It is well liked， tands the winter very well，and is not lia le to lodge．We like this wheat as well sown it three years，and find it of cood sown it three years，and find it of good adapted to either light or heavy soils．
The Mediterranean variety is still in avor with many．It is as hardy as any ret introduced，yields well，and on low wet，damp ground，or on badly cultivated land，is equal to any kind we know of but the quality of grain is not equal to some other varieties．The Mediterrancan， constant sowing in our climate．In fact all wheats appear to become finer by cul ivation with us．
The old Soules wheat is now again com ing in vogue．The midge does not appear to be affecting our crops as formerly．Par isites have increased and destroyed them， and all uld farmers who made money from the above variety of wheat before the midge prevented them from raising it，will be very apt to take to it again．Those who have raised it this ycar are well satis－ fied with the result，so far as we have heard．
The Boughtom is the carliest wheat to ripen．It is a week earlier than any other kind．This might be of great advantage to those north of us，and any place where the midge is bad．It is very short in the straw，and stands well．It may not be quite as hardy as some other sorts．Many like it well，but we do not think it will come into vogue as much as many other varities．
It being too early in the season to de－ termine what will be the probable value of seed grain，we cannot quote definite prices，although we do nut anticipate any serious departure from those now ruling． Those who may desire to purchase may have our fixed prices sent to them on ap blication，when the season is a little fur－ ther adrauced，and the yield of the present （in）somewhat becter a Postimateal．A cond one cent，postage incleded，with ie prompt ly attended to by us，and the requisite information given．

The fall wheats are all coming on well
in this part of the country．We cannot tate how the different kinds yield until hey are threshed．The machnee is now
in operation，and some wheat has already n operation，and some wheat has already
been sold，but as yet not enough to en－ been sold，but as ye positively state the difference in the yield．
We shall have a very clioice lot of hand－ picked Deihl and some good hand－picked
Bearded Treadwell，but of the majority of Bearded Treadwell，but of the majority of
the old varieties it will be impossible for us to supply them entirely pure，as the most of farmers have them somewhat mixed． If any of our readers have a really pure
sample of Soules wheat unmixed，we should thank them to inform us，as we wish to procure some．
There will be three new varieties of fall wheat offered this fall from different parts of the country，namply，the Hex wheat， the Arnold wheat，and an American wheat．
These wheats will be procurable at $\$ 4$ and These wheats will be procurable at $\$ 5$ per bushel．We shall be able to sup－
$\$ 1$ ply them，but wish to know more about them and the results of the yield before
civing an account of them，and wish to giving an account of them，and wish to
compare statements and samples before compare statements
writing about them．

## Trial of Emplements．

The Provincial trial of Implements－ which took place at Paris on the 19th＂and 20th of July－was a grand success．We has been undertaken by the Board of Agri－ as been undertaken by the Board of Agri－ the best test of implements that has ever aken place in the Dominion．
The weather was favorable，the fields were all convenient，and of ample size， tuated near the railway Station and the own．The attendance was large，and ene vere numerous．The Julges aipeared to eren that understood their duty pretty ell，and were determined on arriving at as correct decisions as possible ；and we believe a greater feeling of satisfaction was expressed at this trial than at any exhibition that was ever previously attend－ d．Both the Grass and the Grain were ery light－such as any machine could vork in．We only noticed one small cor－ ner of lodged grain．Many would have preferred seeing the implements work in heavier crops，but matters cannot le ar－ ranged so as to suit cverybuly．If the reaper and mower men had an easy time of it，the ploughmen hiad it hard cnough The land was a sod field that had been badly run down，and so stoney that if the teams went at an ordinary rate the plough man might have been pitched over the plough．However，they managed to mak a test．Only a few ploughs were entered The trial of Sulky Horse Rakes was a new feature in our exhibitions．We be lieve these implements will come mo The Cultivators；Threshing Machines， Harrows，Grain Crushers，\＆c．，were all of the best kinds，as the manufacturers of in－ ferior implements knew it was better for them to stay away．In some classes it was very difficult for the Jugges to decide which was the bent bor more machines beng so mear equa． asgricved－especially in the reaping and aggrieved－especialy ine were many really
mowing classes．There mowing classes．There were many rad jutinue of admirers，who considered it su－ bevier to ail the rest．We cannot speak too highly of the machinery in general． Not feeling quite well we left the ground bcfore the completion of all the
tests，and have to rely on the reports
the Globe，of the result of the trial．
As our paper is made up early for the month，we will have to give fuller reports in future numbers．
The Local Socicty gave the Exhibitors and visitors a dinner，and aided the Pro－
vincial Board in every way that laid in vincial Boar
their power．
their power．
We regret that Middlesex should not We regret that Middlesex should noc have be
turers．
The following is the award of prizes，as
early complete as had been officially no－ nearly con
tified ：－

## PRIZE LIST．

 single mowers．1 st Prize，Brown \＆Patterson，Whithy． 2nd＂＂Bell \＆Son，St．George． SINGLE REAPERS
1st Prize，Brown \＆Patterson，Whitby． 1st Prize，Brown \＆Patterson，
2nd＂Harris \＆Son，Beamsille．
3rd＂D．L．Sawyer，Hamilton． 3rd＂D．L．Saxyer，Hamilton．
tth＂Massey，Newcastle． Massey，Newcastle．
combined mowers． 1st Prize，J．Forsyth，Dundas． 2nd＂Noxon Brothers，Ingersoll．
3rd＂A．Harris \＆Son，Beamsville． ist Prize，J．Forsyth，Dundas． 2nd＂＇Noxon Brotherss Ingersoll． ord J．H．Grout，Grimsby 1st Prize，J．Davis，GGuelph． 2nd＂J．Soutar，Chatham． threshing machines． Ist Prize，J．Watson，Ayr． 2nd＂Glassow \＆Marpherson，Chint
3rd 1st Prize，Alexander Rohb，Indiana． 2nd＂، John Campbell，Norwichville 3rl＂R．Lean，Stratford．


2nd＂T．Clarke，Hampton．\＆ The following are the names of the dges in the respective classes：－Single Guelph；J．Anderson，Rednersville；Wm． Bell，Rogersville．Combined Reapers－ Georye Hyde，Shakespeare；W．Patterson，
orth Easthope；John Tennant，Paris Vorth Easthope；John Tennant，Paris．
Conitined Mowers－J．Rymal，M．P．； ames Stirton，M．P．P＇；Alex．Dobson． Ploughs and Cultivator－A．MrKellar，
M．P．P．；George Bell，Turkersmith；W． Robson，Falkirk．Threshing Machines－ Reo．Robscn，Lobo；Loth Daxtnn， drafted machines．
With the single marhines the drafts were as follows，the
taken into account：
$\qquad$ combined reapers．
These were tested in a similar manner， came more nearly up to the actual number of eutries than any other class of imple－ ments at the trial．The following is a
summary of the drafts as shown by the summary of the drafts as shown by the
dynamometer．As wili be be seen，there was a remarkable unifornity in this re－ spect：－


## Great Britaln.

The army Purchase System.-The opposition of the House of Lords to the abolition of this grievance has been completely overcome, by the Queen cancelling he royal wars in the army of commissions in the army. Mr. Glad tone advisect her Majesty to the this step -which cannot an the gill tion to the body of the peope, a will feel he Lords and other aristocrats winf fee heir rights asseclly in oposition to their step taken the Legislature Progress is branch of the day and there can be no the order dhe this is wese in the right di doubt bu
rection.
This subject is not quite in our way, but elieving many of our teaders may feel an interest in it induces us merely to mention

## Letter

To the Directors of the Provincial Board Agriculture.
Gentlemen.-I sincerely thank you for the honor of being requested by you to act as one of the Judges at the late trial of Implements at Paris ; but being desirous of being left open to make my own re marks on implements an agrictutural affairs in general, and knowing that many hundreds of farmers were present as capa ble of acting in that capacity as myself,led me to decline acceding to your request. Thope, therefore, that my refusal will not appear to you as in I took no interest in the exhibition, as I car assure you It was highly gratified to mark the great progress sud efficiency in their various machines manufactors in inder ishing the agricntural interests of the Dominion ev
W. Welp.

Patent Washing Rachine.
We are continually called upon by ratentees of new implements and machines, and of all our callers, the churn and washing machine men are the inost numerons,
an 1 we are often compelled to act abruptly to get rid of these pests, as we call ly to get rid of these Westa, Mathewsou, of Brooklyn, called here ou Saturday with : new washling nachine and with numerons testimonials from his section. We directed him to have it tried ly Mrs. Mckenar, in this city, as they have a lot of dirty clothes to wish from the numerous hands employed in the machine shop. We had pevionsly scut other washing machines on and rejected. But Mr. Mathewson's gave entire satisfaction; it washes easily, does not imjure the clothes, and wilt do its d must say we welieve to be the best yet invented. It works on a rocking principic, and presses the clothes between two grooved boards tightly. The wish Mr. Mathewson success in the sale of his patent rights. Licery farm homse ame we all know our wirss and daughters have to work two hard. Anything to nid
them is an advantage to the gountry. We may state that what trok Mrs, McKellar
a full day to wash in the ordinary way, Mr. Mathewson did to her satisfaction in one hour and ten minutes.

## The Races.

The Races took place in this city on the 21st and 22nd of June, and were well attended. They went off well, giving more satisfaction than usual. There was less fighting and drunkenness than generally did not hear of a single fight, and only of one ruuaway.

The annual sale of thorough-bred and trotting colts on Alexander's great breeding farm at Woodburn, Ky., June 28, saya the Western Farmer, was very accessful, as shown by the following aver ges:-22 thorough-bred yearling fillies old for $\$ 12,065$, an average of $\$ 548.41$ acn; 24 yearing thorough-bred colts soll or $\$ 14,635$, an average of $\$ 609.80$ cach 10 trotting colts of various ages sold for 3,285 , an average of $\$ 328.50$. The hish st prices obtained rugh-bred ycang col, at horough-bred ill. O the 46 thorough
 less than ence each- The thorough-hred olts were ly Lexincton Imported Austra ian, Asteroil and Planet.

The Potato Bug Again.-In using yood Paris Green it is found best to mix it Plaster of Paris, as it kills the burs better It has been noticed that an overiose of he poison does not kill them as well as a smaller quantity. It is said that large doses have been romited hy the buss, and they have in some instances recovercu. Stone, of Guelph, recently lost two ver valuable Durham Cows during a heavy gale in the Atlautic. Healso lost eight Berkshire Pigs. Six Durl:ans, we believe arrived all right.
We Mr. Orlando Allen, of the Township of Zone, has purchased the Durham Bull hat paper. We helieve this is the first thorough-bred Durham taken into that Townslip. We hope Mr. Allen's ncight bors will appreciate his enternrise.

Bee-Keeping versus Dairying.
The Middlesex Bec-King, Mr. Atwood, of Lobo, called in our office a few days ago, from whom we elicited the following
nformation :-He wintered over 11 skips formation :--He wintered over in 1970, which he increased to 33 kips for wintering. From this stock he sold $\$ 2.5$ worth of honey, and from the ale of bees and hives he realized for his profit for two months' labour attending heir sales, fairs, \&cc., \$400. He also kept 12 cows last year, and made cheese, and realized $\$ 100$ more profit from bees than from all the cows. This sprity he hat 20 skips, having disposed of the others in the fall. From these he has alrealy (July (i) taken a little over hep lis. of henes,
them. He increaced his stork from the
20 to 40 ; he dill this beforetading homery
from them. He atuributes his sucees to
from them. Te lalian Bee, the Honey
a good ceason, the It have, and knoving how
Extaur, a goot hivas.
to manag.
to manage.

## Feed for Calves.

A highly intelligent correspondent of the National Live Stock Journal, after having visited most of the leading herds of Ayr shires in this country and Canada, ex presses a fear that the future usefulness of attempt of Ancrican breeders to make them resemble the Short Horns, or some ther model. In Scotland he says the alves are soon turned to grass, and genaally appear lean ; there slower development and later maturity obtains than in his country. He has also observed that Ayrshire cows show to best advantage in elds of ordinary rather than high fertili y, and that when taken to England from he poorer pastures of Scotland, the dairy qualities decline, and the grazing qualities ecome more prominent.
Dr. Wilckens, of Pogarth, Austria, is the owner of a large dairy, and hats carefully investigatel this subject, and says he
now aims at the slowest possible development of the calf, so that it brings its first caif at from two to three years old. He favors keeping calves raised for beef, fat at all times, feeding them largely on milk;
those raised for milking he would keep hoan, and early teach them to eat more bulky and less nutritious food than milkas the grasses.
In commenting on this, E. W. Stewart, in the New York Tribune, while agreeng in part, dissents from some of Dr. Wilc-
kens' positions. II is not in favor kens
slow development of heifers. His experience in raising 40 or morere heifers is that one sufficiently developed and comine in when two years old makes a better milke
than one coming in at three. He has had than one coming in at thece. He has had milk after being taken from the cow at three days old, giving three ounces of oil meal per day for the tirst three weeks,
increasing the amount, and also tempting them to eat grass.
This question is one of much import-
nce. It seems to be generally adnitted hat a heifer designed for the dairy should the degree of Hesh that may te allowed, and the best kinds of foods to develop milk-giving qualit
ence of opinion.

