more use for
n every respect. Our
ween the Jun. Mower our aa nple machines
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Self Rake. Self-Rake. nd Mower.
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11 our Machines ction, and purooth in Mowing ly conclude the

VoL. VI. $\left\{\begin{array}{c}\text { WiLLLAM } \\ \text { Editor and } \\ \text { wid } \\ \text { Propreteor. }\end{array}\right\}$
LONDON, ONT., SEPT., 1871.


## Trials of Implements.

We believe the recent trial of agricultural implements, beld under the auspices of the Provincial Board of Agriculture, to have been the best ever held in the Dominion. The judges were selected with respect to their abilities, and we believe acted fearlessly and conscientiously, and hat a genera feelio of satisccion wa impressed on the spe arm hat withessed the trials. A prize earned under such auspices is of very great advantage to a manufacturer ; but at the same time many really good manufacturers will feel aggrieved, as the majo they of proprietors of mplements bes ores. sible to please every one

## All who ottend one.

All who attended the trial are well was very light and stood well; and as every farmer will have some spots of lodge grain and lying grass, some of the implements that might work well in a good standing crop, might not do their work at all satisfactorily in a heavy crop. The land on which the ploughs were tested was rough and stony enough for a trial of some kinds of ploughs, but for double-furrow or gang ploughs, or for ploughing for a seed bed, the land was unadapted, and the best decisions were arrived at that circumstances would allow of. We deem this exhibition of much more importance than the township exhibitions we have attended, as manufacturers, agents or friends may influence a decision at a small township exhibition, but still they give a good opportunity to farmers to judge for themselves. But even at a township trial the majority will be led by some friend, and machines that are rejected from some neighborhoods are the only kind that are preferred in 'other sections. Nearly al our manutacturers of reapers and mowers have good efficient implements, but some there are that, from the inferior quality or the material used and being improperly fitted, will not last quarter as long as some others.

Moreton Lodge Sheep.
We would call the attention of our readers to Mr. Stone's sale of sheep and pigs advertisement in this paper. We con speak with confidence in recommend
ing purchasers to him, we mean those that want really a good animal and pure blood. We have transactions with Mr. Stone and have never found a more honorable and fiud his stock just what he says it is : the sheep well wooled, healthy and of the purest blood. The fpigs are raised from
imported stock; you need not go there for a bad one.


WEEKS wiHEAT
The above cut represents the "Weeks Wheat." This variety has done as well as any we raised on our farm this year, but of what we a few varieties, not a do no recommend it as superior to all other varieties, because we hear of many who bave mach larger yieIds of other kinds.

## Pests to Farmers.

## yoxes and skunks.

Through the pages of this journal we have treated on many of the pests that touching disagreeable. Ever equally ing spring opened, we have heard many complaints of the damages done by foxes and skunks. On our return to the farm on Saturday last, while seated in the dining-room with the windows wide open and the lamp burning, the dog outside gave a sudden bark, and going to the window looked out just in time to see a fox taking his departure. During a residence of nearly thirty years we have only seen one fox on our farm, but every time we have returned to the farm this season some fresh accounts are detailed to us of the depredations of the foxes within a distance of two miles of us. Sixtcen young foxes have been caplarger number than we have heard of hav ing been killed in the ane redius in any three years of our residence here. Ono neishbor had young turkeys carried off wher lost a whole flock of geese, and they have not left our own farm entirely unmolested, as a litter of them were dug out in the back part of our farm, and in their nest were found lamb's legs and the remains of fowls, turkeys, \&c. Remember this is in the county of Middlesex, which some consider greatly advanced, and only 14 miles from the city of London. Last year there was a wild cat within half a mile of that city.
The question which first presents itself to our minds is, of what use or benefit are the answer yet to learn, and presuming that all farmers who have to depend on their farms for a livelihood, will join us in the opinion that they are of no use to us, the next question is, shall we keep them No, not if we can help it; and the object of this article is to raise the hands of every one of our readers against them, and suggest a means for their total destruction in every county as well settled or half as well settled as Middlesex. Many councilmen will read this, and many of you that have been losers by these pests may read it. Get your councilmsen in each county or
township to bring the matter before the different county councils of your several counties, and let them offer such a reward er head as they may deem sufficient to duce some of the young men to make a ould know de more of their devastations The cost would be a mere trifle in com parison with the benefit derived. We will ake the two cases above alluded to : seven turkeys at one dollar a piece, and fowls worth four dollars-eleven dollars loss to one poor woman, and a flock of geese alued at twenty dollars from another oor woman. Many smaller and somemes larger sums are lost, and ten or wenty dollars is a sum of great imporance to the majority of our small farmers. here are many farmers in a county that ay escape loss by them for many years, he coming season. Perhaps you might thiss a lamb or a pig but as long as or miss a lamb or apig, pests about us they must be fed. And who feeds them ? Who can eatimate the cost of keeping a Cew hundred foxes lunning about the country You may depend they would foot up a bill far larger than you would magine, therefore we say let us unite, put general tax on all, and exterminate a general ta
the animals.

## Northern Ohio Fair.

Ohio appears bound to be ahead this year. $\$ 25,000$ in prizes. Only $\$ 5,000$ for ast horses. We think it would be a nice trip across the lake, and would like to go,
and will if we can get away, and if some of our delinquents will furnish us with cash enough. If any of our Canadian readers do not meet us there they might send us an account of the exhibition. You will see particulars in advertisement.

Erratum.-In the Emporium price list or July and August, read Collard Harrow 820 , instead of $\$ 12$.
Cows Holdisa up Thair Milk.-J. A. Wilson writes the Agriculturiss that he has
found the best remedy for this fautt is to "take a log-chain, double it, then lay it gently over the cow's back-on the 'small of the
back'-so that the ends of the chain will back'-so that the ends of the chain will
clear the floor. The cow loses the power o clear the tioner. The cow loses the power of
holding up her milk, and after a few trials will holding up her milk
forget the habit.

Winter Wheat.
The season has now arrived for us to sow our fall, wheat, and nearly every one has made up his mind what variety he intends to sow. Some few are inquiring of us to describe which variety is the best; we were never more at a loss to inform them than at present. The past seawheat crop in general, that every variety wheat crop in general, that every variety the past 1 i years, and our farmers' granthe past is years, and our farmers' granvariety has been of great service to us for a few years past, but the parasites that prey on the midge have so increased, that very few are now to be found. Therefore we shall not recommend Midge Proof wheat for extensive cultivation, as it is very weak in the straw and does not yield so largely nor command as good prices as many other varieties. The Mediterravean is preferable to the Midge Proof variety in many respects, as we belicve it will stand as much hard usage from wet, frost, or bad cultivation as any; the Deihl is much preferred to either of the above varieties in this section of the country, as it yields more and is worth more ; this wheat is a great favorite in this locality butit requires good and well drained land. ©n tenacions chay sonls, is not so well liked as the Treadwell. In the Treadwell takes the leal in yield and the Treadwent takes the lear in yield and is the be induced to sow, iny other Mr. J C. Fox of Olind has the bearded Tread well and he avs it is more hardy than the bald. Mr. J. Cowan of Galt has the bald Treadwell, and he prefers it to the bearded These two gentlemen are both reliable. In Norfolk and some other eastern counties the Soules wheat is again taking the lead and, in fact, it is coming into demand in this locality, although we do not know farmer in this county who raised one handful of it last year. We believe Mr W. Freeman, of Simcoe, has raised a good crop of this wheat. One person in this county has the old Blue Stem, and it has yielded so well this year that it will no doubt lo sought after by some. The Scott wheat does not appear to have lost any of its reputation as being a hardy va riety and a prolific producer. Stephen White of Kent, Charing Cross P. O., has a
large crop of it. The Boughten wheat large crop of it. The Boughten wheat is by far the earliest variety ; it is also a hardy wheat, and is preferred in our nor-
thern townships and counties, where it may be more valuable than other varietie Mr. L. Lapierre, of Paris, Brant, L. E Shipley, Falkirk, Middlesex, aud J. Weld ing, St. Thomas, have this variety The Thonias variety is the shortest an thickest headed wheat we have seen; and can be procured from Mr. Wright of this city.

Aruold's Hybrid wheats, are said to be 1
(s in number; some of the America papers speak favorably of them, and some Canadian fariners have spoken and still speak favorably of them. Mr. W. Renuie of Toronto, has procured some wheat raised in that vicinity called the Turk wheat, a white beardel wheat; the yield is said to "sim. A farmer there saleoted some heads
of the Mediterranean that produced white wheat, and has now raised considerable of it; it is considered far superior to the common Mediterranean both as regards yield and quality ; in that section the
White White Mediterranean is king. We have
also received a very fine sample of White also received a very fine sample of White
Wheat from Mr. James Ford, of Bewdly, in the county of Northumberland, the original wheat of which is said to have been imported from Australia. He had 14 acres, and it yield
bushels per

## bushels per acre. With all these

With all these varieties to select from, and all of them yielding satisfactorily, we do not think it judicious to commend
one above another - most of the one above another-most of the
varieties we have heard of producvarieties we have heard of producing between 40 and
and some are reported to us as producand some are reported We have given the
ing between 50 and 60 . We addresses of the parties who have the dif terent varieties, so that all may make further inquiries if they wish to change. We have not deemed it prudent to invest in any of the varieties, as there are none so far superior to others as to induce us to do so. Farmers are or ought to be satisfied with their present returns, and but very few will desire to make much of a sacrifice to procure a change of seed from any other locality. The assemblage of al these varieties from the many differen counties we have mentioned, costs considerable, and should a few grains of one kind get mixed with another on being sent
from this establishment, a tremendous from this establishment, a tremendous hubbub may be made and has been made in one instance, even when we did our
utmost to procure the best. We must utmost to procure the best. We must
therefore observe that we can not therefore observe that we can not
supply the varieties as pure as they ought supply the varieties as pure as they ought oo be, and therefore leave you to purchase from your neighbors, millers or dealers, who can purchase at such a price as they
may pay to grind or ship, if not sold for may pay to grind or ship, if not sold for
seed. Many of these varieties would cost us from $\$ 1.50$ to $\$ 4$ per hushel and not even pure at that therefore prefer not investing in them this year.

## The Colorado Potato Bug and

 Potatoes.It is really wonderful and surprising that we farmers should not the more interested in exterminating the many pests that prey on us.
nedies tieve however, the notices and renedies that have been given to the pub-
lic have doue much towards checking the increase of the potato bug, and that they have saved thousands of acres of potatoes from destruction. Some few pieces in this vicinity have been totally destroyed, on account of the bugs being allowed to increase, and particularly in the sections where no agricultural paper is circulated. We also know of an instance where a whole settlement of cultivators of the soil applied to the only one in the settlement who subscribed for this paper, to ascertain how to rid themselves of the pest, and then unitedly they destroyed them. Our subscribers in the east may not think that
much harm will come to them, but do not deceive ycurselves, you will have them soon enough, and plenty of them. We shall have a large cron of potatoes in this section, perhaps the largest ever
raised, as the season has been very favor raised, as the season has been very favor able for them.

Simpson's Horse \& Cattle Spice. For twenty years a system of Spicing or Seasoning the common fool for Horses, Cattle, Sheep and Pigs, has been gradually gaining ground in England, until almost all intelligent feeders have adopted it as the most economical method of rearing and fattening all kinds of Farm Stock.
In 1859 the Gold Medal and First Prize at the London fat cattle show was awarded to a steer fed on food seasoned with Simpson's Spice, 2 years and 6 months old, as the best fat animal in the kingdom-and almost every exhibitor since. that period, who has obtained gold medals, or won cele brity by the excellence of his fat stock, has been a customer of Messrs. Simpson. In 1860 , 4-all winners; in 1861, 13-all
winners; in 1862, ato at 30 - mostlv winWnners; in 1862, atont 30 -mostly win
 1868, when 150 animals, fed on spiced tood, won nearly 100 prizes-including 31 firsts-whilst 272 animals on non-seasoned ood only won about half the number. In don, carried off nearly all the prizes.
The manner of using the Spice is by prinkling a tea-spoonful or a table-spoonful (according to the size or class of ani-
mal) over or into the common food, such as hay, straw, ronts, crushed corn, \&c.The cost is not more than is incurred by using pepper or salt in soup, or with other food for ourselves. The effect is much the same, viz.,-It gives an agreeable relish to coarse food, it warms and nourishes the stomach, assists digestion, creates health, gives a strong constitution, rapid growth and vigor to the frame, and vastly increases the size, weight, andiquality of the animals thus giving stamina and condition to Horses, rapid growth to Calves, Lamh and young Pigs, and great results in weight of carcase in fattening animals, and a large
yield of rich milk and butter frow Cows. A rich milk and butter frow Cows. Among the long list of testimonials we see the name of Mr. G. Roach, president numerous prizes, who speaks in high terms of the Spice. Perhaps he would kindly furnish us with his experience in its use.We shall be pleased to give accounts of the results from any of our practical and of giving it a fair trial, we will present one package of the genuine Spice for so doing We have purchased a quantity, and wil give a package to any subscriber that will
call at our office; or will send some by mail to parties desirous of trying it. In sending by mail the applicant, must remit the postage. We only intend to give 50 packages away, and not more than one at write at once, not later than the loth of the month.
We hope by this means to gain general information about the Spice from our own fined to the office to test it as fully as we should like Others will report direct to us about its merits.

参 Mr. N. Currie, of Dereham, has added to his stock three more Imported Berkshire Pigs-a boar and two sows.-
We hear they are as good as England can proluce. Mr. Currie has long been noted prornce.

## To Our Friends

Gentlemen,-If all is well it is our inention to be at the princinal exhibitions in Canada during the Autumn. At Quebec during the exhibition week; at Kingsston from Monday until Wednesday ; at the Western Fair in London on Thursday and Friday ; at Hamilton and Guelph during the exhibitions. We may be heard of at the Secretary's office in each place, and will be happy to converse with friends on usiness connected with Agriculture, the paper, stock, seeds, implements ar land. Anglo Saxon, the King of Canadian stnck, will not be exhibited at either place, how he look as well how against any or or hapert, inform you the last season was the best he ever made. He may be engaged for the ever made. He to whe erer for the province the greatest desire is evinced to raise the most valuable class of horses.Secretaries of Agricultural Societies should apply early if they desire his services in their section.

## The Scott Whear.

Mr. John Brock Burwell, of Caradoc, was the only gentleman in this county who purchased the Scott Wheat last year, and it was very late when we heard of it.
He sowed it by the side of his Deihl He sowed it by the side of his Dein
wheat, and it yielded seven bushels more per acre than the Deihl and weighs 68 lbs to the bushel. The best judges pronounce
it superior in quality to any other red it superior in quality to any other red
wlieat. The straw is of better quality and it is a harder wheat than the Diehl. Mr. Burwell is highly pleased with the wheat and so is every one that we have heard
from who has raised it. It is a bald, red from who has raised it. It is a bald, red
wheat, and we must give Mr. Burwell the credit of cleaniny it. It is, we think, the
purest aud deanest wheat that we have purest and oleanest wheat that we have
ever been able to procure in this county for many years.
The Diehl wheat we offer for seed is as pure a sample as we have been able $t$
procure ; it has neither cockle or chess in procure ; it has neither cockle or chess in
it ; a few grains have been cut with the it ; a few yrains Weeks wheat is good every way, except that there is now and then a
cockle to be found in it. The Treadwell cockle to be for
wheat is good.

## Manitolba.

We have seen accounts completely refuting Mr. McNeil's complaint, which will be found on another page. We feel satis countries are destined to coutain a large coulation but there is a reat difficulty poptation, but there is a great difficulty doubt will be obvio bed another year arrive We do not think it judicious for persons depending on common manual abour to go there just now, as the labour narkef appears over-stocked and provisions are very dear.

罳 We are pleased to notice that our Canadian manufacturers are now sending their productions to Europe. Messrs. Gates \& Co., the Sewing Machine Manuorder for 500 of their Machines, to be shipped to London, England. This speaks well for the enterprise of the firm.

Newcastle.-Mr. John Miller, of Brougham, has sold an Improved Brrkshire Sow, to be sent to England.price $\$ 300$.

## Farriers' Department.

 COLIC-Cure for Horses or Per-ans.- Spirits of turpentine 3 ozs. ; laud-anum 1 oz. ; mix, and give all for a dose by putting it into a bottle with half a pint of warm water, which prevents injury to
the throat. If reliet is not obtained in the throat. In reat the dose, adding half an
one hour, repeat
ounce of the best powdered aloes, well dis ounce of the best powdered aloes, well dis. solved together,
about the result.
Symptoms.-The horse often lies down suddenly rising ayain, with a spring;
strikes his belly with his hind feet, stamps with his fore feet, and refuses every kind of food, \&c. I suppose there is no medi
cine in use for colic, either in man or horse, equal to this mixture. For persons, a dose would be from 1 t 2 teaspoons; children or weak persons, less, according to the urgency of the symp,
toms; to be taken in warm water or warm tea. I have been familiar with it for about 5 years, and know that it has been successful in many cases, all where it ha
been used. Many think it the best colic remedy in the world.
2. ANother.-Laudanum $\frac{1}{2}$ oz.; sul
phuric ether 1 oz. . Mix, aud for a horse Dose for a persou, as the first A Mr. Thorpe, of whom I obtained thi recipe, tells me he has cured colic in
horses, in every case with horses, in every case, with the first dose,
except one and in that case by repeating the dose thirty minutes after the first There is no question but what it is good and some would prefer it to
tine. I kuow it is valuable.

BOTS-SURe Remedy.-When a horse the occasional nipping at their own sides, and by red pimples or projections on the inuer surface of the upper lip, which may First, then take new milk of © ; lasses $1 \mathrm{qt}$. ; and give the horse the whole amount. Second, 15 miluutes afterwards, 30 minutes after the tea, you will give of | curriers' oil 3 pts. (or enough to operate as |
| :--- |
| uhysic.) Lard las been used when the | oil could not be obtained, with the same

success.
The cure will be complete, as the milk
and molasses cause the bots to let to their and molasses cause the bots to let go their
hold, the tea puckers them up, and the oil carries them entirely away. If you have
any doubt, one trial will satisfy you any doubt, one trial will satisfy you
perfectly. In placees where the curriers' perfectly. In places where the curriers
oil cannot be obtained, substitute the
lard adding three or four ounces of salt lard, adding three or feur ounces of salt
with it; if no lard, dissolve a double handful of salt in warm water, three pints and give all.
We extract the above from 1)r. Chase's Recipes, the useful book that we offer for a prize for getting up a club. See adv.

Cleanse the Skin.--It is a curious fact, illustrating the necessity of cleanli-
ness, and of keeping the pores of the skin open, that if a coat of varnish or other substance impervious to moisture be applied to the exterior of the body, death will ensue in about six hours. The ex-
periment was once tried on a child at Florence. On the occasion of Pope Leo the
Tenth's arcession to the papal chair, it was desired to have a living figure to represent olden Age, and so a child was gildeu child died in a few hours. If the fur of a rabbit or the skin of a pig be covered with
a solution of India rubber in naphtha animal ceases to breathe in a couple of animal
hours.

> To Raies Strawberkies.--First, ${ }^{\circ}$ get
them, add a top dressing of good cream, and
if the land be at all sour, a sprinkling of sugal if the and be at all sour, a sprinkling of sural
vill decidedy improve the quality of the
roo crop. Then ket a sporn, raise the berrees
high as necrssary, and dispose ff then a. .ou think fit. Many, people eat
at the option of the raiser.

## Getting Wet.

Hall's Journal of Health sensibly discourses : Summer showers frequently overake persons, and "wet them to the skin;" on, until the to walk steadily and rapidly than to stop under the shelter and remain there still until the storm is over. If home is reached while the clothing is yet wet take some hot drink instantly, a pint or more ; go to the kitchen fire, remove every garment, rub the whole body with a coarse towel or flannel, put on woolen underclothing, get into bed, wrap up warm, and take another hot drink, then go to
sleep, if at night, if in the day time get
up in an hour dress, and be active for the sleep, in at nour, dress, and be active for the
up in ander
remainder of the day. Suppose you sit remainder of the day. Suppose you sit
still in the damp clothing; in a few min"tes chilliness is observed; the cold
strikes in," and next morning there is violent cold, or au attack of pleurisy or pneumonia, which if not fatal in a week often requires weeks and months an sharp rule should be, if the clothing gets wet, change instantly, or work or
actively, briskly, until perfectly dry.

## or the Farmer's Advocate.

Katie Lee and Willie Grey.
Two brown heads with tossing curls,
Red lips shutting over pearls, Red lips shutting ver pearls,
Bare white feet, all wet with dew Bare white feet, all wet with dew,
I'roo black eyes and two eyes blue Little boo and girl were they,
Katie Lee and Willie Grey.

They were standing where the brook
Bending like a shepherd's crook Bending like a shepherd's crook, Of green willows fringed the banks, Half in thought and half in play
Katie Lee and Willie Grey

They had cheeks like cherries red He was taller-most a heal;
She, with arms like wreaths of Swing a basket to and fro
As she loitered, half in play As she loitered, half in play,
Chattering with Willie Grey.
"Pretty Katie," Willie said,
And there came a dash of red Through the erovinness of his sheekAnd I'll carry, yes, I will,
Katie's basket up the hill."
Katie answered with a laugh:"
"You slaall carry only half," And then, tossiug back her curls-
"Boys are weak as well as sirls Do yoi think that Katie guessed
Half the wisdom she expressed ?
Men are only boysgrown tall,
Hearts donn't chuls And, when long years from that day, Katie Lee and Willie Gray
St od a again beide tlie bro ok
Benduy like St od again beside the briok
Bending like astheplierd's crook-
Is it strange that Willie said,
While agrain a dash of red Gra. sed the l ron niness of his che
": I an strony and you are weak Life is but a slippery steep.
$H$ ung with shalows, cold and deep
Will yon trust me, Katie dear?
Walk beside me without fear, And IIll carry, if you will, Your hife's suruens up he linh.
"A she answered with a layh ,
"No-but you way carry half."
Close beside the little brork,
Bending like a shepherd's Washing with its silver hands Late and early where to-day,
Stand a cittage whate lives with Willie Grey.
Kate

Two men would not speak to each other mecting, having secing his convorted at a camer elieny, hely
mit his hand saying: "H"w d"ye do, Kemp? $\left.\right|^{1} \begin{aligned} & \text { lam. } \\ & \text { dog." }\end{aligned}$

## Horse Shoeing.

Sir,-In the June number of your valuable
sheet I saw a piece headed "Observations on sheet 1 aw a piece headed "Observations on
Shooing," As it was in my line of business,
I thought if there was any information I thought if there was any information to be
had I would have it. It commenced this way: " No person should ever allow his horse to be shod by a farrier who employs or keeps in
his shop the knife used for cutting away the his shop the kmife used for cutting away the
hoof, shaped like a small shovel, and brace
against the shoulder when used in shovelling against the shonulat
away the horn."
Now, I should suppose from the way this man speaks, that he is not acquainted with
the name of this tovl ; neither is he any jure acquainted
the namue.
This valuable article is called a butteris, and will find that the meaning of the word "but viris is not a amall shovel, but a tool used to
pare a horse's hoof. I have used the butteris ever since 1 started horse-sheeing, and have
never sen any harm done with it yet, and 1 hink it is one of the most useful tools I have
in the shop. In using the butteris I can pare a horse's foot level, no as a a great many horse-
shoess do , take the little crooked knife and cut a little off the heels, then heat the shoe and
burn the remainder ; but I level it ready for the shoe to be nailed on, then there is no ne
cessity for the hot shoe to be placed on the cessity for the hot shoe to be placed on the
foot any longer than merely to see if it will fit. In the next place he says:-
"The Almighty designed the frog as an
elastic insensille cushion on which the horse elastic insensine cishion on which the horse
should walk, and not one partice of it should
ever be touched with a knife. If allowed to take its natural course, it becomes a a perfect
take This is all very good, but did the Almighty This is all very good, but did the Almighty
ordain that the frog should renain on the
horse's foot without growilg or becoming rat horse's foot without growing or becoming ray-
yed? if so, He has created a new breed of
horses where you live. It has always been a rule with me to clean
out the foot, and cut off any loose pieces of
frus which may be hancint itd I have never frog which may be hanging, and I have never
seen any bad results from it. In some cases seen will see a new frog grow up, and the old
you
one will become loose and dangling, especially one will become loose and danghing, especially
in horsest that are not travelling much con the
road road. In this case would you leave it long,
and in ansliort time it wonld drag the ground
and stick out behind the heel ; if so 1 would call you a slovenly horse shocr. I should like
to know if you ever pare your toe nails ! and
if so why you do if so, why you do it! Is it not as reasonable
to suppose that they will wear off suooth ly to suppose that hey wit wear off suoon thy
constant walking, as it it tuppose that the
frog cf a hrrse's foot will clean itself by confrog of a
stant iabor
I should like to see more practical lessons
on Shoeing. such as "Interfering," "Overreaching," \&c.
Yours, \&c.,

A Subschiber.
Pcrhaps our corresp ondent will favor us
with sume of his own ideas regarding the cause of interfering and overreaching. They are suljects weli worth being wakened upand
dicussed. Perhans some one may reply to him if he chould wander from the beaten path.