Cating in the Cars.
Hall's Journal of Health says :-Most of the bencfits of summer travel and recreation are over-falancel by the :almost trains purchasing something to cat of apples, cakes and other trash, who passes through the cars, with the result of leaving but a little appetite for the regular ineal,
besides a seneral indefinatle feeling of discomfort, of wanting something, they know not what.
Parents of small children seem to think hat the best way to keep them from eter nal yeling is to stuff them
cakes and candies, and as fast as one supply is disposed of another is provided,--
naking such a mess on the floor and seats nakng sucha a mess on the floor and seat hen-coop. By provinng sweet cakes and
candies thirst is induced, then fulness, then indigestion, wind and a universal vaterwauling off squalling brats, who ought to
he spanked within an inch of their lives, le spaked within an inch of their lives, loat of sixty or a hundred travellers in a
disturbed condition. disturbed condition.
br allow.al to cat ony the cars should no crs; then they would not grease the seats, the stomarcha he half the time; and as
for grown persons, not au atom should be caten all day long, rxeept at morning, noon
and nixlit meals,

Editor Farmer's Advocate
our coúrse approved.
My Dear Sir,-I have been much pleas-
(and so have several others in this localdy) with the independent course you evince n the masagement of your valuable journal. It secms strange that the present minister of agriculture should give such taking in the interests of Agriculture, like
yours ; but likely any assistance at his yours ; but likely any assistance at his sort of halli ministerial organ. I imagine that Carling's term of office will be of short duration after the new house meets, but I am afrand that even were the preexpect any encouragement from them, as they would most certainly support Brown's paper, the Canada Farmer. But still, if
you keep on as you have done, in the you keep on as you have done, in the the end, irrespective of either party. You may lave trials and troubles, but you will
most assuredly conquer in the end, and most assuredly conquer in the end, and
have the sympathy and support of the have the sympathy and support
sincere aud true friends of agriculture. I was yery sorry to hear of the dastardly
manner in which you were used by the manner in which you were used by the Western Fair party, but such acts wil ouly recoil on their own heads, and destroy cerely trust you will outlive. as a journal ist, the machinations of so miserable a clique as the Western Fair Committec, o other enemies of progressive enterprise.
The circular you addressed to the differ. The circular yourils was, I think, a ste in the right direction, but to bring the matter more home to the farmers themcircular to the various Township Councils and it would most likely have the desired effect.
I have Thave been thinking of writing or sendthe Advocate, lut from the very able staff of correspondents you lave had writing or you from time tor anything for your valuable and well connucted journal.
Wishing you every success, and that you may be long spared to continue the inde-
pendent course you have hitherto followed, I remain, my dear sir,

Respectfully yours,
R. H. MoManum,

Tccumseth, Bonl Head P. O.,
July 17th, 1871.
We insert the above as a specimen of tho umerous encouraging letters that we are in receipt of. We take the liberty of puib lishing it, as our corresrondent has con remplated wo for would like the wo mare that cultural se the centleman at any place we have bay he posure some day It is consoliug to have the inhabiday. .f the country, yenerally, approving tants of our coursc. and will be pleased to insert articles, even should they differ from our own views. We wish both sides to be heard.

The Enpuring Tmisc. - Wealth, and power, and prosperity, how pecculiarly transiwiry and uncertain! But religion dispenses in poverty, in exile, in sickness, and in death.
The essential superiority of that support which is derived from religion is less felt, at least it is less apparent, when the Christian is in ind
possession of riches, and splendor, and rank, and all the gifts of nature and fortune. But when all these are swept away by the rudg
hand of time or the rough blasts of adversity, hand of tme or the rough blast of advershy
the true christian stands, like the glory y
the forest, crect and vigorous, stripped, inded the forest, crect and vigorous, stripped, indeed, of its surnmer foliape, but miore than ever dis-
covering to he therving eye the solid strength of his substantial texture.-Wilberforcs.

## Orchard Grass

This grass is a native of Europe, wher it has beel cultivated for over a hundred yar, meeting with great faror for pas cell and meadows. It thrives tolerably the namer the shade trees, hence one of bout the time of grasi. I ripens early, very soon after teing rowenl. It is rery nutricious, and nuch liked by cattle if not allowed to get too old and large. It should be sown thickly and cut carly for meadow. It is apt to grow in bushes ar tufts. In many places of Eugland it standa hione of all grassea in ralue. In matwe perte of Kentucky it in suna amme exchew with red clover. ln some rich, hew timbered land we know it has, a her a few years, nearly ruu out when sown with Where it succeeds, if crazed down and the stock are turned oft , it will be ready for re-grazing in less than one-half the time required for June grass. In summer it is said to grow more in a day than June crass will in a week. It has been neclected because it is the fashion to sow timothy and clover. Fashion is as much a tyrant among famers as among the ladies, though Mr. Hyde, of Massachusetts, says in Mr. Hyde, of Massachusetts, says in a
recent lecture that he has mowed one piece for eight years, twice a year, and that it is
as good as ever: It must not be allowed as good as ever. It must not be allowed to get too old before cutting, el
stocks become too hard and coarse.
In Great Britain it is said to endur drought when everything else is burned
up. An emincut farner of Scotland says: up. An emincut farmer of Scotland says: "Cock's foot is probably the best known indigenous grasses." Flint, of Massachusetts, says : "Its rapidity of growth, the
luxuriance of its aftermath, and its power luxuriance of its aftermath, and its power
of enduring the cropping of cattle, comof enduring the cropping of cattle, compecially as a a pasture grass." All agree that it should be closely cropped.
praise it, others call it worthless. Sow with other grasses on account of its Torming large tutts when grown alone.
One author says do not sow it for lawn, because it grows so fast you would be
obliged to cut it every morning before ralff
The grass is worthy of a fair trial on $\mathbf{v a}$ Tons soils and in various climates. We
should be glad to hear from sone who have found this grass to succeed in Iowa,
Illinois, or other Western States; the Hlinois, or other Wcstern States; the
soil and treatment of the grass. We advise
stanses.

## A Potato Bug Parasite.

I have found an enemy to the potato fus in my patch. I hesitated to speak times with his lance into three different hug. The first two times, the P. B. was deal before I saw him, but the last time I saw the whole affair. Tho Doctor adranced, and made an attack on the young P. B., by running his bill or lance into P . B., when P. B. rolled himself up into a round ball, making quick movements with his legs. The Doctor kept lacking up and down the vine, as long as there was any movement. When the movements ceased on the part of P. B., Doctor stood
rtill ant drank lis fill. I took Mr. Doctor around among my friends to see if var. some thought it the squash bug; all the hoys who saw him said it was the
pumpkin bue. I went to my squash vine mitch, with this differenco: Mr. Squasi moth, with this differencu: Mr. Squagh
Bus wht muth larget, tud very dary botil
on breast and back, while my Doctor is of A light drab color, on the back, and still The following doggerel has been suggested while meandering through the potato vines:
What will I do with my Early Rose,
To keep, then clean and free from foes?
'Vo tried to "bug" with kerosene,
But that I find won't teep them clcan, For if too much on the pep then is plea,
It kills the potato down to the root. The next $I$ tried was tobacco tea.
Some said $t$ was good.
Ithought $I$ d see. Some said t'was soow. I thought I
I'min saisfied that that won't do,
For I really think the bugs can che For I really think the buyt can, chew.
I rean in "The Farmer of Paris Gree
The lest reed Theal in The Farmer of Pamedy yet tried had been;
The mix ture one-third to two of flour, The mixture one-third to two of flour,
Stook ovesthe plant ate an early hour,
When the bugs want to lreak their fast, They'd keel right over and breathe their last. The best of all the things tive tried.
But one thing more I wish to say, But one thing more I ITish to sa,
Of what I saw the other day; The bub that infest the pumpkin vine
I begin to think is a friend of mine, I begin to think is a friend of mine,
I caught him killing a potato bug,
Of two evils, the least is what I'll hug.

Breaking Heifers to Milking. Frye, Jr., writes as follows to the Lewisto "All dins important subject. training or education. The steer may require more training than the heifer, because the
uses are varied to which he has to become ac customed to make his labor "skilled" and
practicable. While the cow may not need to practicable. While the cow may not need to
be cchooled in these thigher branches of practical studies, she should be taught that to
stand ,quietly while being milked, and to
"hoist") the stand quietly while being milked, and to
"hoist" the right foot and place it back of the
"ther, are virtues to be commended aud re other, are virtues to be commended aud re-
warded by kimeness at least). No animals
should ever be allowed to pass should ever be allowed to pass their first win-
ter without being thoroughly "halter broke," so they can be led by the horn, or with a rope
around the neck around the neck, gently and peaceably,
Doing this when they are young and easily Doing this when they are young and easily
handled saves a vast amount of subsequent hard work and perplexity, and, may be, the
animals many kicks and blows. There is a animals many kicks and blows. There is a
great difference in teachers in this kind of science as well as in the four-fuoted pupils. Some
teachers I have seen did not evince hane teachers I have seen did not evince half the
sense as the cattle they undertook to train sense as the cattle they undertook to train
On the other hand, there are sonie animals of perverse or non compos mentiis that it seems almost impossible to teach them the tirst ru-
diments of good manners. But, certainly, in most cases there is nothing gained by letting
them grow up in these uncouth ways them grow up in these uncouth ways, think
ing to take them in hand at a yater day ing to take them in hand at a later day.
Train uchile young should be the motto of Train while
the barnyard.
"Many an otherwise excellent milker is
spoiled for life by harslı treatment. It is better to govern by gentleness and kind treat-
ment than by harsh means and fear of the master. A heifer if well broken to the miik-
pail, is thereby five per cent. more-an increase which will
pay for much painstaking. The handling of the udder and the process of milking is a very
unusual proceeding and in addition the teat unusual proceeding, and, in addition, the teat
are often tender, and the bagg caked and inare often tender, and the bag caked and in-
flamed so as to be painful under even the gentlest touch. How often in such a condi-
tion from pain and apyrehended danger she
almost unconsciously aver the milk-pail, and perhaps hits a well-
deserved "thwack"
and bungler upon the milking stool, and then kicks and bruises are freely interchanged be
tween the frigltened brute and the iuritoted

## master.

"First teach all your animals to love rather coning by your Lesents of them to nubbin of corn, an apple, a little salt, etc., on all occasions whe
practicable. Handle them freely, and ge them a accustomed to your touch by rubbing
and scratcting them. Heifers thus accus and scratching them. Heifers thus accus-
toned to being handed will soon come toned to bieng handled will soon come
seemingly like the operation of milking.
ling seemingly hike the opreration of miking.
once lad a heiter that from having exceedngly sore teats contraceed the hal it of rum-
ning avay rom nee, when nilked in the yard before the milk was half down. All my endeavors to lireik up the habit failed till, as a
last rosort, wlen she started away from me,
cowdt cuught up the pail with one land and sezerel
one tind leg with the otier, and hell on flumy. After hopping a
severe kicks and

and calmly submit ted to the process till milke
clean. Two or three such !erso ns cured he clean. Two or three such less in cured he
entirely. Such usuage weuld probaby hav
frichtened her and
 she becn unaccustom,d to being haulled and
petted. But a few lessons gave her an under petted. But a few lessons gave
standing of what was requirell. quently any attempt of a repetition of it
misdeneanor would be suddenly checked b misdeneanor would be suddenly checked by
nierely pacing my hand qently upon her leg.
"It is very important that cinws af any age be milked clean, but more especially slioun this be practiced with heiters.
secrets of butter-making lie
secrets "ut butter-making lie just here.
need hot tell those that are used to the ca
of cows and dairying the of cows and dairying that the last trawn gil is neary all cream, and when one of these
little measures of milk is left in the uulders o several cows, as a careless milker will often do,
no insignifieant quantity of the richest milk is no insigniaan
lost every day.
" Bnt this loss. Leavisg milk in the curw's bag has most deieterious effect upon the cov. Un-
doubtedly many doubtedy many cases of garget mimght
traced to this neglect. And the habit, if per
sisted in any len sisted in any length of time, will cavse
gradual falling off in the miik, and the corv
will be very unlikoly to recgain her full miikin will be very unlikely to regain her full miiking
powers again. This natter is worth more than a casual thought. Heifers, the first
year of their coning into the dairy, should be intrusted to no inexperienced or careless
milkers. A good milker will draw the mik in silence and quickiy. Ned, andow yourself
leave a cow half miked, and then return an finish, thinking to get the full complement
that the cow would give. This habit is nearly as bail as the one spoken of above and it
practice brings about the same results. such means heifers often contract the hab
of withholding their habit and often not easily cured. A A good
milker will attend to his work and drav th milk clean as quicickly as possible and and drawthilisis
the habit of giving down frecly-a a valual item in a young cow."
We extract the above articles from the Fichigan Farmer. There is a difierence of opinion expressed in them in sene ways but both are right in others. Farmers, to know our business we must read and obgument. There are thousauds of farmers that say agricultural papers are of no use they can do without them; many things
re wrong in them. Can you noiv say are wrong in them. Can you now say
which is the best-to pat our animal on, or leave it to its natural course until re uired to be utilized?