## Editor Farmer's Advocate.

## Honey-Producing Plants.

 To give a full list of the honey-producingplants of Canada, we would begin with the first tlower of spring-the crocus. Our com-
mon garden crucus offers the first pollen to the mon garden crucus oirest the first pollen to the
"litte bury bee, who is ever ready to improve
each thininy hour". even before the snow has each shining hour," even before the snow has
leit the hills. The willow of our swamps produces honey and poilen largely.
kin-the first sign of vegetation an a. The cat-
anongst the
he most valureatless trees. is perhaps the of the most valin iabe honey-producing. Nants of our country,
coming as it doess soon as the beee are able
to travel. The willow should be planted alound the premises, where the hees can get
at it in early spring. The barberiy comes into fllwer whien there are every few other honeyTroducers, and although a good producer,
nutch neglected ; it makes a fine hedge, growHuch neglected ; it makes a fine hedge, grow-
iup about eight feet hight, and witl stand clipping in any shape; its flowers are yellow
hanging very gracefully among the leaves, and Manging very gracefully among the eaves, and
its froit stays onall winter. The native plum,
cherry and cral-apple are honey fruits. The rasperry lsole of our
the Philadelplyia variot it ioney beter for for honey
than fruit. The bocust tree offers rich stores
to the honey gatherer, just before the clover
season, atime when most needed this tree
is very hardy, and, all is very hardy, ant, anting in any place, wher
a tree well worth planting its sprouting propensities will not trespass.
The white clover is the great honey-producing plant; it grows on alnost all kinds of soi
and appears just as the bees are ready to re ceive it; it produces honey and pollen at the
season when comb building is going on, and season when comb building is going on, and
the foundation laid for the season's work.
The bass-wood is next in succession, and, beThe bass-wood is next in succession, and, be-
ing high up in the air, we little know the rich stores gathered from it by the little wanderer
Althongh the bass-wood is one of our fines Althongh the bass-wood is one of our finest
shade trees, and adapted to all kinds of soil,
it is much neglected. it is much neglected. The clematis-a native
vine growing on low lands makes a fine
climber for arbors or screens, and bears a climber for arbors or screens, and bears a
white flower that the bees take to in time of
need eed. The buck-wheat is the great fall pas
urage for the bee; some say it is not good but that we will leave the bees to decide.
B. Losie.
Coburgh, August, 187
Editor Farmer's Advocate
Sir,--I send a report of the seeds I re-
ceived from you this spring. I sowed tho pound of Russian barley on the 22nd of April last, on mucky soil, and it came on
well for a short time, until the drought set in, which caused it to be short in the straw. The heads were nearly as long as the straw and well filled. I had such a
small piece sown that when I had it harvested and taken to the barn, it appeared vested to be about half eaten, by the rats, mice, geese, etc. On threshing, I had 34 , culate, it yielded fifty to one. I think it
cor is an excellent barley, and believe it would make good flour; its appearance is equal
to the Mediterranean wheat, and I intend to try it. I sowed the four ounces of Mc Carling wheat the same day, beside the barley, and it yielded four libs. of good
wheat; is an excellent variety. I wheat; it is an excellent variety. I
sowed the four ounces of Baltic wheat at the same time, and it yielded $3 \frac{1}{2} \mathrm{lbs}$. In my opinion the Baltic is a good spring va-
riety, but not at all equal to the McCarling. I will give you an account of how
the potatoes succeeded, perhaps next Maidstone, Aug. 2tth, 1871.

Fifty Dollar Challenge. I, William Mathewson, proprietor and patentee of Mathewson's Oscilliating
Washing Machine, hereby challenge all proprietors of other Washing Machines to a trial, to take place before three ladies, as judges, who will be appointed by the
directors of the Provincial Board of Agriculture for Canada, who will arrange ricuture or Canada, who will arrange
when and where such trial will take place. I hereby offer $\$ .50$ a ajainst any one accept ing this challenge, for testing the capa
bility of said washing maehine, as to it efficiency for washing without anything but the usual amount of soap and water, washing the clothes thoroughly, protecting the fabric from any injury by being
washed, and for the shortness of time employed and the ease with which it can be verformed. The expenses of said trial to
he paid out of the $\$ 100$ staked, and the he paid out of the $\$ 100$ staked, and the
balance to be paid over by the judges to the party gaining the trial.
WM. Mathewson.
Brougham, Aug. 1st, 1871 .
Texas Cattle in Kansas.-The entire country, east, west snd south of Salina, is now filled with Texas cattle. There is not only cattle "on a thousand hills," but a thousand on qne hill, and every hill. The bottoms are overflowing with them, and the water-courses lined with this than 2010,000 head are within the precincts of the State, 60,000 of which are within a day's ride of Salina. And the cry is: "Still they come !" Every available place is oc-
cupied from within five miles of Salina to the south line of the State.

## FARMER'S ADVOCAME

Editor Farmor's Advocate,
From Red River. Sir,--The crops here are splendid, notwithstanding that they did not get s shower of rain
from the middle of May untilt the 23 dod of July, and then vary little. There will not be as
much strav as usual, but quite as nuch grain much that of the very best quality. The power
and the soil here to produce crops under difti-
of the of the soil here to produce cross under difti-
culties is almost incredible. The spring was culties is almost
ten or fitten dass later than usual in opening,
but was very fine when it did cpen. The sun-but was very fine when it did cpen. The sumn-
mer so far lias been cooler than usual, but no mer so lar larey cutting commenced the har-
frosts. Pa
vest last week, and wheat cutting will comvest last week, and wheat cutting will com-
mence next week. It is estimated that over mence next week. It is estimated that over
2000 emigrants have arrived from Ontario, besides a good number from Minnesota and Khanss, , most
the country. The first lot of emigrants by the country. The first oot of emigrants by
the Lake of the Woods or Thunder Bay
route, (the cheapest way) have just arrived route,
here. here.
For

Return of a Dissatisfied Emigrant In conpany with others from Lobo and
Williams, I started frem here on the 25 an of May last. After a gocd deal of "fire and labor," as Rabinson Crusoe used to say, we
arrived safo and sound at Fort Garry on the arrived safo and sound at Fort Garry on the
19th of June, and though we were subject to niany inconveniences and some heavy ex-
penses, such as meals at 75 cents, and a guide penses, such as meals at cents, and a guiae
fronn St. Paul's to Frog Point at $\% 5$ per day,
still all would have been forgotten, had the still all would have been forgotten, had the
country been half as good as had been represented. Upon arriving we found that no pro-
vision had ben made to give the settler proper or legal possession of any land he might wish to take np. They have no fat registry
offices there yet, so each settler takes possesoffices there yet, so each settler takes posses-
sion ty the
"ruxle of thumb "and that rule in
this case is that the settler draws his waggon this case is that the settler draws his waggon
and plough into the centre of the piece of Jand
he wishes to have. His waggon is called his and plough icto the centre wago is called his
he wishes to have. His waggon is
home, his plough his farm implements, and he claims 160 acres of land around his waggon,
provided some other settler or half-breed has provided some other settler or hali-breed has
not made similar settlement duties before him,
which by the way which, by the way, go where he will in the
part of the country that he can get at, is sure part of the country that he can get at, is sure
to be the case. So man may link his home
and settle down for one night, but on awaking and settle down for one niight, buto on awaking
next morning may think himself in the Lonnext morning may think himself in the Lon-
don market, for he is almost sure to hear the
cld well-known don market, for he is almost sure trive hear drive
cld well-kown cry, "Come, drive on, drive
on there, sir, you cants stop here, this place is taken up." But even if he should be fortun-
to enough to be the first man on the ground ate enough to be the first man on the ground
should he ever have to take his waggon from
home to mill for exanuple, which is only 60 home, to mill for example, which is only 60
miles distant, he forfeits all
mossession and
may return to find some hybrid Italian sitting may return to find some hybria Italian sitting
under and enjoying his vine and fig tree or
their their equivalent. I found the natives and
half-breeds friendy enough, and in many re-haif-breeds friendy enough, and in many re-
spects they behaved better than some of our
Canadian ones there. The Indians are much Canadian ones there. The Indians are much
Cane larger and stronger burdensome, for with, I suppose, commendable forethought, in warm wea-
ther they save it all to keep themselves warn ther they save it all to keep themselves warm
when it turns cold ; it appears also that they are far fron being epicures, for one of the company having lost a horse, he drew it to the
commons outside of Fort Garry, but was incommons ouside by fifteen Indians, who cut it all up into pieces for their dinners. Both in dians and half-breeds are wholly destitute o
decency and are filthy beyond description decency and are filthy beyond description
The soil is a black, rich loan, 4 feet deep and of excellent quality, but water is very scarce,
and that which is fit to drink is almost imposand that which is saw only two springs, and only
sible to get. I saw
got three drinks ot good water while there. got three drinks or good water while there.
In thel
well, and at at the depth of five farted to dig a well, and at the depth of cive feet I was no the same time, were sinking a post, and at the depth of seven feet were not through the
frost. Even if everything else was satitsac tory the climate is too cold, for I I only saw
three days that $I$ could not have worn my overcoat with comfort; and to make the mal and only poplar and other soft wood at that ther
It is now brought for five niles down the and only poppar and other so miles down th
It is now brought for five not
river in rafts to Fort Garry, and it is merel river in rafts to Fort Garry, and it is merely
a question of a few years when all that i
within reach will be consumed. The house are log, built after a peculiar. fashion of the
country not at all like oura. The roofs a country not at all like ours. The roofs are
made of mud and grass., but the houses are
very warm and comfortable. I saw a church
$\left\lvert\, \begin{aligned} & \text { year, and the rest of the logs are laying about } \\ & \text { covered with grass. The water is drawn out }\end{aligned}\right.$ covered with grass. The water is drawn out
of the River at Fort Garry with oxen and
sold at fity sold at fifty cents a barrel, and "as muddy as
ever the Sauble was." At Fort Garry lour is ever the Sauble was." At Fort Garry flour is
$\$ 9.50$ per barrel ; beef, 16c. per pound ; ; pror,
$\$ 60$ per barrel; butter,
cheese. per pound
choc. per pound ; egge, $35 c$. per dozen;
 wheat, and barrey, $\$ 1.25$ per busher ; cews,
$\$ 77$ each ; horses, from $\$ 400$ to $\$ 600$ a span,
common pine lumber, $\$ 80$ per 1000 ft. ; board common pine lumber, $\$ 80$ per 1000 ft., ; board
$\$ 0$ per week, with bed, and $\$ 8$ without. And,
by the way, a bed was a luxury I did not en by the way, a bed was a luxury I did not en
joy only five nights from the time I left home
until I returned. My custom was to tumble until r returned. My custom was to tumble
under the waggon at night and cover mysel
up head and ears, before the nosquitoes up head and ears, before the nosquitoes woul
eat me. I am no greenhorn at travelling, and eat me. I am no greenhorn at travelling, an
I know a god country when I see it; for
have travelled over tol have travelled over twelve States of the Un
ion, all over Canada, trongh England, Ire
land and Scotland, been at Madarascar in ion, all over coanada, through Endancar in
land and SSotland, been at Magagar in
Africa, stopped a good whil in New Zealand, Arrica, stopped a dood while in New Zealand,
and also been in part of South America and
I never was in as mean a country in my life as I never was in as mean a country in my life as
Red River, and I advise my friends to never Red wor, aing there.
While there I s.
While there I saw and stood on the very
place poor Scott was shot. There is a strong place poor Scott was shot. There is a strong
feeling yet among the loyal residents that his
blood shall be avenged. Riel is now tiving Glood shall be avenged. Riel is now living at
a place called Stinking Creek, a very appro a place called Stinking Creek, a very appro-
priate place for him to rusticate. A strong feeling exists against some parties who had
previously left these parts for representing the previously left these parts for representing the
country to be what they must have known it
was not, and other parties who left here this was not, and other parties who left here this
summer are returning home faster than they
went and their statements all corroborate went, and their statements all corroborat
those made by me. Many who have not re-
turned would wish to do so if they had the meanns; lots of clerks and other young fellow
who never did a day's work in all their lives, Who never did a days work ia al at anything.
are now seen glad to get a job
No discredit, of course, but it goes to prove the truth
a humbug.
On tbe road home I stopped at a farm house 300 bushels of oats sown, and they were a
coming out in head, and while I was there a 3 o'clock, p. m., the grasshoppers came down
in a perfect cloud and settled on the oats, and next morning out of the whoe lot the who earth appeared to he covered soveral inch
deepp with them. On the 29 th of July I r
turned home a wiser if not a richer man. deep with them. On the
turned home a wiser if not a richer man.
Alex. MoNei
We give the foregoing information in the writer's own terns. As our readers wish to
know both sides of the question, they will ob serve quite a difference of opinion between Mr. McNeil's account and the accounts we publish in this number from our special cor-
respondent. Both letters are reliable, and respondent. Both letters are reliable, and
vill be read with interest. will be read with interest.

## Editor Farmer's Advocat

WesternFair.
SIR,--The challenge that appeared in the
last number of the ADvocate, is quite suffiast number of the ADVOCATE, is quite sulfi-
cient to satisfy any right-minded person as to which is in error in regard to the controversy
that is coing bo between you and the managers that is going on between you and the managers
of the Western Fair ; the non-acceptance of the same ought at least be the means of making them very reticent in maligning either
publicly or privately, you or the useful paper publicly or privatel.
under your control.
Now $I$ wish to offer a few observations
(being disinterested both personally and locally with regard to the influence and effects the
holding of said Fais have had and will have on he people residing at or near to where different Provincial Exhibitions are holden from
time to time. The last time the Exhibition time to time. The last time the Exhibition
was held in London, there was no opposition
got up against it either by the eastern section got up against it either by the eastern section
of the Province, at Kingston, or by tle central part at Toronto. Even had they done so,
they would only be acting in the same way as the managers of the Western Fair are and
have been doing ; and what other thoughts have been doing; and what other thoughts
can perazde the minds of unprejudiced people,
but that this same Fair was initiated and is carried on solely for the purpose of opposition and defeating the object of the Ontario Exhi-
bition and the Provincial Board. Messrs. Johnston \&\& Co. this sort of thing wont do ;
it looks too selfigh on yournart and willarouse
the indignation of every friend of Agriculture,
no matter infwhat part of the Province he may
reside. What would be the consequence if reside. What would be the consequence or
opposition Fairs were started say in tree or
four sections of Ontario? Of conrse the refour sections of Ontario? Of course the re
sult would be that we should have to mourn sult would be that we shoula hannually cher
over the demise of orr lost and and
ished Provincial Exhibition. ns in the old ished Provincial "Exhibition, ns in the old
truthful adae, "a house divided against it-
self must fall." In conclusion, then, I saa truthful adace, "a house divited against
self must fall." In conclusion, then. I say
away with sectional prejudices, and let every away with sectional prejudices, and let every
friend of agriculture rally aroumd the Provincial Board, and let us have an annual Exhibi-
tion worth of Ontio, the quern Province o tion worthy of Ontario,"
tbis "Canada of Ours."
Simcoe County, Aug. 15th, 18
Sitor Farmer's Advocate SIR,-I write to inform you that by some
mistake somewhere I have never reccived my Ully copy of the Farmer's Advncata, and
will be obliged to you if you will formard it to my address without delav. Yours truly,
P.S.- $-\mathrm{SIR}_{\text {IR }},-\mathrm{I}$ await with very nuch inter-
est your description est your description of the yield of the several
new kinds of fall wheat, in the September number of the ADVocATE, coupled with you
recommendation of the same, as regards thei recommendation of the same, as regards thei
purity and freedom from foul seeds. Since 1 became a subscriber to y yur valuable paper
has afforded me much pleasure to read cf your experiments with the different kinds of'seeds and plants on your own farn, and your re-
marks about then!. Fall wheat is a splendid crop in our township (Innisfil) this year; the
chief varieties grown are the Soules, Tread chiel varieties grown are the Soules, Tread-
well and Diehl. I cannot as yet tell you the
yield yield per acre as the threshing is scarcely com-
menced with us as yet, but I heard to-day that some of my neighbors think they will have about 50 buskels to the acre of a mial
piece of the Diehl variety. We find this variece of the not sien varinety our deep snows as well as
the others, but where it comes out in the the others, but where it comes out in the
spring all right, "it is the wheat," although unst fully concur in your statements as
cards its shelling and sprouting propensities Dear me, how it did tease me last year. Be
ing a wet harvest, it would grow in spite of all ing a wet harvest, it would grow in spite of all
I could do; it even grew in the stok. But could do; it even grew in the shen it was
so neen discouraged; I Ithouht when
so krowing I would let some of it have a chance, so I sowed about ten acres o
barley and pae stubble with it, and I have a
splendid crop. It did grov well. splendid crop. It did grow well. I may
just say that I procured ny sed srom Mr.
Springer, Hamilton, and this st the third year Springer, Hamilton, and thys is the third year
of its growth, and $I$ nay safely say it is now as pure as when I received it, for I was under
the neecessity of hand-picking it the ffrst year. the necessity of hand-picking it the first yea
and you may be sure I gave vent to sonue o
my experience in regard to advertisements good seed wheat. Believing you will still con the merits and demerits of the different kind of seeds as they come under your notice,
will wait until I receive the next number o your paper before I decide what change to
make of my sed. Wishing you success in
your undertaking for the public weal your undertaking for the public weal,
I remain yours, \&c.,
D. HUNTER.

## Craigvale P.O., July 31st, 187

Mr. Hunter's cause of complaint is no uncommon one. We are most careful in seeing that all our subscribers papers are duly destination but cannot follow them to their the Post Office arr, carried out, we always, on being informed, re mail the undelivered copies when we have them about us, whic
ces, is all we can do
We are extremely pleased with Mr. Hunter's remarks, and regret very much we cannot test seeds on our own farm to a much greater extent than we have hitherto done, from the meagre support givan us by those most interested in it. Our plans were much approved of by the Governor, Sir John Provincial Exhibition held and oners, at the and obtained the promise that the Minister of Agriculture would see that they shouid be encouraged. That is all the aid we ever have had from that quarter, or ever likely to have The testing of various seeds has entaile
argeo.outlay and heavy loss upon us as yet and our main stay of hope for support to carry n our Emporium plans more extensively
rests on the farmers of the Dominion, who ave proved themselves to be our most trustworthy friends. Let them subscribe for and write for their own paper, the Farmer's adocate, and we pledge ourselves to spend and be spent to the utmost of our abilities and of the Dominion, and in advocating all that is ikely to further the advancement of the likely
same.

## Editor Farmer's Advocate. <br> The Aplary

STr,- $I$ I would like to give information to
others if $I$ had the faculty for doing so: I often ask people to come and see my bees and
would like to give them a better idea than by just piving them a description of management. inave been experimenting this seas.
with an imported Italian queen fronı Mr. H .
A. King of New Y York, and have been $r$. A. King, of New York, and have been rather
successful. On June 19th I introduced her into a stock successfully and raised five queens into a stock successsully and raised five queens
which $I$ found laying and five more not laying, but quite young. I am also experimenting
with another in a fertilizing cage after Mrs. Tupper's plan. Artificial impregnation ap pears to be the great question before bee-
keepers at the present time I have had a keepers at the present time. I have had a
desire for 50 me time to write an article on desine fring bees in the open air, hut my time is to fully occupied at present.' 1 have uader
way a honey extractor which $I$ intend to ex way a honey extractor which
hibit at Kingston with other articles. to ex
Extracting honey is quite a new idea in this
country, and it takes us some time to get into country, and it takes us some time to get into
the improvements that our American cousins the improvements that our American cousing
have, but the time is coming when honey will he taken from bees and they will not make
new comb in the ton boxes, but will fill the new comb in the top boxes, but
old comb in the body of the hive.
Any agricultural paper to be up to the times
now, must devote a portion of its space to Any agricuitural papertione of its space to
now, must devote a portion
bee-keeping.
Yours, \&c., B. Losie.

We intend devoting more attention to the bee question in future, but hope Mr. Losie, or some other apiarian will oblige us with an arhicle each month to show the plain farmer
how keep his bees with less loss and enable him to extract the honey without the destruction of the comb. It is our desire to learn and practice more the mode of treating the bees in the movable frame hives, to teac which is the best hive, the best kind of bee the best mode of management, and to ascor
tain which is the best honey extractor. Som say they do not want anybody to teach them hcw to use an extractor, as they perfectly understand that part of the business, but they destroy as much of the wax as a bear would.

Editor Farmer's Advocate
Orchard Grass.
Srr,-Have you any of the Orchard Grass
seed for sale, and if you have, at what price Please inform me how it stands the drought
what kind of land is suitable for it ; mich is sown per acre and when it should be cows and calves, for neat season, and I should
like to know if there is anything would answer better than orchard grass. Yours, \&cc.,
Warsaw, Aug. 5th, '71.
We have not raised any orchard grass our elves, but have seen it growing, and we kno of nothing that will grow quicker for spring fed. We believe in will dow either he spring or fall. We have uot some. We should feel obliged if some of our readers that have raised it, would send us an article on it. We believe it will be much more grown as soon as its advantages are known, but it takes a number of years tolearn its

## Editor Farmer's Advocat

Carter's Ditching Machine Testimonial from the Superintendent of the London Asylum :-
SIR,-I willingly bear testimony to the
ralue and efficiency of the Carter Ditching Machine, purchased from you. Last year we drained fourteen acres with it for our garden,
on very stony groutd. In clear ground, whe on very stony ground. In clear ground, whe
thêr sand or clay, it works well and rapidy and saves labor to a large extent. Next yea I shall
draining by the machine compared with hand
labor, 1 have nearly fitty acres to finish thi year. Farmers purchasing it will soon save it cast. I made two hundred rods of drain
feet deep in four hours.
Yours, \&c.,

London Asyluni, Aug. 14, 1871.
Mr. Landor says much more work can b done in the same time on land having no stones the ditcher.

Editor Farmer's Advocate
Crops, Canada Thistles, \&cc.
SLR,-Inclosed you will find four dollars, being this year's subscription for your valuable
jourual. The weather is extremel dry here,
no rain for about a month. Fall wheat light no rain for about a month. Fall wheat light verage ; barley, light but good sample ; peas are an average caop; hay, very light. Inoticed in your paper an account or man in
Your vicnity that can destroy Canada thistles.
If he will kill all the thistles on my place or If he will kill all the thistles on my place or
give a method that will, without taking a lifegive a method do it in, I will will give him one huntime to do it in, I will will give him one hun-
dred dollars, and I think he will have no difficulty in raising many a hundred more in this vicinity.

Wm. Walker.
h, August, 1871.
We have been in expectation of further accounts about the destruction of Canada thistles from the experimenter, and will fur nish information as soon as obtained.

## Letter from Australia.

 [We give a few extracts from a letter fromSouth Australia, which we think will be of interest to our readers.]
Editor Furmer's Advocate.
Sira, - I have great faith in this country, Sir,- - have great faith in this country,
and with time $I$ am certain it must succed.
What with our cereals, metals, wool, wine What with our cereals, metals, wool, wine
preserved meats, etc., I can see a state of prosperity and happiness in come, especiall those who are grown up in years with al
their prejudices and feelings in favor of old
nita views. Habit is a second nature, and I have
grown accustomed to the habits of this coungry, and I should be miserable if I were out
of it. Even now we are doing well. Five
or of it. Even now we are do.ng wert at 51 cts.
mittion bushels of wieat for export at
per bushel is not so bad ; our land laws also are becoming more liberal every session. Govfor three years, and not a stone or stump to grub. Two young chaps went up last yea
trom this place and put in about 100 acres in five months, realizing 15 bushels to the acre and this year they have put in 300 acres. I
the season (and there is the rub) proves right the season (and there is the rub) proves right
they can purchase the land out and out an they can pundependent position. We have had
be in in
a fair season for the farmers, and although a fair season for the farmers, and althoug
the yield in this part has been poor, the crops in the north have made up the
the colony is in a state of prosprity, recove ing from the depression which three previou bad seasons had brought about. The price of
wool also has improved, and I think brighter days are in prospect. The vintage has been the yield of wine correspondingly good, probably producing from four to five hundred gallons
per acre. We have not yet obtained a foreign per acre. We have not yet obtained a foreign
market for this commodity, but what wines marke ber slipped to England have been
havorably spoken of, and in time to come I
fave lave no doubt a demand will spring up to
really good substantial wines, and when tha shall be the case, South Australia can produce
enough to supply half the world if necossary,
for the vine will grow almost anywhere in the
colong and in places where wheat will not suc-
ceed. Then as to dry fruits, such as raisins
and currants, we oust surely and currants, we ought surely to do sone-
thing in that line. By the papers I have sent you a good deal of information may be gath-
ered as to the products of this Provinee. This is our seed time and the farmers are as tion and so far things look well. I am glaid o learn you are making headway and tha
the size of the paper and its contents are improved, but as for writing an article in it that is not in my line, and should I do so I
dontht whether you would be foolish enough to put it in.
Nairne, S. Australia, May 19th, 1871. Editor Farmer's Advocate.