On the Breaking of Colts.

## Wm. Sirong of Kalamazoo, writes very sen

 on the breaking of coits and their handling which are sensible and proper. We belice hat colts are better left alone, uuless thor pose, but there is a difference letween liand ing them judicionsly and petting them so that they become vicious and stubborn. Mr. Strong thus comments on the "milk andwater", plan as he calls it, by which pets are "It is is very commence breaking the colt when Sood management and and carefult handling for wo or three years, by the time he is old
nough to be put to work, lie will be all enough to be put to work, lee will be all right, have him.
"Now t
some cases this treatnentit whill no doult an swer, as some colts will make no tronde with
any treantarnt. But in my experience, which ny treatment. But ill my experience, winay
extends to the breaking of fualy colts always
attended with good success. I have almost al attended with good success. I have almost al
ways foond that those coits which had been petted and had been taught many fine things,
vere by far the most stubborn wind wilful, while colts as wild as deer and had never been
haudled a paricle, when they found themhadled a particle, when they foume thein
siclves in the hands of some one more powerfiul than they, would readily yield obedience, as
fist as mide. to understand whut fast as made to understand what was wanted.
it does not take a colt a great while to
lainn the things necesssary to make hinn handy harn the things necessary to make hinn handy
to ride and drive. It is not to be understoo that he can be made an old horse in two or kind ard teachuble colt, grovided ho ham not
been nearly spoiled by petting. Which hei-
fer is it that is inclined to uso er is it that is inclined to usting. Which heie her horns too
reely, when the owner comms to reev. when the owner crmis too near her
headi The pet always. Which sheep ars
the boys most afraid of? The pet of court So it is wifth the colt. If hee has heen petted
all lis life, he has learned more things that So it is with the coit. 1 Inerl more things that
all lis life, he has
are an injury to him than benefit, and it takes Wre an injury to him tham benefit, and it takes
time to unlearn them."
The foreooing must not be construed as The foreoging must not be construed as he coit, or throwing clubs at him when in
each, to make him wild, but to let hime alone teach, to make hin will
How to Acquire and Eecp Propersy I wou'd never advise a young man to learn
mechanical trade with a view of following it or life as a means of subsistence and a cunlpetency in old age ; but I would carefully ad-
vise every young man to becune faniliar with,
nd if pussibie, master of the trade most near$\sqrt{2}$ allied to the coccupation he intends to pursue. or instance, if I thought of dealing in cloths
or reandy-made clothing, I would learn the taiIor's trade ; if I I thought of spending iny life in id
hhoe store, I would learn the shoemaker's trade; if intended to devote myself to farming- the
best and notisest cocupation of all, as it is the base upon which all other trades, and profes-
sions rest-I would rather learn the carpenter's sions rest-I would mather learn the carpenter's
and joiner's trade than any vother, as it will
oftener come into nse on the farm. That and joiner's trade than any wither, as it whil
oftener cone into nise on the fam. That
farmier who uuderstands this trade has many dvantages over one who does not, and has to
cun to a mechanicfor every little job required to be done on a farm. Even if yin work but
a short time at the trade, say one calason only, inder a god maser, you will fiud the know-
ledge of great benefit to you many times. If young nari is robust and heathy, this trade, a cominection with h good practical education,
sufcient to qualify him as a ieacher of a district sufcient to quainy him as a ieacher of acdistrict
school in the winter season, with the judici-
ous use of his time in summer, devoted to his ols use of his time in summer, devoted to his
trate, is about as good a tatit in life as any yount man call have, whio is not fiunished with
hap. tain ready to his shand, and the rare facul-
o to ty to know how to use it. Whet her he learns
the trate or not, let hinu, ly all neans, be sure
 Honi chool ieacherr; for ian on a firler way clams com a his own ion whine do to to wey the fount ication so much of
human nature, which will be of the greatest human nature, which will be of the greatest
uee to him in after ifie, as to folluw for a few
seasons the eccuration of a district school teacher. Chinese wiir
A Chinaman died, leaving his property to
his three sons, as follows: To F'um-Hum, his eldest, one-half thereof; Nu-Pin, lis second son, one-third thereof, and to Ding-bat, his
yongsest, one-ninth thereof. When the prop-
erty was inventoried, it was found to consist erty wast, invertintoried, it was wound to consist of nothing more nor less than seventect ele-
phants; and it puzzled these threet heirs to phants ; and it pizzled these three heirs to
decide how to divide the property according
to the terms of the will, withont chopping up to the terms of the will, nithont chopping up
the serenteen elephauts and thicrely serously me se enteen elephiants and therely ser.ously mpailing their value. Finaly they apple
oo wiso neighbor, Sun-1'unk, for advice.
sum-Pumk hai an elephant ot lis own. Ho drove it into the yard with the 17 and said
"Now we will sumpose tlo your father has Now we wiil suppose that your father hat
left these 18 elephants. Fum-Inm, tako
your half and depart." your hale and depart." So Fum-H wn took
his nine elephants and went his sray. "Now,
Nu-pin," said the wise man "t "take your thind Nu-p pit." saino Nu-pin took his ,ix eiephants and travelled." Now Ding-bat," said the wise
man, "take your ninth and begone." So
Pinglat took tivo elephnt man, "take your ninth and begone." So
Dinghat took two elephants and absquatilated.
Then SumThen sum-Punk took his o:wn elephant and
drove home again. Query Was Whe prop-
erty divided according to the will?

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FARMER'S ADVOCATE.

List of Agricultural Socleties,
Officers and Addesses in connection with the Officers and Addivesses in connection with the
Burcau of Agricultare of Onturio, for 1871.
The names of Electoral Divisiens are
Small Capitals ; the Townships in Italic. First the President; ; second the Treasure 4hird the Secretary. When there are only two
names, the second is both Treasurer and Secre-
tary combined


 Norrolk, N.-M. Chrysler, Delini ; Henry
Groff, Simcoe; D. W. Freeman,










 Hurby and East Whith,-James Pile, Ash-
lunhert Smithy.
Whith, Oshawa; Jolin Willis, OrTAWA.- J. B. Lewis, Ottawa ; A.S. Wocd-
burn, Ottawa.
OxfokD, N. Henry Pariker, Woodstock;

























 Simcon, S.-W. D. Stoddart, Bradford; J. J .
K. Falconbridge Bradford; W. M , stevenoon, Bradford., Gwillimbury, Wo.-W. W. IS. Stoddart,
Bradford, W. M.Stevenson, Bradford. Ezsa.
Jas, Armon, Thorton, James Cunning
ham, Thornton; John Scott, Thornton ham, Mhornton; John Scott, Thornton. IM-
nissil. . WW. C. Little, M. M. Aliandale; James
Climet.

 Tottenham. Cossorontio
nont; Jas. Cumberlan
Cumming, Rosemont.

 borouyh-Duncan McAuly, Avonumure; John
Benuitt, Athul.
Torosto. Alderman Boustead, Toronto;
Wm. Eduards. Toronto.

 Stanles, Oak Hill; S. J. Corbett, (Jak Hiil.
Henelon-T. Lockhart, Fenelon Falls, Wm.
Dewart, Fenelon Falls; H. Davis, Fenelon
 Bracebridge. ELilon,- S . KicK
ville ; G. W. Miller, Woodville.


 WaterLoo, N.-Geo. Davilson, Berlin;
Mosesp Springer, Waterlloo. Wellegley, James
Hall, Hawksille; Geo. Oakley Cross Hill





 Robt. Spencer, Allanburgh. Willowhhy.-F
Shainholdts, Chippewa; James McCredin,
Chippewa

 Arthur. Minto.-G. Preston, Harriston, A,
Meiklejobn, Harriston

- lobert Hay, Hollin; Pel and Momas Henderso. Meiklejol
Fiobert
Hollin.
WELLL
Salem
;

Wellivgron, Centre. Robert Cromar,
Salem ; John Beatie, Fergus.
Erumosa -J. Grieve, Oustic , Wm. Torton, Eramoms. Erama Erin.
-lonald McMurdy, Hillsburg; J. W. Burt, Coningsby. Garafraxa, East, Samuel Wool-

 Robert Cromar, Salem.
Wrlungros, S. James Anderson, Guelph;
George Murton, Guelph. Gueiph.- Kichard
'ollister

 Wentworit, N.-J. D. Lafferty, Hamilton

 Flamboro'.
W ENTwo
Wentworth, S.-.W. M. Calder, Glanford;
W. A. Coolev, Ancaster. Ancaster.--J. Gib-
son, Glanford: Bon, Glanford, F. Snider, Aneaster. Barton
and Glanford.. H. Crosbsait, Bartonvile;
C Grey North Glanford. Saltcet And Bin C. Grey, Samuel Lice, Stoney Creek; J. Davis,
brook.
Mount Allion York, N.-John Ferguson, Eversley; E
Jackson, Newmarket. Georgina and N. Gevil
limbury,
 Newmarket; A. J. Hughes, Sharon. King.
Seth Hancock, Kettely i Joseph Stokes,
Schomberg. Whitchurch. Thos. Lloyd, GormSchomberg. Whitclurch. Th.
ley ; M. Jones, Bloomington.
York, E.-H. C. Mara, Markham; James
Robingon, Markham.
 yern. York.-. W
Meccurter, Toront

 Woodbridge ; Thomas Grahame, Woodbridge
Yorkr Wm. Jackes, Eglington; ; Whtin MeC Mar
ter, Toronto.

## Rather Sharp.

in an important assault aud battery case, had Dick Barton, chief mate, of the clipper slip
Challenge, on the for about an hour that Dick got luss salt water
up, and lauled by the wind to lring the keer up, and hauled by the wind to bring
Boston lawyer under lis lintteries. At the beginning of li.is testimony, Dick
said the night was as " dark as the devil, and sadid the might was as
rained like seven bells.
Suddenly Mr. Choat asked him :
"Was there a moon that nightit"
"Xes sir".

## "Ah, yes, a moon-"

"Yes, a full moon."
"Not a mite."
"Then how
"noon ?" you know there was
"The Nautical Almanac said so, and 1 "
world" "What was the piincipal luminary tha
night t" "Minacle lamp aboard the Challenge."
"What in blazes have you been, , wrind ing me this hour for-to make me dull?" latitude and longitude you crossed the Equa-
tor in ?" "Sho - you're joking."
"No, sir, I am in earnest, an
you shall answer me."
"I slan't."
"Ah, you refuse, do you?"
"Yes-I can't."," are the chief mate of a
"Indeed You
"ipper ship, and are unable to answer so sim-
asked mes, Why . Why Implest question I ever had
ath thery fool of a
awyer knew that there ain't no latitude at
the Equator ",
That shot flonred Rufus,

Ventilators for stacks Ancl Mows. It will be of little adrantage to make a hole or two near the middle of a stack or hay mow
uuless it is open at the bottom, for the influx.
or frest air or fresh air, and open at the top, arso for the
efllux of foul air. When a ventlator is made efflux of foul air. When a ventilator is mud
in a stack, there should be an air passage fron
the eutside of the the outside of the stack to the botton of the
ventilator. Then at the top of the stack, i ventilator. Then at the top of the stack,
wooden tube- round or sifuare, having a hole two or three inches in diameter through it should hee set in the hay, when the ottack is
being topped off. Two or three two-incl being topped off: Two or three two-inch
holes-or a spure hote in the floor of a mow -3 lould be unde at the bettom of each ven-
tilator. Br this means a tilator. By this means a current of cool air
will be kert in motion, nintil will be knt in motion, matil there is no more
warm and intures air to be carried out of
the mo v . the mo The most conveniont way to make a venti-
about five iry now is to prepare a square boo about fine ir mix feet loug, and squareen or
eighteen inches square, of thind boards and eighteen inches squaue, of thin boards, and stack or mow, and draw it up, as the stack is
built. When within five or is an built. When within five or six feet of the
top, remove the box, and have a wooden tube
realy to set top, remove the box, and
ready to set orer the flute.
In a mow the top of th
be left open. The tule enentilators should dropping into the thice by mailing an piece of from
board on one side on boar hay around it, wither it the botton; then
pile sy thy By this means an cficient ventilator will be
formed. It is an excellent prictice to put fortued. It is an excellent practice to put
ventilatore into long stacks and long mows,
about every ten feet. In a square or round ahout every ten feet. In a squaro or round
stack, not more than twenty feet in diameter,
two flues would be sufficient a flue in stack, not more than twenty eett in diamete
two flues would be sufficient. A flue in a
stack that is covered over with hay at the to stack that is covered over with hay at the to
will not pay for the trouble of making. But,
if there will not pay for the trouble of making. Bnt,
if there 18 no more than a two-inch hole open
at the tor, several barrels of foul air will es at the tor, several barrels of foul air will es-
cape per minute throngl it. Ky thus letting
cool air into the middlo of a cool air into the middte of a mow or stack,
hay that would otherviee "mow-burn" will bo
kept cool, aud will wave well. $\quad$ barrel
i sonetimes einployed fir making a ventilatin
fine. The barrel must be. drawn up a foin inches at once as the hay is stored around it.
$-l$ 'onnerouy's Demoerat

## Boiling a Mam.

"Does everyone know how to boil a han ${ }^{\text {P }}$
queries Mrs. Momespun, in one of her very Instructive articles in the 1 'rairie Farmer.
We venture to siv evervone does not know at least properly, therrifore we shall bedoing
a cood deed by copying her recipe, which is as a yood doed by copying her recipe, which is as
follows:There are tho ways. One is to lot the
water bail on the gallop for several hours ;
the ther is to let it he other is to let it colne to the boiling point,
and then set it on 1 op of the slove or range,
and 1 t $t$ it simmer from five to seven hours weording to its weight. 1 , soak the ham overs
nght then put it on the fre when night, then put it on the fire; when the water
bubheren it it is taken off and set where
ket will keep on the bubble, but not boil. The scum
is al skimmed oft thes; al 2 lb . ham simners ive hours, and a 201 l , one eight hours.--
When half done, the water is turned off and fresh boiling water ponted in. This freshens
the hain and makees it tender as a chicken.
 sure and add a pint of gowe cider vinegar to the first water it is simmered in, and it wil
take out the strong flavor, and make it tender and delicate.
 cerning a certain field:-My experimental
field, that has now laid the crops of seventy years of grain and brass taken off it, during
which time it has been under the cultivatign which time it has been under the cultivatiou
of my father, myself and my mon, having for
all that time received no manure except clover of my father, nyself and my son, having for
anl that time received no, manure xcept cover
seed and plaster, and has constantly improved seed and plaster, and has constantly improved
in fertility, I sippees to be the moot perfect
practical test to which this question has ever
 writers upon agricultural science. All of them
have said that in time I would inpoverish the
soil by my manner of treating it. Prof. Jas. soil by my manner of treating it. Prof. Jas.
F. W. Johnson, twerty years since, while visiting the cou:try, examined this field, and
said that "Sruch severe, what we should call
scourging treatmet mat be continued a great scourging treatment, may be continued a great
many years with appareit inpunity, although
it tell it tells very soon on land of inferior
But even on this land it tells at last." "Sir you have the alvautage of me."
"Quite right ; you are quite right, ir.
Almist peryht,

FARMER'S ADVOCATE.

Clover as a Security Against
In the Country Gentleman of June 22nd,w rinted

 yy. There is already sufficient growth for fair crop-more than an averave- and yet thi
growth of grass, it may be said, has buit fairly growth of grass, it may be said, has but fairly
commenced, thus early in the scason. Now ail the drouth that may occur between now good, a superior cron, say of
neanly three tons to the acre."
The crop has been harvested, and the yield is the first cutting. The second would yield is the irrst cutting. The second would yicha
nearly the same, but it will be kept for pas-
ture Thiere were sonue showers to moisten ture. There were sonue showers to moisten
the ground; this will give it a start-the rest the grourd; Once covering the soil as dense as it ocupies it (the stand), there is a constant,
ierfect shade and moisture; it was so in this Weifect shade and moistre, it was so in thise
case during the spring. Whether for pasture
or meadow, it is the same, providing the grass is not fed too close.
Everybody passing by wondered to see such
a crop amid such surrounding sparseness.How came it to pass? Was it the land, allow intervale? some of the questions.
Were some of the questions.
The stem averaged nineteen inches, and was rather slender, making thus the ivetter feed. - it would have been a perfect one had ail been brought to a level. Of course this body of slighlt stems did not continue in an upright
position. A heary rain storm bent and lowered is some, and whirled it in somen places; but it was not flat on the ground, the mower taling
t all except here and there a somewhet tovg it all except here and there a somewhet long
stubble. Better appliances would lhive made stumber. Better appiances and was cnt one day, hals of it,
an clean boton. aud exposed by fork and tedder to the sum and
air the tedder (rake and tedder combined) in the tedder (rake and tedder combined)
finding rather more than its match; the next
day day, rretty well cured, it wais put in cock cind Jeft there a day and two nights, then spread
apart, turned, raked up and taken in. The apart, turned, raked up and taken in. The
last went in to-day, Juy lit, nad shows here
and there a head turned but most nue still and there a head turned, but most are still red and the stalk green, the leaves also intact.has been cut earlier, and then not much, 'thit will feed well to all kinds of stock, and will
winter cattle, sheep, and horses out of work, winter cattle, sheep, and horses out of work,
without any other feed. Int it would be liet-
t:r had it been cut earlicr; stock would gro t.r had it been cut earricr; stock would gro,
toore thriftly, cows vield more milk, and horses Tone thriftly, cows yield more mikand hinses
could work soine on it. We speak this from could work some on it. We epeak this from
what we know of similar effect, and therefore What we know of Thile crop wonld have been
with contidence. Tren
cut earlier had not the weather been threaten ing and rainy. las given this crop, while ell surrounding, crop ape conparative faitures,even moo as this that
rich soil. There ind as gaod and
fails. The secret in connection with the soil is thick, even seeding on a mellow seed bed
ill grew, or seemed to, mid was healthy Aven, shoulder to shoulder. At once it occu-
a pied the ground.
There is ant inther spot of half an are, soil a yield, still another clover also, and last eear's seeding-that is nearly as good, all soonn. The culture is deep, and then mellow throughnit. Here the roots of the cluver luxuriate; liere is a warm bed to keep then, so that
when spring opens there is a start at onee When spring opens there is a start at once -
ad this means an occupancy of the soil at.
ance, so that the sun and the dry air lave but ance, so that tite effect.
Iere, then, is an actual guard against early
ronth, which is usually the bane of the hay Here, then, is an actuat guand against eary
Grouth, whicch is ussally the bane of the hay
oup. The thing is clearly and satisfactorily पp. The thing is clearly and satisfactoriy,
unionstrated dliis year. White all the crops,
ithout exception, in old meadows, are light, ithont exxeption, in old meadows, are light,
:e at comparative failure - perlan's never wirse-here are fields yielding not only ia
whal good amount, but haravy crois, lis hly Hnunerative. And what has beend done can ins done again and always. We are safe then
in far as our stock, our tooder, is concernedGfar as our stock, our tooder, is concerned-
hiat is, if we feel disposel to have it so, and,
ind you, the land is improved at the sum 1. iat is, if we teendsos improved at the same
ind yout, the land is
ame. That is the experience here, that clo-
 ativy crop-alone, the crop remived, or rath-
severa crops, the last one of seed, or other-
,ise it is all the same. Our individual ex-
$\left\lvert\, \begin{aligned} & \text { perience is that the best crops are raised after } \\ & \text { a seed crop has been removed. This seems to }\end{aligned}\right.$ a seed crop has been removed. This seems to
agree also with experiments made by Voelcker we believe.
Shall we the shall we then trust more to clover? Ought
not every dairyman have at least one lot of clover seeding each year, such for instance as
we have described? But do not spare your weed and pat it in in the usual manner. Phis, in an carly drouth, will give you a light crop,
oven if the soil is rich. But the same soil culeven if the soil is rich. But the sane soil cul-
tivated deeply (if it will bear), the ground
made mellow throughout, and then the seed mated deeply tronghout, and then the seed
made mellov the
put in early, not with a growth of thickly put in early, not with a growth of thickly
sown oats, but with wheat or barley, or better,
oo grain at all, muless the ground is very rich no grain at all, unless the ground in yery ne
-this is what is wantect, and this will secure the crop, secure a thick stand of fine stems, waking the best of hay if cut early, cut bee and
lodiged much, when ali green and fragrant and
nutritious. But do not spare the seed: this is nutritious. But do not spare the seed: this 1 s.
the evil geierally; and sow evell. This last you will see is important, if all the surface is
to be covered Sow not less than twelve, but better fifteen quarts of seed (clover) to the
acre. Your land in good tith, even and melacre. Your land in good tith, even and mel-
low, and if sown to spring grain, brushed inthis, as early as possible--or if prepared in the
fall, sown on the ssows in the spring-if this fall, sown on the snows in the spring-if this,
is doae you may feel safe.- Cor. Country Gent.

## Health an Element of Success.

It is no exaggeration to say that health is A man without it may be a giant in intellect A man without it may he a giant in inteliect;
but his deeds will be the deeds of a drarf. On the contrary, let him have a good circula
tion and digestion, the bulk, thews and sinew if an man, and the alacrity, the unthinking con-
if and
fidence inspired by these, and though having di a man, and thed by these, and though having
fidence inspired
but a thimbleful of brains, he will either biumder upon success, or set failure at defiance
It is true, especialiy in this country, that th It is true, especiany in cery comyunity-of
number of centaurs in
men in whom heroic intellects are allied with men in whom heroic intellects are allied with
bodily constitution as tough as horses-i
 he draws the priz
a crazy stomach.
rate
But of the two, a weak mind in a
rame is better than
rrame is better than a fiant mind in a crazy
constitution. A pound of energy with an constitution. A pound of energy with an
ounce of talent wwil achieve greater results than is vund of talent with an ounce of
energy. The first requisite to sulceess in life energy. The first requisite to success in life
is to be a good auimal. In any of the learned professions, a vigorons constitution', is equal to
at least fifty per cent. more hrains. Wit, judgment, imagination, elocynence, all the
yualitios of the mind, attain thereby a furce yualities of the mind, they could never ap-
and splendor to which tho
proach wilhout it. But intellect in a weakly
 scharesest edge and lighest polish; but what are these without a vigorous arm and hand a
of whas use is it that your mind has becone a
vast sranary of knowledge, if you have not vast granary of knowledge,
strength to turn the key?

## Want in life.

## Thers is nothing more fortunate for monder- ate genius than to be born poor. The "silver

 sloon" class are a yery confortable people, nodoubt, but the great troulle with them is heir education is mainly of this order, and it
they don't becone very great they are ex hrey dely likely to become the very opposite
There is no middle ground for theu, for they There is no middle ground for they, orer they were no taught to regard any, mid conseq
y they are, as a general thing, unfitted fo it. Poverty has lielped men to solve some ©
the greatest problems of life. Half its brave deeds have been a necessity, and the most o its noble sayings have been, born of a deter
mined opposition. It does a man good to put mined opposition. It does a man good to put
him at Nis wit's ends. Fmergencies make
men, and the best kind of men. Any man can be a general or a pilot in a calm; but
storms shon metal is storms show he metal, Reputation is mad
more by boldness and will, than by ability and
pation patience. Life is too short to wait for the
tide whose ebb leads on to fortune. W must wake the most of present opportunities
but we shall hardly do it, unless present op portunites are in the nainpresch nocessitie. The man who works out these to
extunt is the most successful man.