Does Farming Pay $P$
SIR,-In your July number, the pertinen
query comes to "Young Canadian Farmers," writing was ever taught in the school t
which they went? What talk! why Inev wrote an article for the press in my life, and
would you believe I was ccnsidered one of the best writers in our district school. But methinks I hear you say that you mean figura-
tively. Well, if you will tell me what to write "I am yours to command" all day; or if you
will throurh) your valuable paper show "Young
Canadians" "low to make fand Canadians" how to make farning pay without
working so hard, I will for one promise to devote part of the time thus gained in writing for you. But when one comes in from a hard aays sork, thred and weary, trying to eke out
a living on a farm that has seen its best days, uniess the Advocape tells us how to improve the soil, what grain 18 made of, what manure ents taken from it by the crops, how to raise thirty bushels where we only raise ten, how do you expect that we can find time or energy for
writing? or what can we get to write about, unless to whine and complain of poor crops,
hard times, etc. (But enough of that this hard times, etc. (But enough of that this
time, and pertwops we vill try and find out the reason why far
is not made to pay.)
You make a noise about the Colorado bee tee, but it has not got this far yet; our pota-
toes suffered more from late frosts and dry
wet weather than they would from a small army
of the of the aforesaid bugs, so that the potatoe crop
will be next to nothing. Hay was the lightest will be next to nothing. Hay was the lightes
known for years, but what there was is of the hest quality. Fall wheat was rather spotted
band winter killed badly, but the sample is and winter killed badly, but the sample i
first-class. Barley and peas are in genera grrs-class. bariey and peas are in genera
good, and by the end of this weke the greater
part of them will be secured. But of spring wheat, tor which our township is noted, 1 an an ashaned to speak. Oats, those especially
sown early, will be an average crop, and pas-
ture-well, if it does not rain sooul catle will have to be fed to keep them from starving, as the pasture is dried up. Well, I gless I had
better "dry up" to. Yours, etc., Erin, Aug. 8th, '71.
We insert "Young Canadian's" prelude to expected future articles, but he will have pay. We contend it does pay, but blunderin may not. Answers to his queries are continuously to be found in the columns of the on some of the plans successfully carried out sch as clovering and draining. We hope some other "Young Canadians" from other
counties will send in communications. formation and suggestions for improvemen are what we most require.

## Editor Farmer's Advocat

Grani's Hay Fork.
Sir,- - I write to inform you that through
the advertisement $I$ inserted in your paper I have been enabled to introduce my fork to a
much reater extent than I could otherwise much greater extent than I could onte New
have done. I have even sent them into Brunswick, the advertisement having heen
seen in your paper in that distant part of our
Dominion. 1 wish you every success in your Dominion. useful undertaking.

Clinton, Aug. 11th, 187

Farmer.'
Too many are apparently quite ignorant of
the value of mulch. Indeed we have met with parties making some pretensions to me gardeners, who did not know the meaning of
the eterm. As a protection and help to newly the term. As a protection and help to newly
planted trees there is nothing bike it. Few
transplanted tree would fail it this precution ransplanted tree ' would fail if this precaution
were taken. A' good mulching of straw bitter leaves, newly mown grass, weeds, spiant
tan bark, sawdust, keeps the crourd loose tan bark, or sawdust, keeps the grourd loose
friable and moist, and in the best state gener ally tor securing steady and thrifty growth
A correspondent of the Rural Neio Yorker writing on this subject urges the use of al manner of material for the purpose, that may
happen to be within reach, and cays that shavings, brush, but short, and even cobble stones will make a mulch, if nothing better in
at hand. He also gives an interesting account of "the philosophy of mulching," a point on which little has been written. He observes:
Downing says, "by preventing evaporation it Downing says "by preventing evaporation in
keeps the soil from becoming dry:" This is
the general theory, right as far as it goes, but the general theorry, right as far as it goes, but
is far from expressing the whole truth. Mulching is actually watering. It is providing
constant and ample supply of moisture. It does more than this: it provides a constant
supply of fertilizing matter.
since
Some years mulch, the writer tried some experiments, light upon the mode of its action. Perceiv-
ing that a heavy mulching of saw-dust produced all the apparent effects of heavy manuing, and kept he ground moist in the driesk
season, the bulb or a thernometer was sunk
to the bottom of the mulch, and the mercury to the bottom of the mulch, and the mercury
fell ten degrees. This demonstrates to my mind the cause of moisture and fertilizing. The nulch being always porous, permits the
free circulation of the air, and being ten degrees cooter of the air is condensed. This accounts for the constant moisture of the earth under it, even in the driest season, The ammonia, and carbonic acid, are deposited by the condensation of moisture under the mulch wiriring of the soil, in a dry time will prevent
injury to injury to a crop for want of rain. This acts
upon the same priciple as he mulch. The upon the same priciple as the mulch. The
soil being kept porous receives its moisture by
俍 condensation from the air. Nitre is ofter
gathered from the earth in damp, dark cellars gathered from the earth in damp, dark ceilian
and from under rubbish which has been long und from unbed, and it was deposited
same manner as under the mulch
Mulch has another remarkable quality. I will render the hardest and most compa
 free circulation of air through the soil, cause
by many ploughings. If the soil is left un y many ploughings. If the soil is left us pact, and little or no benefit arises from a
years rest. If the ground were mulched, it years rest. If the ground were mulched,
would need no ploughing oproduce the same
benefit. It is recommended by sone hortioul benentit. It it recommended by sone horticul-
turists to remove the mulch in September, for a time to prevent too much water from being taken up between the bark and ine sap woon
which it said, will reeze in winter, and
cause the frozen sap-blightet the mulch may cause the frozen sap-bight; the mulch may
returued at the commencement of the cold
weather. This may be done by those who he weather. This may be done by those who be
lieve the winter-blight thus produced. But let no one forget
to do it with.
Horace Greeley's Agricultural Maxim.
I. Only good farming paye. He who nown
or plants without reasonable assurance of good crops annually, might better earn wages of
or por
ome cant some capable neighbor than work for so poor a
paymaster as he is certain to prove himself. II. The good farmer is proved by the eteady
appreciation of his crops. Any one may reap an appreciation of his crops. Ant one may reap an
ample harvent from a fertile virgin soil) the
good farmer alone grows good crops at first,
and better ever afteward good farmer alone growb
and better ever afterward.
III. It is far easier to maintain the product.
ire capacity of a farm than to restore it. To exie capa its focundity, and then attempt its rea-
horation by buying costly commerciaf fertilizer toration by buying costly.
is wasteful and irrational.
IV. The good farmer sells mainly such pro
ducts as are least exhauztive Necesity may constrain him, for the first year or two, to sell
grain, or even hay; but he will soo send off
his surplua mainy in the form of cotton, or his surplua mainly in the form of cotton, or
wool, or meat, or butter and cheese, or somee.
thing else that returng to the goil nearly all that
is taken from it. A bank account daily drawn
upon, while nothing is depopited to the the credit,
must woon reppond, "No funds ;" oo with a
furm similerly treatel Varm similarly treated.
V.
mayy not posion io at least negative fertilization.
ast $r$ entich
farm; ; it will at




 nd reflection, there would be fewer failures i
tarming. than There are
VII. For his chitdren is that which surrounde tiei
youth weith the ration del deliohts of a beautioul, at
ractive home. The dwelling may be mall an

 children fond and proud of their ho
VII
 Many parents have slaved and pinched od toeave
their children rich when half the sum thus Revished would have profited thenen farmore had
it been devoted to the ultivation of their minds, the enlargement of their capacity to think, obnerve and work. The one struture that no
neighborhood can afford to do without is the
sehool-house,


 and pleagant surrounding have weaned many
a youth from the frrst wid impulue to go to sea
or crose the continent and make him or coros the continent, , and make him to an docoile
contonted, obedient, happy hingerer by the par
 poor, no other good is no precioun as thoughtful,
wathhful ove.
X. Most men are born poor, but no man who
 to opulence, in the surest or all wayy from pov.
erty and want to comport ind independence
Other men must climb ; the temperate, frugal Other men muat climb; the temperate, frugal.
dilitigent, provident farmer nayy rove Into comi
petence and every external nocesoory to hap pi-

Tanming Sheep-skins with the
Weol on. About every six weekn we have an inquiry
at ot the best method of tanning sheop-bling with the wool on, for use, as doormatz, rugs c. Here are the directions: Thek the skin
upon a board with the flesh nide out, and then
acrape with a blunt knife upon a woard a blunt knife; next rub it over
acrape with a
hard with pulverized chalk untit it will abobrb

 board or door, and dry in the air, an
ready for use. - A merican Artiain.
 has been felt least a great rise in price may take
place when the gape cansed by the recent dee.
truction of horvep on the Continent come to be
filled. We have not met with nay ourtimate of
the total number of horses during the war. It


 From a recent Enclish special report, It ap.
 thosanand children, hafif boxy. and halif hirls, six
thousand eight hundred and nineteen bore the
 and se
eikht
There
seven

## FARMER'S ADVOCATE.

## How to Grow Pears.

The proper cultivation of this universal favorite is more frequently the subject of
discussion than that of any other fruit. Successful growers of apples and other fruits so often fail in their attempts to raise pears, that trey regard a mystery-the reffects of a dear-bought recipe, to them kept secret. Their extensive cultivation especially in the Northern States, has sel
dom been attempted; but those most successful in raising them are most desirous of extending their culture and improving their qualities.
To discuss the merits of the various
theories and practices of different cultivators, would require more time and space than we can at present devote, to the sub-
ject. From the widely different modes ot ject. From the widely different modes of
treating this fruit tree, an outline of the course suggested by ourown experience and observation will, we feel assured,
satisfactory in similar circumstances. It cannot be far from correct thatevery
climate and soil whch will grow corn can climate and soil whech will grow corn can
be made to grow pears. Soils which are
of a strong, gravelly texture with some oflay intermixed, appear to be best adapted to produce fruit of the highest excellence.
Varieties which flourish on the quince Varieties which Hlourish on the quince, do
exceedingly well in a soil rather moist; but any soil not inclining to be dry, with good culture will produce fine fruit, either on the pear root or quince. It must, however,
in either case, be deep and rich, as success can be obtained ou no other condition. Whether pears succeed best on the quince or on their own roots, is a question frequeutly asked. "I do not want any more of your
dwarf trees," said a driving farmer, " they get broke down with the snow, and break off where they grafted. They are good for nothing; too short lived. 1 want some
thing not afraid to hold their heads some good large standards, as you some good large standards, as you
call'en. If they don't bear in my day, my grandchildren will have something to remember me by, and I shall get some credit, if no pears."," If 1 can have only one
style of tree," says our city gardener, "I style of tree," says our city gardener, "I
would sooner take the dwari. It takes very much less room, and you can have a
greater variety, and ret pears in a year or greater variety, and yet pears in a year or
two after they are planted. I lave gathtwo after they are planted. Thave gathBonne's as were ever seen in market; and the tree had been planted only six years last spring. And 1 have a dozen more
trees in my garden, all dwarfs and planted at the same time, that you could not buy fur fifty dollars apiece."
It is not to be wondered that tyros, who
come in contact with either of the come in contact with either of the zealous representatives of these different methods
of pear growing, should become at the outset as decided in their preferences as a young politician, who reads one political
paper. In this, as in many other theories, paper. In this found between two extremes. It
truth is does admirably on the quince, as that the Bartlett will flourish best on the pear stock. The Duchess caunot be grown advantageunite well nor flourish on the quince. But we venture an opinion that few lovers of
pears would be willing to leave either of pears would be willing to leave either of
these cloice old varieties out of their col.
lections.
The first requisite is a rich and mellow
soil. If moist, it must be underdrained. soil. If moist, it nust be underdrained.
We do not mean by richness any such quality of soil as the farmer describes when he speaks of his best corn lands, or grass
fields, or even his garlen. One of the pear growers in Massachusetts plowed a certain Iot ten or twelve times as deeply as pos-
sible, and applied thoroughly decomposed compost half as many. The trees had been planted three years, and had made a growth
of four to six feet in one season on the lead of four to six feet in one season on the lead
ing shoots. This extravagant mode of ening shoots. Cceeded hy a like excessive
riching, such
growth, is so unlikely to be imitated, that we need not caution our readers in this direction: our fear is that sufticient nourish-
ment will not be provided to produce satis-