Notes for Cheese-VIIkers. Not long since I recived a letter from
cheese-maker in a factory in New-Eng an containing the following queries: Will yo
please tell 1 ne what advantage there is in lit tinys ic curd ' change' before taking it oat ! I
cooking I raise the heat to $96^{\circ}$ or $95^{\circ}$, bu
before the acid is perceptible the curd gets
hard. Would the curd do as well if the heat
was nct carried so high-and why does it be vas nct carried so high-and why does it be-
come so hard? Will a curd that is taken out come so hard? Will a curd that is taken out
perfectly sweet, cure as fast and decome ready or market as soon as one that is changed ?
The reply to the first question of my corThe reply to the first question of my cor-
respondent would be-much, every way. From the time that the cheese factory systein
began to extend beyond the imnnediate region began to extend beyond the immediate region
where it originated, and American cheese becane an article of export in any considerable quantity, siy from 1861 down to the year
1865 , the great complaint of checse dealers, ship, the great compdaint of checse dealers
sugishers and consers, was the por-
sity, bad flavor aind ill-keeping quality of shippers aid flavor aid ill-keeping quality of
oity, baid
Americain clieese. Those three ailments seenn to exist together aluost invariably, and they
condenned the product of our dairies to a very humble place in the narkets of Great Britiin How to avoid these ills became the study
cheese-makers, but up to about $1 \mathrm{~s} 5 \mathrm{t}^{2}$ th cheese-makers,
azency of acility or souring the curd to a cer
tain extent, to accomplish this purpose, wa tain extent, to accomplish this purpose, wa
little understood ard less practiced. The fea
it of haviny sour cheese had deterred cheese ankers from venturing into this unexplores
and forbidding field of inquiry. The cheese generaly produced at that time was full
 flavor, very oijectionable to appreciate a really fine article.
Thoughtful
Thoughtful cheese-makers noticed that
sour cheeses were invarially solid-very nearSour cheeses were invariably solid-very near
ly or quite free from these pores or holesly or quite rree from these pores or hioks-
and this observation led tlem at length gradu-
aily to experiment and see whether this same ally to experiment and see whether thes sans very objectionable and damazing, mikght not be used to adrantage if carried to a certat
limit and kept well under onttool.
The result was successinl beyond the est expectations of the few cleese-maker who here and there had been investizating
the matter, and eventually there was wouls ane mater, and eventanly there was woug, nd
arevolutim, tiviet and unostentatious, and
yet real and wide-spread, in the system of chleese-11aking in the best dairy regions, and
in the principles in the principles governing that system. At
first the idea net with opposition, solnetincs with ridicule, but it has won its way into at-
most miversal practice. I renember that at most universal practice. I remember that at
the Dairynuen's convention in 1564 , when he
dea of purposely souring the curd slishity irst beyan to he broached, a gentleman
hargely and successfully curaged in the mannargely and successfuly engised in wo
iacture of cheese in Western New York opposed the idea very strenuously, and in the year, he says: "I want the niilk to be sweet
when it is broublt to the factory, want it sweet when set, want it sweet during the
working, and want the curd ssicet whien put working, and want the curd sincet when put
ia press. 1 have no synupathy for sour nilk
or fur sour cheese." The next year he came to the Convention a thorough cunveit to the new priuciple in
cheresemakny, which he had before so vigur ously "pposed. $A$ proper degree of acility ur
souring or "changing" in the curd before renoving it from the whey, or at least before
salting, results in a cluese close and solid in sexture, purer and cleaner in tlayor, and of character to retain that purity or tivor thaur
warnur cimate a much longer time than it
otherwise would. With such cheese, too there is far less tronble from hinttiug or bulging
and from getting out of shape, than -uith softer desciptions of cheese. Of course it is a
fine point to be able to tell precisely the con dition of the curd at this stale, and to know just how far it is safe to alow the acidity to
advance. And it is just here that bunglin and incompetent makers fail, it is here that
the arguments of those who consider cheese the arguments of those who consider cheese-
making merely a mechainical operation, are mafing
refute
To the
To the second yuestion advanced by this
cheese-maker, I will give a moment's atten-heese-maker, 1 will give a moment's atten-
Orion. takes place at the same time that the acidity
or "clange" mildy puts in an appearance or "change" mild y puts in an appearance.
Indeed the former is an indication of the pres ence of the latter. And yet the hardening gued desre, (for the term hardening is to curl, to enalle one clieese-maker to determin just what is the condition of a curd whicin an-
other maker calls "hard," miless he can see other handle it). If 1 was troubled with curds
aud
lardening prematurely 1 would use less heat, hardening prematurely I weuld use less heat,
and would ryply it very slowly and gradually
Iany good due sc-makers believe that a to pany good chersc-1nakers beieve that a teni-
perature of 90 to 90 gives better results
in cheese-making than to warm the cust in cheese-making than to warm the curd to
$9 S^{\circ}$ or $100^{\circ}$, always provided the milk is in
a condition to give full and ample time in
claborating it into cheese. elaborating it into cheese.
The third question proposed has been par-
tially answered in the renarks that have preceded. Curds taken out when perfectly swee
cure faster than thcse which are allowed to sour a little ; indeed, such cheeses are generally fully ripe and ready for the knife when they deteriorate in quality and assume a shary flavor-go into a species of decay, in fact.
Cheeses thus made are quite unfit for exput Cheeses thus made are quite unfit for expor our home market than the closer made and more tastely ones which suit the foreign mar-
ket sc well. ket sc well.
Where suc where such cheeses are preferred and meet fitable to manufacture then, because a slightly larger yield of cheese is outained froi
the milk than by the other process. Such is rarely the case, however, and it is far wise and more politic for the great mass of cheese
makers to seek to raise the standard of quaility makers to seek to raise the standard of quality
rather than do aught that shall result in
lowering it.-G Gardher B. Weehs, in Country luvering
Gentleme
The Horse Discase in Goderich. On Tuesday night last a disease broke out amongst the horses in Mr. Polley's livery stable, of a very deadly description.
Ull but the infected horses were removed to his farm, but after arriving there no less than four were attacked. Up to this time tour valuable horses have died--three in town and one on the farm-and there are at present three sick in town and three on the farm. The gullett seems to be the part affected, which closes up almost en hirely; the muscles becoming dead, so that the animal can neither swallow food nor
water. The fore legs by-and-bye begin to slake, and the horse expires. Everything that veterinary skill, assisted by medica
advice, could suggest, has been tried, but so far. without success. A post-mortem examination of one horse revealed a com plete obstruction of the passige of the
thinoat. The bronchial tubes are not af fected, as all the diseased horses have been able to breathe freely. The symptoms are something like those of diptheria or typ-
hoid fever in the humau being but are hot recorized as those of any known dis not recognzed veterinary surgeon in this section.-Signal.
In our last month's issue we called at tention to the disease that was destroying many horses in New York, but we do not know if the disease spoken of in Goderich is the same. We hope prompt measurc may be taken to check the spread of the and
Quality of Pork Influenced by The quality of pork is greatly influenced by he feedt-pork that will fry paway mulch, and be worth lintle what in left. 'Tlis is the case whether milk or whey is fed. But it it re-
munerative to make this pork; it is therefore munct If you want pirk for, your own use,
made.
solid, bearing the heat, and a sweet morsel when cooked, you must feed the grains. Old corn makes perhaps as good pork as We used. to, formerly, tat with licas with cood resntus.
the grains, is also good. Soak and thien feed, and give cold water to drink.
the hor in hot weather, that is, access to water, better if showered or dripping copiously, a mill is made to do this, keeping the hogs and the pen ciean and cool. There is evident
comfort and lrosperity in this pen. There is
little or no stract, which athiects pork, making hittle or 10 st melh which atiects pork, making
your finest Berkshire taste strong. Plenty of litter, absorlenits, this is wanted. Any dry
material will do, particularly dry muck, or the cooling sawdust, or lust rroon the road. When increase largely the manure pile, alaite is
nuisince (in the escaping eftluvium), and in-
nove the unality of their pork? -Cor: Utica

## For the Farmer's Advocate. Fatal Malady.

## BY I. F. INCH,

There is a strange malady stalking about in its ghostly form through our peaceful Dominion. It is a malady that few es cape, yet little notice is taken of it
Little children, as soon as they begin to talk, are often unconsciously smitten Boys and girls who attend school, and
particularly those who do not attend any place of instruction, are very subject to this dire desease. Youths and maidens, poor are all, more or less, inclined to be led by this treacherous enemy who are entirely free from the foul breath Even the blind are not free. Another item to be remarked is, that the tongue is
the only means through which we are made acquainted with the alarming fact, that our friends or acquaintances are vic-
tims of the enemy. It is not the color or shape of the tongne, but its movements contagion passes so lightly over some that with great skill and perseverance it may be eradicated out of the system. But I am wearing out the reader's pa-
tience. Perlhaps some little bright-eye may think this too long a piece and throw away the paper before they find out what the disease is. Wch, think now. How What is the reason that we sometime doubt the word of our nearest relations?
Ah, it is the fatal malady, that is, telling Ah, it is the fatal malady, that is, telling
"fibs," or "untruths" or lies, whichever
" name you choose to call it. "White lies, I heard some little girls say the other day "can't do any harm.". Thave also hear that "lies in fun were no lies at an stays to play on the road, then tells hi
3nother that he lost his way through th When a little girl is left to the trath hell a little girl is left to finish a piece her, would it be right to allow her good,
kind mamma to believe she finished the task alone? No, no, little friends, let all be truthful no matter what the conse quences will be. Suppose we should es-
cape a punishment by telling a lie, let us cape a punishment by telling a lie, let us
much rather suffer the slight punishment and have a clear conscience, than to es-
cape and le tormented by a guilty concape and
science.
Oh let us be truthful wherever we dwell.
In mansion, in palace or cot ; " Whatever we preach let us practice
To be trusted will then be our lot. Be sure we deceive not the innocent child,
Who catches each word from our lips;
Wher Perchance we may rue it with agony wild
While the dregs of life's poison he sips.

## Editor Farmer's Advocate.

appearance of Seeds.
Mr. W. Weld.-Can you inform the
readers of the Farmer's Advocate what are the distinctive features of the appear-
ance of White Glove, Yellow Aberdeen and Swede Turnip see

## Belmore, 19th June A A"B Uyer."

We have no microscope in the office and we are too fully employed to devote time to the matter, even if we had one. If the Covernment would pay us for our land that they deprived us of, and pay us fully for other just claims, we should be in a position to purchase a microscope; and had we assistance to release us from ome of our wor, we ras examine and write upon the above quesfurnish the information required.

## Hints to Cattle Brecders.

Prot. Miles, of Michigan Agricultural Col
lege, delivered an interesting lecture on Breed of Cattle, before the Farmers' Institute, at the
Illinois Industrial University. We take the ollowing practical suggestions from an abstract of the lecture published in
Trustees of the University :
It is important to acknowledge in the start nd this leads nie to enumerate some of th nalifications which a good breeder must pos
sess to attaiun the highest success in the art 1. Definite ideas as to the kind of animals h
wislies to produce. With many there is ack of analytical power in determining goo
oints. A mina judges as a whole instead in detail.
2. Persistence and perseveranee in adher
ing to the plan marked out
standard will result in failure
3. A correct and educated eye, capable or
detecting slight variations in formand quality ne must keep the balance adjusted in breed Anatomy and physiology shouid be understood, though not technically
4. The breeder should be free from preju-
dice and bias. The ownership of an aninaa
should not blind limim to its defects. 5. He should have good judgment and
be apt in tracing causes and effects. Many be apt in tracing causes and.
6. He s'i. ould Le cautious, and not prone
o jump at concluions from insufficient data.
7 . He should be an artist, capable of form. 7. He should be an artist, capable of formapproximating to the ecnception already formed by moulding the l lastic organization of the ani
mal, so as to give it expression. Mal, so as to give it expression. Bake, ere, men
lins Booth, Batee, Webb, Quarterly,
of this of this class. Breeding, in fact, is a fine art, an
one of the most interesting and fascinating of parsuits.
Our native cattle are of diverse origin and have serious defects, the result of their mixed orign, and
One of the most marked types is the Texas
cattl cattle, originated from the Spanish cattle, and
still somewhat 18 embling the cattle found around the Mediterra
also, have also, have little in common, and vary a great
deal anong themselves. Hence it is desirable
to improve uur breeds. to improve our
In agriculture, gencrally, we find an advan-
tage int he division of labor, and so in breeding. It is desirahle to breed for milk and for
beef. It is beef. It is hardly possible to combine the
two with the best success. The native anitwo with the best success. The native ani-
mals lave no special qualities, or definite
charer character.
The adv
The advantage of the inproved breeds is, first, that they linve a definite character from
a long course of breeding. The quickest way
to get this fixe Inesp is to get this fixe Iness is to get established
breeds. The attempts to make breds in this breeds. The attmpts to make brectds sin hins
country have enereally failed. Col. Jacques,
although a cattle man, failed in the attempt. There is too great a variety of elements to
work with, and it is a saving of time to begin
with the established breeds. In the second wlace, we can select according to the second needs
par and the locality. Difierent places need differ-
ent breeds. At one of our Nfichigan fairs,
farmers were inquiring: "which is the best breed of sheep p" I replied : "you might
well ask which is the best turnip or potato weln't know your farm or mode of farning.
dong
Each bred is adapted to a particular purpose, and oumust choose accordingly,"
Mistakes will occur from the civerse meod are
of treating the saine breed. Mistakes ar
made in condeming small breeds, as ih made in condeming small breeds, as the the
Devon, Galloway, etc. These are adapted to
peculiar places and purposco peculiar places and purposes. The Shurt
Horn is adniiably adapted to certain range I selecting animals, look first to purity
bloos. The pedigree is the recorded evidence of breeding, but does not necessarily show
purity of blood. The value of a pedigree depends on its completeness, and the character
of the ancestors. Two animals of undouite purity of blood would differ in value , if their an
cestors weere not of equal meit cestors were not of equal merit. "Like pro-
duces like," not precisely, but like the various
ancestors as a whole. Ancestrrs of unequal inerit result in unequal offspring.
Herd books are not always reliable. There are the dangers of accilent and imperfect re-
cellection. The breder should also be famil cellection. The breeder should also be famil-
iar with the history of the bred he adopts, and with the origin and peculiarities of cer
tain families. Certain strains will not sell among breeders.
These general
swindina.
Drar Sir,-Our country seems to be men going through it swindling the in habitants in various ways, generally repre senting themselves to be agents of various
kinds for the sale of trees and different farming implements. It seems to me to ser be quiteastonishing that people will allow themselves to be swindled year after yea yes opened more to their swindling the eyes opened more
tions. Instead of dealing with responsible
aints in their own neighorrhood they agents in their own neighborhood, they will patronize some oily-mouthed strange cases out of every ten they either get cases out of everyetr money entirely, or
swindled out of then
get some inferior article palmed on to them get some inferior article palmed on to them
for twice what it is worth. A few weeks ago I attended Division Court at Fort
Erie, when there was arí action bronght by an American fruit tree agent against a resi dent of Fort Erie, to recover pay or alcer tain order for fruit trees, allegel to hav
been given loy defendant. The defendant swore that he met the agent one morning while going to his work on the railroad,
when he was asked by the agent if he wanted any trees; he said he would like about a dozen, and would like to take more, but he had no place to plant them, as he
had only oue-fifth of an acre of ground and welve trees would be quite sufficient.trees to Fort Erie, so he might just as well bring his along with the rest. A few
weeks after he received notice that his trees had arrived, and were on the dock at Fort Erie. He accordingly went ther were some ninety trees for him (poor oncs
at that) at extravagant prices. He refused to accept of them, when the agent entered
an action against him for the price of the trees, produced the order with defendaut's name attached, swore that it was correct,
and his victim was put in for the whole and his victim was put in for the whote
amount sued for and cost of court. The following prices are what the agent sued for: apple trees, fifty cents each; pear
and cherry trees, orre dollar each, and and cherry from one to five dollars each prices which would at once show him to be a swindler. Now if this gentleman had ordered twelve ress from hes nearest nur
seryman, which is only a few miles from seryman, whe would have received just the
Fort Erie, he number and no more, and would have paid $t$ wenty cents each for appe trees, forty from twenty-five to fifty cents for, rap vines, considerably less than half that he out of almost numberless cases of a simila character.
Sherkst

July 5th, 1871.

## Washing Butter.

At a meeting of the New York Farmers
Club, Homer Hecox thus described hi plan of washing butter, which he claims to y hand ; average time, twenty minutes or large, twelve for small chumings.
fo not claim to make more or better butte from the same cream than with a dasher half the time and with half the labor venience of washing, getting rid of the
of buttermilk water, and in working the but
ter. As soon as I discover that the butter begins to separate, I put in a quart of cold watcr; this is to thin the milk, which is the cause it to Iree itsen more reaatily from ticles are about the size of a large pea.. I then draw off the milk and put in a gallon of water, churn and draw again, and some
times put in one more washing. The com times put in one more washing. The com
mon way is to churn until the butter is about one solid mass. But how is the water to take effect on the inside of these lumps of butter? I should about as soon
think of washing the inside of a glass bot think of washing the inside of a glass bot-
tle by washing the outside. I think that in order to make the most and best butter
in hot weather, it is particularly necessary
to cool the milk immediately after to cool the milk immediately after milk
ing. Milk in tin pails; have a tub simila to a wash tub, for each pail ; set the pails in the tubs filled with cold water from a Lood spring well ; stir the milk and wate
very few minutes until the milk as the water. If you can ret the milk quite cool before setting, and set in shat ow pans, it is better not to let pans staul cream will be all up before the milik be omes very thick. Skim as little milk as possible with the cream, as that is the
reat secret about quick churning Salt for orts.
At a meeting of the Farmers' Institut of Eastern Peungylvauia reeently, P. Morats grown by H. Ingersoll, of the Philadure. This was of extraordinary size and early maturity, produced by the applica-
tion of six bushels of salt to the hion of six bushels of sait to the acre.
The stalks were much larger than usually scen, the leaves broader, and in every way superior to other samples exhibited. Mr. Ingersoll stated that the advanced cond
tion of his oats, as well as the unusual of of his oats, as well as the unusual
of the stalks, was owing to the fact that he had sowed broadcast upon the field six bushels of salt to the acre after sowing the
oats. A large quantity of salt could be oats. A large quantity of salt could bo
used, but never greater than forty bushels. Salt, to be efficacious on oats, wheat or corn, should be put on a sandy soil, and not on stiff clay lands. Mr. Ingersoll hal
been using salt for a number of years, aud found that not only the grain crops were clover.
Cugumber and Squash Bugs.-As these pests are upou us again,, give the best method have yet found for opposing
them. For the striped hugs, I know of no simpler or easier preventative than the one I made known last year (for the cut worm also) viz: Sprinkling the plauts
with saw-dust suturated with carbolic soapsuds. I use about a monind of the soap called "Carbolic Plant Protactor, dissolved in 8 or 10 gallons of warm wate
and pour this over 4 or 5 bushols of and pour this over 4 or 5 bushels of saw
dust stirriny it and leaviug it to soak and swell, then keeping it in a covered box to prevent its drying. A little of this saw dust scattered over and around the plants bugs, and every other day afterward, bugs, and every other day atterward,
find quite effiective and less labor than any other method. For the black squash bug,
I find the "Ransom Curculio Trap" the find the "Ransom Curculio Trap" the best node of catching them, viz: Prace 2
or 3 bits of a shingle or thin board near
each hill of planta-laving the ground a cach hill of plants-having the ground a
little roigh so that the bugs cau crewl under these, which they will commonly do very cool night-then go early in the
morning and turn these shingles or boards over, and kill the bugs w
the boot.- Olio Farmer
Wefde in Garden W to tell your readers how I keep the walk in my flower garden clean. It is a very I never thound the wonder to me is that they are something that have given me much more trouble than the beds themselves, a heep them clean without a great
to kel
amount of help from Pat. One day last summer $I$ happened to have a large quan-
tity of boiling water to throw in the drain, as we never throw anything in the yard so after a few minutes, consideration
said it should said it should be emptied on the walks
the flower garden, as it would do no harm there, and sure enough it did not. The next day, when down in the garden for flowers, the walks attracted my attention
they looked so uncommonly cleau, not green thing daring to stick up its head wite then I have bathed them faithfull weeks, and the weells are not only killed but the ground is always hard and smonth in Conntry Gentloman.

## FARMER'S ADVOCATE.

 The character of the feed has much to | grasses. Good bred sheep should never | $\begin{array}{l}\text { Great care, however, should be observed, }\end{array}$ | $\begin{array}{l}\text { produce a short, coarse, harsh wool ; but }\end{array}$ |
| :--- | :--- | :--- |
| be turned upon such lands, for whatever |  |  |
| that not too much of this oil is excited, as |  |  |
| this is greatly improved when the same |  |  | ent ined upon such lands, for whatever that not too much or this oil is excited, as breed is the where the the same sheep and good lambs, but also in the pro duction of wool. A leading object in raising wool should be to keep, the staple wen through its entire length, and this can be done only by feeding regularly both in quality and quantity. If sheep have

been fed upon sweet, nutritious hay, with weeasional feeds of grain and roots, and then followed for many weeks by hay of a poor quality and the roots and grain denied them, an inequality in the wool will nied them, gn inequality in the woos whl
be produced--the upper part of the staple
will be light, and the lower part much will be light, and the lower part much lacking, the secretions will not take place and harsh, while that raised upon argilthicker; in this case the top part of the in sufficient quantity, and sheep, lambs
staple will break off in working it up. So
and wool will be seriously affected; will materially modify this
fact. staple will break off in working it up. So and woi will be seriously affected; es-
it is impossible to produce good wool upon pecially is this the case, when sudden the care of breeding may be, the coarse-- it then wastes the powers of the sheep, ness of the feed will produce inferior wool.
In common with many other animals-In common with many other animals--
including man himself-there is always ncluding fan himseli-chere is always
cxuding from the skin of the sheep an oily substance called yolk, or gum, especially designed by nature to protect the animal from too much moisture, and to soften the wool. This oil is feebly sup-
plied by old sheep and those fed on meadow hay or other coarse fodder, and is
dow dow hay or other coarse fodder, and is
more abundant in vigorous and well fed
sheep. This is an important secretion, and becomes exp


Texas Cattle.
As the immense resources of this contiuent are becoming developed, we are o asionally astonished by the cnormous productions of some classes of industry or the utilizing of that which has fur cen turies perhaps lain unknown. The enor mous business now done in Texan cattl is little known to the majority of us, but as it must to some extent affect the value of our productions, we have procured the above from the Praive Furmer Co., who had it engraved for their paper. They publish an excellent agricultural paper in Chicago, and if any of our readers desire more information in regard to the Wes-
tern States, we must say that the Prairie

Furmer is the paper for them to peruse We frequently give extracts from it rexas cattle trade
The Abeline Chronicle gives the following as the most accurate figures yet given of the Texas cattle trade of this year There are now near the line of the Kansas Pacific, by actual count, about 125,000 ; passed Red River Station, to be driven to hat line, 100,000 ; for A., T. \& S. F. Lailroad, say 50,000 ; for Missouri River, For scott and Gulf Railroad, 75,010 wintered in Kansas and Colorado, 50,000 eaving to be divided between the M., K
though it ahows that the number to arrive $\mid$ The texas catrle kinge-the miaht this year will be larger than in any pre- STOCK FARMS of The HLANSA-THE
our correspondents, a few months ago, From the Pittsburg Commercial $^{\text {ond }}$ that the days of cheap beef were over proves to have been an erroneous one hough we are inclined to believe that the resent enormous consumption of Texas rediction true. In one way our western prediction true. In one way our western
brecders can always command good prices,
and that is by marketing choice beef and that is by marketing choice beef alone. Improved breeds of cattle, fattened with care upon the grass and corn
of the prairie States, will find \& ready
market at prices much in advance of the narket at prices much in advance of the believe that this relative difference will

Texas alone has $3,800,000$ cattle, divided into 950,000 beeves, 950,000 cows, and 1 , , och young cattle. The plains on $2,000,0060$ acres of ground contain about pasturages are on the Nueces, Rio ande, Guadalupe, San Antonio, Color , Leon Brazos, Trinity, Sabine and rivers. The cattle are owned by en of ranchmen, each of whom hamruto 1,00 to $75,(100$ head. on the Santa
2 acres. It is ownech containing 84,
It forced into better breeding and better cattle, 20,000 horses, 7,000 sheep, an


300 Mexicans beeves are ann and 12,00 yon near Goliad, w near
cattle, and bra
and
and annually. M
this ranch, se this ranch, sel
each year, and each year, and with 1,50 hea
werds and wea herds and wea
ncrease. On increase. On Grande and 142,840 acres,
$1 t$ It is on otheer side has miles of plan long the fenc and enormous
stock. There stock. There
30,000
head o mense numbe on the Brizzo
of cattle, 300 of cattle, 300
Hitson, the o market annua a poor farme
his land and ceeded by din when he wen
now 50 ,ocoo hi and he is still man is establ
South Platte has 5,000 hea
will bring in number from Texas
fall short of 010 went to 1
to Neva lat 9 to Nevalia, 9
Californith, 11 colorad ant mountains in over $\$ 1,250$,
Kansas catt Kalsal catt
were handled ber reached
nearly 75 , , ot may be estim
took 111 cars
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tle hive of the year receivel
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New York, compare the
stand now? ments of 25 of $4,00,000$,
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＂ 2 outlis 忍eparturcut．

## Answers．

to puzZles in july number．
Correct answers returned by R．H．M．，Bond
Head，and James Hooper，London． Word Puzzle－Potatoes．
Puzze－Newsape to fyigua
Correct answers by R．H．M．，Bond Head， Canada．
to illustrated rebus．
Correct answer by R．H．M．，Bond Head． Something Pleasant－Mignonette．

PIOTORIAL PROVERB．


ARITHMETICAL PUZZLE． Add up the nine digits， $1,2,3,4,5,6,7,8,9$
othat the sum will be lop． sused，and none twice．No rule to be applied
except simple addition．
R．H．M． PUZZLES．

I descend from a race that never was taught；
Have given lessons to nations and men that en lessons And hig with inportance and truth．
Though knowledge pre not，yet still $I$ hav Of what is more value to all under heaven，
Than gold，silver or rubies，forsooth． I am found in the cottage，the palace and hall，
And send forth the will and desires of then all， In learning，in love or in hate．
I keep company with begar，with quaen，
And work with the lawyer，the statesman and

Making known the affairs of the state．
T＇ve been often at school，but never could read，
But in spelling and writin＇s am always in need By teachers and scholirs ash well．
In composing of books，whether truth，fiction There is on fact，that is known can match me at

As a writer I＇m allowed to excel．
Constant Reader．
My first，when in a gracious troow，
Most hleasant is to hear，
Oft banishes despanir and doubt，
And charms the suitor＇s ear．
My second is on a territory，
Will on its contines dwell
But if taken from its proper place
Its use no one can tell．
My whole is ever in the past，
And only for a day will last，
Yet never ceases to be be
TTill tines long conrse is duly run，
And that，frand era is begun，
To all eternity．

## Selling Strawberrics．

＂I tell you it is nonsense，＂said Uncle Peleg．＂Charity－benevolence－pity？it＇s
played out！Your big Fairs may be all played out y nice，but people don＇t come there be－ cause its fashionable ！

Horatia Mere shook her pretty head． ing snuff＂you＇re on the wrong platfor ever to get a peep behind the curtain．