Next in importance is the selection of
the trees; and in no particular is the nov-
ice likely to err. The variety, size, form ice likely to err. The variety, size, form
and health of the tree, are points about which hecan beinformed ouly by years of observation and experience. Trees slightly crooked are certain to become of sufficient
ize; but they are often rejected for size; but they are often rejected for such
is are perfectly symmetrical, but defective in other respects, when examined by the experienced grower. And this demand for
perfectly for med trees, as if inanufactured to perfectly fon med trees,as in inanuactured to
order atsome umbrella establishment, has a order atsome umbrella establishment, has a
tendency to induce the growth of certain
trainht vigorousstraight, vigorous.growing sorts by nurse-
rymen, to the exclusion often of better va rymen, to the exclusion often of better va-
rieties, which are straggling and crooked in reties, which are straggling and crooked in
cheir habits,- as the Winter Nelis. Varieties, too, are often selected which it is as unwise to plant as it would be to attempt
to grow the fig or the apricot; and the more to grow the fig or the apricot; and the more
experience a gardener has iu this department, the more caution and care will
exhibit in his recommendation of sorts. Planting, when the ground is thoroughly prepared, is very quickly and easily perfor
med. The holes for the reception of the tree should be wide and deep enough to es that are too luxuriant are checked by simply bending then downward. In like mamner, a short curve of the roots from
their natural position will prevent growth and weaken the tree. Deep planting is yet more fatal in its efificts. Even the dwart
tree on the quince should not be planted tree on the quince should not be planted
as low as is recommended by some writers. It is sufficiently deep if the stock is covered. The greater facility of operating has When great a distance from the ground. the practice will be discontinued for want of purchasers, as trees grown in this way eldom produce satisfactorily.
Various ways of staking
Various ways of staking are adopted to llown about by the winds, an important item, sufticiently understood. Watering is seldom necessary, and as usually per-
formed is injurious. At the time of plant ing, it may be applied very soon after the roats are covered, but the final layer of earth should be thrown on dry and light,
to prevent evaporation. Every one must to prevent evaporation. Every one mus hard road dries or freezes, than lighty
plowed land; and watering the surface very soon hardens the soil, when it resists the action of dews and decomes parched and
cracked, thus producing the dryness so inportant to prevent. It is, however, some ing, to save the life of the tree, and the nore nearly we imitate tte natural show
ers, the greater will be our success. W. have several times saved very valuable engine,--the lest method we have ever adopted for this purpose. Very good re
sults may be obtained by simply removing She earth nearly to the surface roots and
applying a large quantity of water at once applying a large quantity of water at once,
only in as gradual a manner as possible
WI When a harrel of water has thus been ah sorbed, the soil may be replacen, and no
more water applied for several days or
weeks Mulching with any substance that wil keep the ground moist, is of great impor
tance. Where various materials can b had, preference should be given those of an
enriching nature, and the mulching should go on in winter as well as in summer. In young apple orchards, if this were allowe
danger would arise from the depredation of mice, but pear trees are seldom troubled
by this vexations quadruped. Offensive substances are sometimes applied to guar
or preserve them. Alkalies and variou other substances, at proper times and pro-
portions, benefit the tree also, by producing thrift and preventing insects. But application of coal tar or aily substance At the time of planting, the tree requires
more or less pruning and shortening of the hranches. You will never need to caution the uurserymen about giving you too man
roots, It would be better to ask him to
send the roots with the tops, and have
them packed in the most approved style them packed in the most approved style, as many dollars deducted or pack our prospective pear orchards. Smothly paring the roots, where they are broken, assists them in healing. All superfluous branches should now be cut out, and usually onc-
half the growth of the previous season half the growth of the prevost upright
should be cut back. The most powe ber, being the strongest,
shoots, however, shoots, however, being the strongest,
should be reduced more than one-half, while the lowest side branches should remain nearly their full length. The form
of the tree has much to do in the proporThon of this reduction.
The dwart pear tree
The dwarf pear tree requires to be pruned
in a manner somewhat similar, but its in a manner somewhat se kept within two feet of the ground, and the pyramidai form
adopted. All attempts to yrow this tree adopted. All attempts to grow this tree as a tall standard have frees. (the usual age so plant) should be cut back, leaving only
six or eight buds at its base, while the six or eight buds at its base, whine the
side brauches should be pruned in less proportion, keeping the pyranid

## Preparing und $\mathbf{P r}$

In a discussion at the Dairymn In a discussion at the Dairymen's Cluh
in Utica, Mr. H. Lewis of Frankfort said : How shall we prepare rennet for use in cheese-making? Dip a sufficient quantity vallon from each remuet to be used; heat it up to the boiling point over a slow fire
and skim off the albumen that rises to the surface. Set by the whey until cold ous matter at the bottom of the vessel, and to each half-gallon of whey add one rennet and sufficient salt so that there will always be a small quantity of salt undis
solved. By rubbing the rennets three or four times each day, for as many days, the liquid will be of sufticient strength for use. Strain this into a jar, to be kept for daily use, always keeping it supplicd with sal
undissolved. Every time before dipping out for use, stir the liquid thoroughly. The daily stirring will make the rennet of uniform strength, and also aid its keeping.
The rennet skins may be salted and again The rennet skins may be salted and again
dried, or put into another jar with half the quantity of whey first used; and by soakng and rubbing as before directed, the liguid will, in a few days, be of abont
equal strength with that oltained at the equal strength wind may be strained into fhe same jar with it. 'The skins. may now be recturned to the jar, and sutficicat whey added to cover them; a weight being put
on to keep them under, and sufficient salt added to reach above the liquid. The rennets will remain perfectly sweet any length of time, or until the jar may be
wanted for a new batch of remnets. Then for each new reunet add a half gallon of whey as before, give the old skins a thor-
ough rubbing and rinsing, after which ough rubbing and rinsing, after which
they may be thrown away. In preparing rennet for use in cheese-making, two pre cautions are necessary; first, every remet
should be carefully examined, so that impure nor tainted remnct shall be put in to the batch; and secondly, salt undis
solved should always be kent in the jar while preparing it for use, and also in the jar from which the daily supply is taken.

Magic Nerve Limiment.
This was used and recommended by Dr.
Stewart, for nervous affections, spring-halt, Stewart, forts, \&c., in horses.
swelled joint
Spirits Hartshorn, $1 \frac{1}{2}$

Spirits Hartshorn, $1 \frac{1}{2}$
Sulphuric Ether, $1 \frac{1}{2} \mathrm{oz}$
Sut
Spirits Turpentine
Swect oil, ,
Oil cloves,
oz.
Put into a strong bottle of the capacity
cht ounces, shake limiment, and it is read ight ounces, shake liniment, and it is ready
or use. Kerp) the bottle securely closed. and
on a dar in a dark place free from light.
Dane, Wis.
Both the Army worm and Chintz buy are
arep doing much damage to crops in dif-

The Potato Bug
On the approach of winter they dig
down and bury themselves in the earth six down and bury themselves in the earth six
or eight inches deep, where thousands of or eight unches deep, where thousands of
them may be found in their winter quarters, only waiting for the warm sum of June to call them forth to their work of
destruction. The bugs will make their destruction. The bugs will make their
appearance about the first of June, but will not be so numerous but that they can be managed until au carly crop can be matured. When they first appear, they immediately fly in search of their favorite
food. After a few days the sexes pair and in a day or two the egys are deposited after which the old bugs soon become torpid and die, having gone their round of
life, and filled out their little day four or five days these eggs in their turn are hatched, and after about ten days of voracious feeding, these things that are
hatched attain to the full size of the potato hug larva. They then seek the earth and dig aliout an inch under ground, where in a few days the larve changes to the bee-
tle, when they come forth the complete tle, when they come forth the complete
Colorado potato bug, to perpetuate their Colorado potato bug, to perpetuate their
species in like manner as the first. And thus they keep on multiplying, one gen eration after another, increasing to such astonishing numbers as to sweep every thing before them. On the approach of
cold in autumn it seems that those only burrow in the earth that have not yet paired together, while all the rest die off. Paris green will kill them, but they keep
coming in such numbers and multiplying so fast, that I think it extremely doubtful whether it will pay to cultivate the late varieties of potatoes at all.

Lime and Salt.
Prof. Johnson recommends for fertilizing
purposes, to mix 1 lushel sialt and 2 bushels ry line under cover, and allow the mixture to decompose gradually, thus forming an in-
timate chemical unison of the $t$ wo materials. Vor this purpose the mixture should be at
east 6 weeks before use, or, still better, 2 or months, the heap mentioned being turned ver occasionally. This salt and lime mixture,
hen applied at the rate of 20 or 30 bushels er acre, forms an excellent topdressing for hany crops. It acts powerfully on the vegetaturnip field have produced as large a crop as insects and grubs in soil-it attracts moisure from the air, and is useful against drougint. its tecomposine power is renarkabie, and curd swamp muck, the latter would soon be reduced to puwder Salt and plaster mixed are also said to be a
cery good top-dressing very good top-dressing
others they do se goone, while on
Plaster does well on some soils and is worthiess on others. The ame is also truz of both lime and salt, as it is
of most other commercial fertilizers. Let
these facts be carefully heeded by farmers and harc facts bers.

Piching Cucumbers.
The following receipts from an exchange are 1st. Take cucumbers, wipe them clean, and 1st. Take cueumbers, wipe them clean, and
lay then in stoue jarts
Allow one quart of
coarse salt to a pail of water,
boil the salt and water tiil the salt is dis sulved; turn it
oiling hot on the cucumbers cover them up lintt and let them stand for twenty-four hours; curn them into a basketto drain. Boil
an nuch vinegar as will cover the cucumbers as much vinegar as will cover the cuccumbers
wash out the jars and put the cucumbers into
them turn the vinegin them; tura the vinegar on boiling hot; cover
them with cabbage leaves and cover them them with cabbage leaves and cover them
tight. In forty-eight hours they will be fit or use. Pick cucumbers each morning, let
2nd. them stand in weak briue three or four days, putting in inustard pods and horse radiss
leaves to keep them qreen. Then take out
and and drain, covering with vinegar for a a week,
at which time take ont and drain arain, putting in vinegar, adding mustard seed, ginge each about pona or ttwo ounces, to suit different
tastes, for each barrel. The vinegar manst be changed once, as the
large anount of water in the cucunber reausolutely neecessary, and if they should seem ausolutely necessary, and if they shount add
to lose their sharp taste again, just add
little molasses or spirit, and all will be right.

FARMER'S ADVOCATE.

## Mrs. Kate Hunnibee's Diary.

In Hearth and Home, a handsome and well got-up agricultural paper, published sation published every month on farm, household and domestic topics. We quote the following as treating on one subject but have not space to give the whole article, which is wot th reading. The articles are headed Mrs. Kate Hunnibee's Diary. During Mrs. Ferguson's visit our conversa-
tion fell, "ne anternoon, upon marriage and di-
vorce therre so common, divorces are,
nowadays," said Aunt Betsy. "When I was nowadays, said Aunt Betsy. "then I was
a gal, one skerece ever heard tell of them; but
just look here, in Busydale, sence I can re-

 | wase-she |
| :---: |
| nefer ive |
| after the | after they were married he went off an" left

her, and then she got a divorce." "Why did
they her, and then she got at divorce." "inquired Mrs
they marry, in the first place ?"
Ferguson. "Oh !", said Aunt Betsy, "she was rich, and he liked her mones; an' he was gay
and han some. an' her folks thought he'd bettle
down after he was married to desie, but he wis down after he was married to Susie; but he was
jist as wild as ever before theyd been married
a year. Then she quarrelled with him 'bout one thing an' then another., She allers was
delicate, you knw, an' sort $o$, peevish, an' he
wouldn tstan' it, so they parted. It's lucky wouldn $t$ stan' 't, so they parted. It's huck
they never had no hildren." "Perraps it the
had had children they wuildn't have parted suggested Mrs. Lester. "Folks are a area,
deal wiser nowadays than they used to bee,
said Mrs. Knox. "We've railroads and tele graphs, and numberless improvements on the
ways of our fathers, and oo our people are tryins to improve orit their wa s in other respects; but
I think in marriage we can't take any other
ther right view than the scriptral yeiv, as a mert
mony is looked upon by the young as
mattier of banter, and something to be enterec matter of banter, and something to be enterec,
into carelessly, and by accident, as it were, ,
can we expect happy unions ?" $I$ I have givel, can we expect happy eanest thought," said Mrs.
this subject most ear
Ferguson, " for it is vital to society, and I am Ferguson, all or it shildren, boys and girls, th
training all my con
make good husbands and good wives. Iould
have my sons, as did King Arthur's knights,
lay their hands in mine, and swea
To load sweet hives in purest chastiv,
To one maien only, cleave to her To love one maieen only, cleave to her,
And worship her by years of noble deeds,
Until they won her; for indeed I know And worship her by years of noble dew
Untilt they won her; for inded I know
Of no more subtle master under heaven Than is the made mo pown the base in man,
Not only to kep down
But teach high thought and amiable word And courtliness, and the desire of fame,
And love of truth, and all that makes a man. For my daughters, I am more desirous that
they be women than that they be ladies.
Af
ter moral excellence, I look upon perfect phys ter moral excellence,
cal health as a prime requisite. With this,
sound education, and the knowledge that every sound education, and the knowledge thate ever
woman should possess how to make goo
bread ; how to keep a house in order make a dress, a coat, a shirt; how to summit
gracefully to what is best rather than to what
is pleasant-I trust they may find peace and iop in wedlock. We can do little to promote
ohe happiness of those unsuitably married; but
the we can, by timely counsels to the young, pre-
vent in il dvisel ynions, anl in incease the num
ber of such as promise felicity. Milton truly
 Mrs. Lester.- "I never knew a conple who
were suitably mated as to age, station in life,
edcacaion and tastes, and who cherfull ac-
cepted the obligations and responsibilities marcepted the obligations and responsibilities nar
riage imposes -1 never knew such a pair draw unevenly in th
lease from it."