You＇re an heiress，and you＇re tolerably
yood looking，and have a way that people
Sike like，and therefore the world puts its best foot forward，so far as you are concerned．
If you were Mrs．Sikes，the washerwoman， or Betty，the orange woman，you＇d see quite a different aspect of things．＂ ＂Nonsense，uncle，＂said Horatio，still Uncle Peleg，and let me have the delicious Triomphe de Gand strawberries in your south garden border for my refreshment table．Remember，I＇m to sell the straw
berries and cream，and I want my table to look the prettiest in the room．＂ ＂Who do you suppose will buy your
strawberries at the outrageous price you＇ll strawberries at the outrageous price you＂
put upon them ？＂he demanded sourly． put upon them＂he demanded sourly．
＂Everybody，＂Horatia answered saucily
＂Come，Uncle Peleg，be gencrous aud ＂Come，Uncle Peleg，be gencrou Uncle Peleg took snuff．
＂On one condition you shall them．＂
＂Horatia clapped her white rosy hands． ＂And that？＂
man dryly．＂You can＇t have my fitty quarts of Triomphe de Gand strawberries， each one as big as a pigeon＇s egg，until you have sold
door，＂
door．＂Horatia opened her brown，wondering eyes，like twin wells of holy light．
＂I，Uncle Peleg？＂
＂You，niece Horatia！＂with a gay
 ＂Perhaps it will be fuut，perhaps it
won＇t，＂said Uncle Peleg．＂At all cvents I want you to get one glimpse，at least，or life through a strawberry woman＇s eyes．＂
＂Am Ito be disguised，Uncle Peleg ？＂ ＂To be sure you are．Miss Horatia Mere would have no difficulty in disposing
of her wares；a friendless strawberry girl of her wares，
is different．＇ ＂All the more delightful－a regula tableaux vivant．＂cried Horatia，merrily
＂Well，uncle where am I ＂Well，uncle，where am I to go ？＂ you，that shall be culled out of your dear
est friends－Mrs．Montague，Mrs．Dysart est friend－Mrs Montague，Mrs．Dysart，
Miss Ferras and the like＂， Miss Ferras，and the like．
＂They will all huy ！＂cried Horatia．
＂W＇＂ you really willing to buy the Trid－＂Ar you really willing to buy the Triomphe d
Gand at such a price as this，Horatia？＂ ＂At．
fully．
＂Y． will find it．＂ ＂It will be a pe
Horatia recklessly．
＂But
＂But，mind，you are to keep it a secret，＂
As the grave，＂lis mischievous niece Miss Horatia Mere would scarcely have been recognized by her nearest friends
when she was dressed for the curious part she was to play，＂for one day only，＂as sh declared．A calico dress ；thick boots，in which her tiny feet felt unwontedly rowed from Mary Amn，the cook，and worsted hood enveloped in a faded black reil，and a basket hanging over her arm－ ＂Stre were the detains of her costume． ＂Strawberries，＂she cried，raising her
sweet voice to＇ C ＂alove．＇Oh，Uncle Pc－ ley，it will be such a joke！＂＇ prospect of phaying at the realities of life．
Uncle Peteg looked after ber doubtfully，as he resorted mechanically to his unfailing panacea for all human ills and perplexities－the sntaft box． ＂I am ammost sorry I sent her on such ＂butit＇s just as well she should learn the world as it really is．Her life has been all couteur de rose，and no wonder．The
strawberries will be a dear bargain after

While these reflections were passing through the eccentric old man＇s brain， Horatia Mere had already reached the first house on her list－a lady who pro character，whose voice was soft and low
and who spoke in
Websterian elegance
Mrs．Mon Mrs．Montegue herself
Horatia rang the bell

$$
\begin{aligned}
& \text { " it' } \\
& \text { buy }
\end{aligned}
$$ ＂it＇s a girel

buy a quart
＂Strawber
 oor ！＂shrilly cried M ！and at the upper oice that for an instant almost connelle Horatia to doubt the lady＇s identity
＂Don＇t youl know better ＂Don＇t you know better，gill，than to door？Wour triat do you wappose basemen bells were made for？Clear out this minute！What are you standing staring
for＇？Don＇t you hear what I say！ for？Don＇t you hear what I say！
And she took hoid of Horatia＇s arm and Mrs．Dysart＇s came next－an elegant
push． widow with an ivory pure complexion whose obstinate rings she was always lamenting．This time our heroine knew better than to go to the front door，and
made her way meekly to the rear bell． ＂rade her way meekly to the rear hell．
＂Strawberries，is it！＂said the little girl ＂Straw
who cam
missus．＂ missus．＂
Mrs．Dysart hersel？presently came to
the door，and Horatia started to sce the the door，and dissimilarity between Mrs．Dy Eart of society and Mrs．Dysart at home Her skin was sallow，wrinkled and blotched here and there from the too fre－
quent use of powerful cosmetics，her hair quent use of powerful cosmetics，her hair
was screwed up into little papillotes，se－ cured by pins，making a perfect cheveaux le frise of her head；her beautiful figure unas lathy and straight，like a pump drapel
in calico！
＂Stramberries！of course not，at this season of the year，＂said Mrs．Dysart， snappishly．＂I＇m not made of money．＂ face． Miss Ferras will buy them at all vents，＂said Horatia to herself．＂Lucille Perras，was always noble－hearted and gen ＂How much are they＂said the fair
Lucille，coming to the head of the bass nent stairs in the dishatille of a greasy pink cashmere，and a soiled white apron． ＂Eighteen cents a basket＂
going to pay such a price as that．I＇ll going to pay
give you ten．＂
＂TINey
＂They are unusually fine，＂said Horatia， ＂I sh．
＂Horatia turned away．
＂I wonder you fruit girls o ask such a price，＂said Miss Lucille Fer－
ras，fingering lier purse strinus＂T Ther there－and that＇s more than they are worth．＂
＂I cannot sell them under the price I shrinking from the sharp glimmering eyes ＂Go alout your business then ！＂said
Lucille．＂I＇ll see the whole tribe of you starre before I＇ll he imposed on so ！＂ it be possible that this shrewish miser was her soft－voiced friend，Lucille Ferras？
＂P＇erhaius Uncle Pelog＇s ＂Perhaps ncle Peleg＇s views of human nature may not be so very much amiss，
after all，＂she said，with a half sigh，after she lad made some half dozen pilgrimages and more than half her berries remaine unsold．
Mrs．
Mrs．Parker＇s house was the last on he
list．Horatia lad let it remin other places were all visited，she herself could have hardly told why－perhaps be－
canse of Justris Parker．She pibed J canse of Justus Parker．She liked Justus
Parker－yct she somehow distrusted his gentle，nier and smooth mannier． ＂I an affraid it is all＇put on，＇＂she stid to herself．＂But Uncle Pelees was deter mined I should go there，and I will not
shrink now that the ordeal is nearly over．＂ The servant requested her to go up＂an．＂
see the young lady herself－she＇s in he see the young lady herself－she＇s in he
own room mostly．＂ own room mostly．
Horatia
Horatia had heard of Laura Parker＇ never seen her．And her hear had
slightly as she ascended the softly carpeted flight of stairs，carrying her basket of
berries． Jusiries．
Justus was sitting on a low chair beside his sister＇s sofa，at the further end of the
room；he rose and came forward as the room；he rose and came forward as the
tranger entered． ＂This basket．
＂This basket is too heavy for you to carry，＇he said，taking it from her arm and
moving forward a seat with a sort of un－ onscious chivalry． ＂ 1 t is not so heavy as it seems，＂said
she，somewhat bitterly；and if it were I he，somewhat bitterly；and it it wer ＂But I suppose a strawberry won as feelings and sensations like other peo－ le，＂saiii Justus Parker，sumiling．＂Sit your fruit．＂
＂You must be very warm，＂said Laura．
Parker，gently；＂lay hack your veil． Parker，gently；＂lay lack your veil．
Justus，please ring for a rhiss of Justus，please ring for a glass of water．＂
Horatia acceptel the water，but refusel to unfuld he：veil．It was altogether too good a mediun for her to observe the quiet tenderness with which J ustus Parker
treated his invalid sister．the reatcd his invalid sister；the open Bible
on the table，the fresh flowers by the sofa， all mate tokens of thoughful love and care． Miss Parker bought hialf a dozen baskets of berries，without a word of exception as
to＂rice． vear，＂she said．＂You must come again when you have more．
Horatia Mere＇s
when she made her cscape were burning basket and heart considcrably lightened． ＂Well，Uncle ！＂she cried gleetully，when she at length reached home－＂I have ＂Have you been to all the places？
＂Yes，all．＂ playful humor． ＇： Peleg，laughing．
Miss Horatia Mere had the handsomest refreshment table and the best sales of any young lady at the fair，and Justus Parker
was her favorite customer The result of the fair was
mon one，if all reports are true．Horatia Mere was married to Mr．Parker，but not until after the honeymoon did he know
the story of how his aristocratic little brido had sold strawberries．
＂Was it wrong of me $?^{\text {＂}}$ she asked wist fully． Parker answered，gravely．－California Parker
Farmer．

Siunp Answer．－A conceited swell asked
the ticket－seller：：I say the ticket－seller：＂I say，ch，must I，eh，take
a ticket for a pup，eh？＂＂Yes，if you mean
to ride on our trains．＂＂．

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Wheat Culture；Burlington；The Apiary； Markets，Rature；Burlington；Time Tables

Crop a Since our
have greatly ncreased in hat stage which is no is a much in this part The barley pieces whic turn out a crop．Peas promise w year．Fruit especially sone local
We quote We quote
Gertleman Wheat．
change Rep ＂In whe
have had ableness．
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market month，and
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in their st in their st
ers have ferring t lave ad about 3
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FARMER'S ADVOCATE.

Crop and Narket Reports.
Since our last report on the crops, they have greatly improved. The late-cut hay increased in bulk more than is usual at that stage of growth. The fall wheat, which is now nearly all safe in the barns, is a much better crop than we have had in this part of Canada for many years past. The barley has greaty improvel, and some pieces which ookel sometimes even a fair crop. Peas, oats, corn and root crops all promise were making lots of checse this year. Fruit in most sections is plentiful, especially peaches and grapes. Apples some localities the trecs are well laden We quote the following from the Country Gentleman:-
Wheat. - The New York Produce Ex
-
"In wheat, since our last weekly review, we
have had a fair degree of activity and variableness. The liberal arrivals, much firmnes in freights since thesday, unfarorable advees thence, have disappuinted holders, as a better
market was anticipated at Liverpool this market was anticipated at tiverpoont this
nonth,and large orders thence were contident-
l looked for; but this nay be realized at an ly looked for; but this nay be realized at an moderate importations and material reductions in their stocks on the seatoard. Mell freely, pre-
ers have declined to yied ot sell
ferring to place it in store, anticipating a better market ere the close of the muntil. We have added to our stock diaily, and find it
about 360,000 bushels. It conlsists chiefly of yood spring; this has been purchased quite the northwest, in regard to the sping crop and prospects of the English harvest being at
least three weeks later than last year, induce a spcculative feeling, and we have had to not
a very general demar d. Our reports thi
On week are very variable; in some counties
ollio and Indiana the results, as thrashing progresses, are not as satissactory as they lorke in
ten days since while in others the yield in
full and wheat-growing states the reports are far fron being satisfactory
0ther reports yield, when thrashed, as we:l as expected; it it not unlikely that rust on the leaves has cit American Rural Hone says the crop is not a eavy in Western New York as was promise proved the prospects of spring wheat in som doing great damage, and in some it is said the have destroyed the crop. There are also many rop mulst be a very moderate one at the best. his cain cool weather that hasis prevailed thulus far pitious to the growing glain, and will help ont
the yield materialy." this should be taken
lowance.
The Mark Lane Express, June 26 , refort, There lad bect considerable rain-more that was needed-and there was danger hat whicat
would grow too much to straw, and might be serionsly lodged. "The cliange to wet
Spain is considered injurious, and also in Prance, neither of which countrics can expect good crops, an Germany, where everything expes late." Prices are siowly receding in
was was late,
most Eur
Grass. arly all reports and accounts in dicate a light crop of hay. It also appears that
there will be a light crop of most kinls forage, except corn fodder; in most section
wheat striw is too rusty to use for fudder
white straw will not be large. The summer which canue too late to save the hay crop feed is generalify good. The Journal of con-
DARY Prodecrs. merce, at the end of a longs article on "Butte The dairy yield in the United States thi
season has been very rich, exceeding in qua
tity that of several years past, and the farmers
are alternately overstocking the butter market
and then the clieese narket. and then the cliese narket. Modes of manu-
and
facture are acture are steadily improving; the consump-
tion more than keeps pace with the increase of porulation, and the future of the Ancrican dairy interest is as promising as its best friends Other repor Oither reports are less promising; the suparye, and prices ratber lower.
Mops, The Mark Lane Expres, June 26,
ys:- During the past week there has been Hors:- - Muring thark Lane texpress, there has been
says: -
no material altertation in our market; to-day however, the unfavorahle character of the residerable increase of business at enlanced
rates. The llight has progressed considerably rates. The bight has progressen the iresent
during the past few dats, nud at the
ime the plantations are generaily infesco with vermin, and in many grounds have becon entre-
ly iven up,"
The cable gives a report, dated Lon:don,
 that there will be but a small yield." On th
ther hand, the Utica Herald's hop report say there are so many old hops in London and thi
country, that a failure of the English crid alone is not likely to resnt in a matrolal ad
vance; but slould the continental crop le s much injured as to furnish none for export
England, then the chances for better price ngland, then the chances
would of course be increased
ditor Farmer's Advocat
ark's cuitiva
Sir,-The Clark's Cultivator I bought from you last April has given me entit
satisfaction. Having worked with it find it to be of very light duaft, casily managed in the ground, does its work
thoroughly, and must be of great inralinity. I am convinced there is no Cultiva-
feel certaiu that any one who may pur chase one of the same will be sittishich
has got good value for his money, by having an innllement in his posscesion unsur
passed for usisculness on the form.