## Lunches.

Farmers travelling to Exhibitions, with their families, are often troubled with headaches or sickness or have to pay dear ly for what they get..
Many persons find that the lunches they
catch at rairroad tations, or which thyy carry
with them in their bays or baskets, plye them with them in their baxs or baskets, glve them
headaches and serve as very por substitutes for warm dinners at home. larg ly of cake o
cause they are made up so larenty
pastry. The food it too concentreted has no produces constipation, which is a sure cause of
a dull head and gran ral bodily discomfort. The
veretables and sonps we eat with our dinners
 well as for their nutriment. With our lunches
we mise these, but fruit is still better for those
whose stomachs are healthy enough to eat it un
 There are people of every civilized country
under the sum who have mistaken ideas about
the businesess of printing and the manufacture of newspapers. They believe that a newspaper
can exist, thrive and flourish on itself, without an exist, thal aid, on the principle on which the
ane externay
ear manages to tide over uhe cold weather without requiring sustenance on board, Many
of the people of Canada labor under this strans dea, hence it comes that some of our brethre
of the Provincial press are driven half yearly to
lun and to climor for what is due to them, aum lun and to clamor for what is due to them, and
o lrowbeat readers who believe. that they can
cead their read their paper without money and without
price. Uur brother of the Alliston Star of the
年th
which is., makes an appeal ad meseri cordlame
wair sample of what printers are which is a fair sample of what printers are
drive too oy the wanton neqlect and carelesp-
ress of those whom they fainfully serve. He
sevs. . We want money and must have it. From
she date of our commencement to the present,
ve have not uryed upon our subscribers or adt hhe date of our commencement to the present,
we have not urged upon our subscribers or ald.
vertisers the neeessity of paying up. There is In end to all thecessity and we wind thing that the time
las arrived when we can no olonger refrain from
asking for that which should have been asking for that which, shoult have been paiti
1ong gince. Printers like ther poople, require
money. We have a large wetkly outlay in the
 there is something desperately wicked in the
system which compels a decent man to turn
gye system which compels a decent man to turn
bumb-bailif and throw eut such vivid hints and
insinuations as the above.
Every traight insinuations as the above. Every straight
forward man will admit, also, that the parties
who are the cause of such a transformation are
 ribht dishonesty, and should
swinders of the poor and neeardy. The printer
ought to be the last man in the wor d subjected ought to be the last man in the wor d subjecte
to gouging. His profts are small-he has ot oio
early and late, to slave often when men are at
rest to to teer his bark through a multitude o ea gou gnd late, to slave often when men are a
rest, to ster his bark through a multitude o
breakers, to clear the brunt of much abuse
which

 whe miss these,
whose stomachs are healthy enough to eat it un

## Seasonable Notes.

 We make a tew extracts from theHorticulturist, which is an excellent publication for gardeners, and well deserves a place on the table of every cultivator of
fruit and flowers. It is published $\mathbf{y} \mathbf{H}$ fruit and flowers. It is published $1 \mathrm{y} H$
T. Williams, 37 Park Row, New York: The Rural New Yorker advises the
more general culture of the Hawthorns as among the most elegant of the ornamenta class of trees.
half of the month of May, and with their pink, white and purple, tlowers, make a are very handsome hut last for but a few are very handsome, but last for but a few
days, while the double flowers remain for two or three weeks.
"Few trees of so hardy a character as
the Hawthorn make so brilliant a display when in bloom as the single varieties do when loaded with fruit in the autumn. The flowers of the double sorts resemble mall roses crowded into dense clusters,
two or three inches in diameter." Dr. Chas. Hay, of Warsaw, Ill., read
paper recently before the Horticultural Club of that place, saying: "That as an
investment for our immediate heirs, tree planting is better and safer than a life in surance poicy . The growthor woon on
ten acres of land, in the older States, it
has heen proved' by experiment, will, in price of the land. In twelve years White Maple grows one foot in diameter and
thirty feet high; Ash Leafed Maple, one thirty feet high; Ash Leafed Maple, one
foot in diameter and twenty feet high;
Plack or White Walnut Elm and Chestnut, the same; Hickory, eight inches in diameter and twenty-five feet high. The
different varieties of Evergreens make an average growth of twenty inches in height,
aunually." Mr. Scofield, of Elgin, Ill., says: "From his own experience, timber
three feet in diameter can be grown on our prairies within five years. He recom-
mends the Scotch and Weymouth Pines mends the Scotch and in preterence to the Tyrolese Larch.
A practical grape grower in his letter to
the Country Gientleman, says, that he obthe Country Gentleman, says, that he ob served scant, the fruit did not ripen well, while in another part where the foliage
was thick, the clusters of fruit were larger was thick, the clusters of fruit were larger
and ripened well. Whiere a Concord vine was close pruned, yet abundance of leaves was close pruned, yet abumance of leaves
retained, the fruit ripened at the proper
time but where the fruit was unusually time, but where the fruit was unusually
heavy and close, it did nut mature rapidly heavy and close, it did not mature rapidy
Hence he forms the general conclusion that an over heavy crop is tardy in ripen--
ing. The cure for this is thinning. It hastens maturity, increases the quality and size of the rruit, fruit for the yea
growth, and the set ofe
ollowing. The same rule will apply all standard fruits as well as the crape. Aushels of artiles last fall, which when cents per pound, making, $\$ 30 \%$.
The London on "pruning the grape, recent article on "pruming the grape,
states that vines in vineries, pruned in Sep,tember, while the leaves are on, will have the suycceeding crop ripen fifteen
twenty days earlier than other vines prunin November, all other circumstances
weing equal. "The experiment has been tried for years on vines that yielded a sup-
ply of fruit from June until January, and ply of fruit from June until January, and
whether in the early or in the late houses the rusult is the same.
The F'orist and Pomoloyist says, that
the following is strongly recconmended for mildew, scale, red spider, etc., upon and trees:- Flour of sulphur two ounces,
worked to a paste with a little water; sal soda, two ounces; cut tobacco, half an ounce; quicklime the size of a duck'segg,
water, ne gallon. Boil together and stir for fifteen minutes, and let cool and settle.
In use it is diluted according to the charIn use it is diluted according to the char-
acter of the plants, which are to be syringed with water after the application.
The oldest of all rose bushes is, said to
be one which is trained upon one side of The root is buried under the crypt, below the choir. The stem is a foot thick, and half dozen branches nearly cover the less flowers in summer. Its age is unlass flowers in summer. Its age is an
know, but documents exist which prove hat a Bishop Hezilo, nearly a thousan ears ago, protected it by a stone roof Which is still extant.
The largest rose bush
-so called alter Lady Banks-in the Marine Garden of London, which was ent there, the first of its kind, in 1812 , by
Bonpland.' Its numerous branches, some Bonpland. Its numerous branches, some
ofhich measure eighteen inches in cirumference, cover an immense wall to the width of nearly sixty feet, and at times,
nearly spring, as many as fifty thousand in early spring, as many as fifty thousand
flowers have been counted on this queen of all roses.
Tens of thousands of trees were lost last season, throughout the West, from inat-
tention to mulching. Evergreens need mulching no less than fruit or other deciduous trees-in fact more, for their fine fibrous roots will rumble near the surface,
however deep the tree may be set. Never however deep the tree may ergreen, but use
stir the soil about an Ent
mulch unsparingly, to the full extent of me roots.
The Florist and Pomologist says, "don t cut, asparagus when intende for home
use, but let it grow to the height of 6 or 8 inches, then break it off at the proper
length; it is as brittle as an icicle, and can length; it is as brittle as an icicle, and can ald be eaten, which is more than can be
said of the article usually sold in the mar-
kets." said of
kets."
The
The
The Pea Bug can be effiectually got rid
of, by taking the seed when ripe and dry put it in bottlea and cork it up perfectly air-tight. The larve, though not so minute as not to be seen by the naked eye, whil
die for want of air, just like any othe living thing.
gomato Omplettre.- Six eggs, a winegass onft to the taste, milk sunticient $t$
and salt
mix the flour smen mix the flour smoothly. Beat the eggs
very light, stir in the mixed milk and very light, stir in the mixed milk and
flour, pell and chop the tomatoes, and ad four, pell and chop the womatoes, and add
with the pepper and salt. Have a pan
with some hot butter, pour in the mixture with some hot butter, pour in the mixture
and fry it. When done it may be lappeal and fry it. When done, it may be lapper
half over or not, according to the fancy Do not turn it.
A., says that fifty years ago a very lousy ., says that fifty years ago a very lous,
cow of his ate ten or twelve onions and in fifteen hours afterwards the lice had dis appeared. He has tried the same remedy many times since, with the same result
ing $_{\text {Bege }}$ Tomato Pie. Take cold roast beef, cut in small thin sli.es; have the with a light biscuit crust; put a luyer of heef, then a layer of sliced twmatoes; salt, butter and yepper to taste, until the "lish is nearly full; put on the top erust, cutting a
gash from top to bottom of thedish that it may not burn. Bake two hours ia a slow A singular disease has broken out among
cows in Kansas'City, Missouri. A local paper states that there are not less than two hundred blind cows in that place.
tome of dairies have had in the last week fifteen blind milkers at one time. The eyes begin to swell a little, lasting As soon as the swelling commences the
eyes begin to run clear water, just as though some hard and foreign substance ceasen, a hard white film covers the eye balds, completely destroying the sight. This disease does not affect the general
health of the cow. Her appetite is as good health of the cow. Her appetite is as goo
as ever. There appears to be no change in as ever. There appears the no change in
the quality or quantity of the mik, no
pain, no uneasiness of any kind, no peccliar pain, no uneasiness of any kind, no peciliar
thirst indicating fever, and, indeed, no symptoms that would indicate discase. The eyes alone suffer and are destroyed The disease is repr
throughout Missouri.

## FARMER'S ADVOCATE.

## The Dairyman's Ten Command-

 ThThe folvow, bintr. T. Curtis, was read
 chaege. factoried Iritivo rofered ilide Moses
 hape to
moneres




 some food of any kind intateover, hut an







4. Thou shalt give thy cow ample shade in
summer, and a warm shecter in winter; and the
latter latter shall be kept clean and soweet, and b
withal well ventilated; and thy cow shall have withal well ventilated; and thy cow shall have
rooun for freedom of motion, a clean bed to li on, and an opportunity for such out-door exer
cise as she may desire, to the end that her blood cise ass she may desire, 10 the end that her
shall freely circulate, that her muscles shall no
not deteriorate and become weak or or stiffenend, and
that her digestion and appetite shall remain teat her
5. Tho
and
 a clean place at all timest thou hhat chd clean th th
 the factory, any milk drawn from a cow with a calf less than four doys chl, nor no milk dran dran
from a cow sufferin's from horn and hoof disease from a cow suffering from horn and hoof disease
or horn distemper, or fever, or garget, or any other disease, nor from any cow which thou
hast good reason to bolieve is sufferiny from illhast you
6. Thou shalt kecp everything about thy
stable and dairy hovese crupulously cleann; tho
shalt thorourgly cleanse and scald-not merely shalt thoroughly cleanse and scald- not merely ranse in hot water-all the pails, cans, strainers, pans and other utensils used in milking, carry
nng milk, setting milk, mor manuataturing it into
nyy of the products of the dairy; and thou shal any of the products of the dairy; and thou shal
carefully keep thy milk from exposure to a foul
tainted or tianted or diseased atmosphere; so shat tho
prevent the oily particles in thy malk from ab
torbing bad odord, and fever malaria, and the sorbing bad odors, and fever nalaria, and the
virus of contagious disease; and thou shalt ppare virns of contadious isense, and thou shalt ppar
thyself the sin and slame of delivering mill
that "t tasteth of the barn- vard," "and of intro that "tasteth of the barn-yard,", and of intro-
lucing disease into the families of those whic
eat of the products of the lairy T. Thou shalt cool aud air thy milk as soon
as drawn fromn the cow, hy using the best ap as dirawn frem the cow, hy using the best ap
liances at thly comman- not hy putting ool
water or ice in it for that vould be a violation
of both the law and the commandments- but hy water or ice in it, for that would be a viofation
of foth the law and the commandment- but hy
bringing thy milk tin contact with a cool surface above the freezing point, and exposing thy mil
in thin sheets to a clean atmosphere, that it may become charged with oxygen, which hath
 1rophets that airing milk is of more value than
cooling it, and experience showeth that stirring
with a dipper hath a preservative effect that should commend it o every patron of a a cheese
factory Then thalt confine thy milk in factory. Thou shalt confine thy milk in
covered can as short a time as possible, an protect it from the rays of the sun and the ho
ittmosphere. A woolen blanket thrown ove atmosphere. A woolen blanket thrown oves
the cau, anda canvas stretched over the milk wagon, would be found quite evffacacious- the
blanket not to be used unless the milk is cooled 8 . Thou shali not water thy milk by mixing
with it the contents of the spring, the well, the cistern, the brook, the watering.trough or nthe
source of water supply; nor by feeding thy co 'source of water supply, nor by feeding thy cow
villainous slops, whey, or extremely, succulent
food, whereby the contents of thy milk-caat food, whereby the contents of thy milk-can
shall be increased in quantity at the expense o qualite, with a view of cheating thine own own
and stand in constant danger of the penalty of and
the law.
9. Tha
9. Thou shalt not skim thy milk by taking
of the cream that riseth in the can over nisht, off the cream that riseth in the can over night
that thou mayst have a little creann for coffee
nor by settiny it in nor by setting it in pans or other utensils over
niight; nor by zavivg stripings , or byy any
other process-for if thine own sense of honesty doth not restrain thee, thou shouldst constantly
have the fear of the lavi and of the wathful
eyes of thy neighbors before thee. It is bette
to save out a small mess of milk for thine own
use. 10 . Thou shalt not commit adultery by
adulterating thy milk with burnt sugar, chalk,
soda, salt or any ingredient adulterating thy milk not commith burnt suugarery by balk,
soda, saltor any ingredient or compound what
soever; nor by giving vile stuffs to thy soever; nor by giving vile stuffs to thy cow; nor
by any means, trick, device or process known
or unknown to the naturally depraved. The
. The or unknown to the naturally depraved. The
laws of the Statet, the haalth of the community,
and the lives of the peorle, especially of the
 kingoom of he
donable sin.
Under the nder the ne:
nandment: 1. Thou shalt love thy neighbor as thyself purpose of tha Suing sweet butter fur the use the purpose of making sweet butter for the use of
thy family, and that the cheese-maker and and
those who labor with him in the factory max those who labor with him in the factory may
rest, and worship according to the cictates of
conscience no every Sunday. Thereby shalt conscience on every Sunday. Thereby shalt
thou meet the requirements of the Scripuras
and of the Constitution of the United States and prolong the lives and inmprove thed moratse of
a large and increasing class of useful citizens a larye and increasing class of useful citizens.
By faithfully observing these command
ments, the dairyman shall keep a clear con science, avoid annoying and expensive prosecu-
tions, retain the respect of his neighors, secure
an ocmpetency of this world's goods, live a peace.
full life and and his competency of this world's goods, live a peace
fullife and din his old age "apprach the bed
of death like one whowraps the drapery of his conch about him and lies down to pleasal
dreams."