## Fingal, July s, $1 \times 71$. spring Wheat Culture

Wheat growing in Maine, for the past Whteen or twenty years, has been a preciious business. Not to the same extent however, for the past three years as fur
nerly. This has been owing mainly to the nerly. Thes of the midge. But there are other causes-minorones-that have contribute o lring about this result. Cuture has
hat something to do with it. The same
and for wheat. Corn is a gross feeder, and the
and can hardly le made ton rich, while for wheat that condition is casily reacherl. I have found a good cliy loam to be the best situation tor wheat. An alluvial soil,
in which consideralle sand is mixed, wili furnish a good crop. I'otash in the soil, wheat growing. This is wanting in old
fields of wood ashes, leached or muleached. Another essential practice in raising a
good (rop of wheat is carly sowing. good crop, of what is carly sowing.
many years it was my practice on ow
the zeith of May for spring srain ; but latterly I have endeavored to have the
wheat in by the 255 th of April, and I find
it it makes a great difference ar harvest time
whether wheat is bown early or late. If sown thus early it gets too far advanced
when the midre makes its apparance for it to damage the wheat much; then again,
it mal it makes a better growth, and gets a firmer
hold of the suil, and the dry weather that usually occurs morre or less in July and
August does not affect it so much as when August does not affect it so much as when
somu late. My practice has licen to sow
atter corn. The following rotation I hav own late. My practice ha rotion I have
after corn. The following ratation
followel with, I think, fair results:-I usually lreak up after a grood soaking raiu
in August, when the second crop of grass has attained a fair growth. The furrows

and perhaps, spread on some fine old man-
ure, and plant a part of the field to potate, and phent a part of the field to pota-
oes. The next year manue generously,
preading it on and plowing it in with ${ }^{\text {a }}$ spreading it on and plowing it in with a
couple of horses. Plaster is deposited ouple of horses. Plastler is deposited ashes and plaster are liberally applied at
the time of hoeing. In a gool scason this the time of hoeing. In a good scason this
will give from 30 to 45 bushels of corn to will give from 30 to 45 bushes of corn to
the acre. The next year sow to wheat and seed down. This I find a very good roseed do
tation.
One rep One requisite in raising any crop is fine
culture. The wheat plant is rather a deli culture. The wheat plant is rather a deli
cate feeder, and the food furnished by tho roughly decomposed manure of the previou ar's accumulation, with the decayd vego able matter of the grass sod, and the roots conducive to a gool growth of the wheat plants.
As the growers of spring wheat her ave had to contend with the same diffialties for many years back as those Maine, we make the above extract fro clusions in the main. Let scme of our neadit of other farmers.

## Burlington.

##       Ret Oak, falls into a line ruming down the Missouri tlirough St. Joe to Kansas City and Po  also. Lovers of fine views should remember the Lovers of fine views should remember the Burlington R.,nte. ior its trwns "hish-gleam-  stretching over the prairies further than ey cin ceach. Land -1, or they have friends among the two thousa, who lave already lought farnins from Geo.  hour thosisimid linue-steaders and pre-emptors  <br> The Aplary the Ayiculturist, prllished at Mexico, Mo. says : A year or two aro found a swarm in a and   winter ren anit naber western Cye quiet.    for Ohio. Powrir mesket stealy; at $\$ 14.50$ a 814.62 for new mess dull and steady at 103c. a llc. for    Montrea: Markets. Kirkwood and Mor's Report-- By special Tele- graph tothe Froe Press. Montreal. July 24. Receipts: Wheat 12,278 bunhels. Flour 1,800 Sarrels. Flour market depresesed, and buyers    Wheat, no reported transactions; prime Chanad. Spring offered at 81.2 P. Provisions unchanged Butter: limited sale of good lots at 17 ; Choiec  

 tree which I cut about the middle of Mayand transfrred them into a movable cont
I remenered seeing he was caught and hurled 'ff in an instant he American Rural Home, and havis con hive. In falling, a great many of the bect
were killed and crushed in the honey, so that
Inen I lost all but about a gluart. I took then
loone and kept thenin coffined in a warnm roon
fon for thirty-six hours, when I set the cin out
They narked their location and se med to be
dring well ; when one day I clanced to be
$\qquad$

$$
\begin{aligned}
& \text { entrace and fed then as us al at nipht. } \\
& \text { The next norning the rolbers came but to } \\
& \text { my striprise, as som as they came near the }
\end{aligned}
$$

$\qquad$

## LATEST VAREET REPORTS.

 London Markets.
 Timothy Seed, 34 to 81.75; Apples (gra
bush, Give to 80c; Turnips, 200. to 25 co .

## Chicago Markets.

Chicagn. July 24, - Flour dull.
Wheat in demand adanced to $\$ 1.11 ;$ No. 2 Mring closed atel $\$ 1.13$; in the
firmer at $\$ 1.13 \ddagger$ cash, seller July.

## o. 2 mixed

 Corn market to-chy is frmer; No. 2 mixedt is co cash; ;in the afternoon tirmer, at 49 c eller July. (hats quiet: declined 1e; No. 2 nt $42 \frac{2}{2} \mathrm{a}$ a 42 ge.
 Barley tirner,
I'rovisions dull.
Mess pork closed at $\$ 14.00 \mathrm{a}$. 814.25 cash.
Live Hogs active, but weaker at $\$ 1.25 \mathrm{a} \$ \mathrm{\$} .80$.
New York Markets, July 2.4
By Telegraph
 or superfine state and western; $85.70 n \$ 6.25$ or common to E , ex x ster

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nediam for dong so．Charge only one pe

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west of Teeumsel IIouze．Orders sulicited． London，May， 1871.

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 an hatho dividends twe
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tached by a stud to the tension spring, which
tion is flat and placed on the inside of the face-plate,
its upper end securcd to the arme, and is regulatits upper end secured to the arml, and
ed by a thunbscrew in the face-plate.
The Shutrue Movement is obtained from
the shutulecam on the shaft, which is desigthe shutlle-cam on the, shaft, which is desigreronss of a fork which is pinned to the shaft of
the shuttle-arm. This slaft is also made of the shuttle-arm. This shaft is also made of which in a lasket at the end carries the shuttle
along the face of the shutle-race, descriling a
 the best movecment to prevent skiphinit stithes,
the centrifugal force always lieepinst the shuttle The Feen derives its motion from the " feed
cana" placeel on the same shaft, the motion be be
ing transmitted throath the ecceutric rol and ing transmitted through the eccentrice row thich is made of steei, laving a bearing its whole
length, therely preventing any twisting move length, thereby preventing any twisting inove
nent. To the end of the feed lever is attached a screw, which serves to sive any required hirt
to the feed that may be tecesssury for light or to the feed that may be necessiry for atsached
lieavy roods. The feed spring is is also attech
to the bed ; it is tlat, made of stect, and very The deraniury of the Macuive cannot be
nuestivind; the m,vements beint all lardened ares not tively to get out of repar. The whole
iff the works are enclosed in the arm, which is
 Wahut top or enclosed.
caree, , ium may be oricred. It will be observed that there is no gear of

 "centres" in brackets which ary fastenec to the
 five any required "dip" to either toe or heel of
the trea.le, besides taking "ul the wear or loose
motion motioni
The Wheri Bearivg. The wheel runs upon
a tapered stul or bearing fastened to the sid a tapered stud or bearing fastened to the sid
of the stand by $a$ nut with the bearing emp turnel to a centre; the whel is boreld tapering
to fit the stun; uppon the front side of the whee
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\text { iu Hungary, Europe, } 1970 .
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Grain, and, altho Grain, and, altho
coming into gene

## CUL

They are a them to be the b
the kind known. The Wheel and lower inde and lower ince
set to any dopth
can be removed can be remored
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 First Prize Two Row Trarnip，Carrot and Mangold
Drill，at he Provinoial Show，Toront，1870． Second Prize＇wo Horse Cultivator at the Provin－
（ial Show Thoonto，H8o．
 Third Prize One Horse Cultivator，Moronto ensing
All Orders nroppty ntionded to by addrosing
CHAS．THANN，Eramose Bridge，Guelph，Ont．

MOLSONS BANK．
$\underset{ }{\text { Paid－up Capital，}}$

| $31,000,000$ |
| :---: |
| 61,000 |

THE LONDON BRANCH OF MOL west of the New Arcade， west oes Drafts on London，England
New York，U．S．，St，John，N．B． And all the principal Cities and Towns in Onta－ rio and Quebec．
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the De produce business．t merchants and man
Dueals．
tiberally with Discounts for the Farming community．
Buys and Sels Sterling Exchange，New York
Exchange，Greenbacks，\＆e，at very closerates． Exchange，Greences on United States Curre
Makes Advances
and Securities on reasonable terms． and
Savings Bank Department
Dor Affrrds opportunity for safe and rem
investments of accumulative savings．
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which took the extra prize At the late Provincial Exhibition in London．
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we desire to call attention to our
Numbe One and Two Buckeye Combined REAPER AND MOWER,
WITH JOHNSON'S SELF RAKE IMPROVED FOR 1871.
We believe this Machine, as we.
yet offered to the public of Canada.
Among its many advantages we call attention to the following:-
It has no Gears on the Driving Wheels,
Enabling it to pass over marshy or sandy ground with
dering it less lible to breakage. $1 t$ is furnished with
Four Knives, Two for Mowing and Two for Reaping, one of which has a sickle edge for cutting ripe, clean grain, the other a smooth edge for cutting grain in which there is grass or seed clovir.
It has malleable guards both on the Mow
Ledger Plates. It is also furnished with our
New Patent Tilting Table for Picking up Lodged Grain. This is the only really valuable Tilting Table offered on any combined Reaper and Mower.The Tab'e can be very easily raised or lowered by the lriver in his Seat without stopping his Team.
This is one of the most important improvements effected in any Machine during the past two
years.
Any one or all of the Arms of the Reel
Can be made to act as Rakes at the option of the Driver, by a Lever readily operated by his foot. The Cutting apyaratus is in front of the Machine, and therefore whether Reaping or Mowing the entire work of the Machine is under the eye of the Driver while guiding his team. This Table is so constructed as to
Gather the Grain into a Bundle before it leaves the Table, and deposit it in a more compact form than any other Reel Rake.

The Table is attached to the Machine both in front and rear of the Driving Wheel, which enables it to pass over rough ground with much greater ease and $1 \%$ injury to the Table. The Grain Wheel Axis is on a line with the axle of the Drive Wheel, which enables it to turn the corners readily
The Rakes are triven by Gearing instead of Chains, and therelore have a steady anifiorm motion,
Making them mach less liabie to brealkage on uneven ground, and more resular in removing
the grain. The Gearing is very simple, strong and durable. The Boxes are all lined with
BADBIT METAL。
The parts are all numbered, so that the Repairs can be ordered by telegraph or otherwise, by simply giving the number of the part wanted

There is no side Draught in either reapiag on mowing, and the Machine is so perfectly balanceld casinges, where they are suljocet to minitul strain, have been
Twice annealea, thereby rendering them both tough and strong. OUR JOHNSON RAKE
Is so constructed as to raise the cam so far above the Grain Table that the Gra'n dues not iaterfere with the machinery of the Rakes ( P Recls.

We make the above Machine in two sizes
No. One, thige sive, for Farmers who have a large amount to reap.

No. Tho medium size, for Furiners having more use for a Mower than for a Reaper.

With the exception of difference in size, these Machines are similar in every respect. Our
 and large cembined ourchine, both in size and price.
in March amore shat
ining their merits,

And we guarantee that all Machines shipped this season shall be equal in quality and inish to the samples exhibited by our Agents.

We invite the public to withhold giving their orders until they have hal an opportunity of pecting our Machines, as we believe that they are unvupassed by any other Melinty yet offered on this continent.

We also offer among our other Machines
Johnson's Self-Raking Reaper, improvei for 1871 with two knives, smooth and sickle edge, and malleable guards.
Wood's Patent Self-Raking Reaper.
Buckeye Reaper No. 1, with Johnson's Self Rake. Buckeye Reaper No. 2, with Johnson's Self-Rake. Ohio Combined Hand Raking Reaper and Mower. Cayuga Chief, Jr., Mower.

Buckeye Mower No. 1.
Buckeye Mower No. 2.
Ball's Ohio Mower, No. 1.
Ohio, Jr., Mower.
Taylor's Sulky Horse Rake.
Farmer's Favorite Grain Drill.
Champion Hay Tedder.

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Greatly improved for 1871, with either Pitt's, Pelton, Planet, Woodbury, or Hall's 8 or 10 Horse Power. We shall also offer for the Fall trade
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A new and complete Illustrated Catalogue of all our Machines being published, and will be ready for early distribution, free to all applicants

All our Machines àre warranted to give satisfaction, and purchasers will have an opportunity of testing them both in Mowing and Reaping before they will be required to finally conclude the purchase.

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