The Dominion Stump Extractor. The above illustration was engraved rom a photograph taken on a farm two niles from this city. Numerous spectalors witnessed the extraction of this old tump, and most probably, would have ccupied the land for fifty years to come not removed. We have oak and walnut toms of decay and we cut the trees down twenty years ago. Land has increased value at such a rapid rate that many en erprising farmers find that it pays to ex ract the stumps; but we do not conside it pays in localities where land is cheap nd of poor quality. On land that will sell for $\$ 50$ per acre, as soon as the timber is taken off it, the stumps should be reroved, and it well pays the expense building lots or for railroads or county roads. The old screw machine was the mplement used for extracting stumps unminion Extractor, which is a combination
of lever and multiplied lever. The old
crew machine was too slow. The Do minion machine does two or three tim as much work in the same time, and only one span of horses is required to work it The machine is carried on a good Democra waggon, and it can be unloaded and set up in fifteen minutes. The horses are hitched to it and it is hauled over to any tump required to be pulled. A large chain is then hitched round one of the ain roots and a smalt one round the stump to which is attached a stretch lock. The rope is passed twe bres The hockss in the end of the large lever. The horses are attached to the rope and tump ' the lever is then pulled down rain by a rope fastened to amall which is attached to the large lever the chain is shortened, the horses take anothe pull and up comes the stump. A large there are notequire several hitches,

which regulate the distance to raise the stump each time. A small stump can be suspended in the air by one pull of the horses. Any man with common ingenrity can use the machine at once, and all that satisfied with its work and no are highly once seen it woring would ever purchas any other yet invented. There has been some difficulty in regard to the patent right, as the agent of it was remiss in hi business and machines could only be used
in certain localities. But now the enterprising firm of Plummer \& Pacey of thi ity are prepared to supply the machine and $t o$ send them to nearly all the counies in Canada, together with any informa tion required. There are three kind made : one at $\$ 50$, for stumps $1 \frac{1}{2}$ feet and less ; another at $\$ 70$, for stumps $2 \frac{1}{2}$ feet and a third at $\$ 120$ for any stump that an be found in Canada. The largest size rquire a double lever and are worked with two span of horses. We do not consider it greatly superior to the screw machine for stumps over $2 \frac{1}{2}$ feet in diameter
but for smaller sized stumps it will take out three to every one taken out by the screw machine in the same time. Tha smaller ones are worked by one horse

## Proper Position for Preserving or Packing Eggs for Hatching.

 The famous discussion as to which end of theegg was the right one to open at the brealfast table, was not by half so interestiny to connois seurs as the knowledge to poultry-breelders
would be which end of a hatching egg should be placed uppermost, when stored away for hatch-
ing purposes. Mr. Geyelin, in his well-known pamphlet, advocated the placing of all eggo in
tended for hatching with their large end down wards. But Mr. Geyelin was athead of his
time-few people paid much attention to his
recommendation and like many others of his suggestions which were opposed to all practica breeders still stored and and packed their eggs in the otd way, with the small end downward.
We have recently obtained more information We have recently obtained more information instrumentality of Mr. Geyelin's pamphet or
not we cannot say -but tit seems a lady at
Wickham Market (England), whose name has not reached us, nearly three years ago, wrote
letter to M. Wright, the well-known poultry
writer, on the subject, which he recently writer, on the subject, which he recently gave
to the public, after keeping it secret for two Years, for the purpose of experimenting on th
information conveyed by it. We don't know
thot bite that breeders will thank this gentleman for
withholding suchl valuable information so long;
it is, however, satisfactory to know, that thi it is, however, satisfactory to to know, that the
experiments made by Mr. Wright during that
entiod all wo to confirm this lady's recommenda
pet period all go to conirm this lady's recommenda
tion. She said: "Keeping eggs on the smal end appears to me to cause the air-bubbet to
spread, detatching it rom the shell or rather
from its membranous liming; and after being po sprea, its membranous lining, and after being so
fropt for a fortnight, the air-bubble will be
kep found to be much spread, and the egg to have
lost much of its vitality, though still very good
low

 thing as a stale egg has never been known in
my house ; and, an reearard success in hatching,
for several seasons, when I was able to attend
to to my putltry myselif of many broods set every
egeg produced a chicken." Such is the testi.
mony of this lady. Let us now hear the result of Mr. Wright's experience. He says: "Afte
considerable and patient testing of both method throughout two seasons, I can say, without
hevitation, that there really is a marked differhence between the vitality of eqgr kept mure
enhan a few days, according to the position in
that than a few days, acoording to the position in
which they are laced. It will he found, as this
intelligent lady states, that the air-bubble in Hhich they are placed. It will be found, as t thi
intelligent lady statces, that the air-buble in
and one case is much more spread than in the other,
This can be tested at once, but of course of it-
self proves nothing. The great point is - and it is in this way the matter is especially interest-
ing to all fanciers - that ergs are perfectly good
for hatching at a month old when stored with
 valuabeesirds may be kept tint fie hem distances
for them, or egss may be sent
wiich, under the oll plan, would give little hopes of success." This information is interest-
ing to breeders, and ought to be acted upon The inportance of preserving the vitality of
hatching eggs is to well known, by fanciers,
fad requires no comment from us.-- Canadia hatchrgeres no comment from us.
and requirs nothonicle.
Marbitive Gran.-We have occasionally
inquiries as to the ipopriety of disposing of grain as socu as reaty for innirket, or or or holding
for a rise later in the season. We c.an not with
orer
 men have widcly diffcrent ideas, yet there are
some circumstances in which the farner may
find himself in indouth as to which course should
 without loss. of time when other parties have
wit interest in his crop. If the merchat ain intercst in his crop. If the merchant has
been promised a arart of the proceeds, it it only
strict honesty to fulfil the promise at the earlistd day. Second. It is never wise for a far
met otobrrow money rather than sell his crop He will afterwards keenly regret this course.
The anxiety of the speculator will connume
him, and even should he succeed in caining an The anxiety of the speculator will consume
him, and even should he stcceed in gaining an
advance, the rost of interest will doubtless eat divance, the fost of interest will doubtless ead
it ul. If a farmer has money at hand and
rain in his barn, le is independent of contin. sencies and can do as he pleases, but for al
others, we think that the sooner they go to mar others, we think
ket, the better.
Althoush oak timber in England is not of the
value that it was prior to the invention of iron hip-buildins, it continues to fectho a consider
shle price. Lately a few of the magnificent oalk trees in Burghley Park, having shown symp
toms of decay, were cut down and sold at auc oms of decay, were cut down and seld at auc
tion. The size of the trees and the value of the
inber may be inferred from the prices realized


FARMER'S ADVOCATE.

APIARY.
handling bees, smoker, etc. To be a successful bee-keeper, the persons
keeping them should see their rees often, and
know at all times their actual condition. To do this satisfactorily we must have the mov-
able frame hive in sone form, and be able to "pen it and take out the frames at pleasure should not dare open a will sting it you ar
Yes, we know the bees will Yes, we know the bees will sting ir you are
not careful, and in taking out the frames you
hit them une against another, thus jarring not them ene against another, thus jarrin
hit smashing the bees and honey. But if yo
and site and swashing the bees and honey. But if youn
will be careiul, and use a little smoke when
needed, there will be no trouble. When you wileded, there will be no trouble. When you
neel
wish to open a hive, step to the back side o wish to open a hive, step to the bock hot to interfere with the bees flyin
it, so as
nt and in, remove your cap, and with you knife or something else, pry gently. If the the honey-board will come off without jarring
a particle. Have on hand some smoke, and a particle. Have on hand some smoke, and
as soon as you raise the honey-board blow in some, to keep themi quiet. Begin two
three frames from the one you wish to tal out, and with your knife or fingers move then After the first mou can take out any you wish by setting one down on the outside of the
hive. With the blacks and hybrids you will want smoke; but as far as my experience

goes, with the pure Italians you will need no | goes, with |
| :---: |
| smoke. |

1 will describe a smoker which works with
mee like a charm, and what suits me I think ne like a charm, and what suits me I think
will suit any one. Take a piece of sheet iron and make a tube eight inclies long and two
nches in diameter. This is easily done with mall rivets used by tinmen, and almost an person can make it. Now, make a plug for
each end, tapering each, down to a point.
Bore anarter-ici. hoie in the plugs, and cover the larese ends of the plugs wisth wire
cloth, which should be bent so as to raise them in the centre; this keeps trash from filling nailed fast, and the other is left moveable, that it may be taken out when the pipe o
tube thus prepared is to be filled with decayed wood, which is to be kindled at thie open end
when made by boring a two-inch hole in a a piece o
half-inch board, and shapig it to suit you Then slip the tube into it, and it nay be fastened by inserting a nail between the wood convenient to be held in the month when blowto suse the smoker, insert the plug made for the mouthpiece, and then you can smoke the
hees sufficiently in a short time. By adding nuel occasionally, you can keep it burning any not in use. Do not use tobacco for smoke, as it
turefies the bees and makes. them irritable for several days after
very peaceable whien compared with the black bees. I can open a hive of Italians at any smoke, and not have one offer to stine me unless by some mishap I jar the to so as to aronse
then, which takes considerable. Beside this, you can find the queen readily; 'the young
bees do not drop from the comb' as the black ones do and as far as my experience goes,
they will make one-third nore honey. I have one stock of Italians that gave me one goos
swarm and 125 pounds box lioney the firs season. The Italians, to be pure, should al
have three yellow bands, and sonie will ocrasionally show the fourth.
in Netional Bee Journal.

Chinese Mode of Taking Honcy
 Chinese for talcing honey from bee.hives. H
Bays: " The Chinese hive is a very rude aftair
and and looks very different from what we are ac
cutsomed to use in England. It consists of
roulghe rouph box, sometimes square and sometime
cylindrical, with a moveable top and botom
When the bees are put into a hive of this de ground, as with us, but is raised eight or th feet, and generally yixed under a projecting roc
of a house or out-building. My landlord, wh of a house or out-building. My Mandord, who
had a number or hives, having determined on
day to take
dome honey from two of them Powerrs in such priest, what wares, was sent for to perforn
the operation. This mans, in addition to his priestly duties, had charge of the buffalo
which were kept on the farm attached to th temple, Were kept on the farm attache around in high gloe, etion

## $\left\lvert\, \begin{aligned} & \text { dently considering the qualification of no or } \\ & \text { dinary kind for the operation he was about to } \\ & \text { perform. Curious to witness his }\end{aligned}\right.$

 perform. Curious to witness his method oproceeding with the business, $I$ Ieft some worl ith which $I$ was busy, and followed him and nent to the place where the hives were fixed.
The form of the hive in this instance was cylindrical; each was about three feet in lentith,
and rather wider at the botom than at the top.
When we reached the stoo where the hive When we reached the spot where the hive here for the purpose, and gently lifted down
oneof the hives and placed it on its side on the
table.
He then took the onovable top off and he honey-comb, with which the top was quite
full, wase exposed to our view. In the mean
time an old priest having brought alare basin,
mid everything beiny reary, our friend com nd everything being ready, our friend com.
menced to cut out the honey with a knife ap
arently made for the purpose, and having the mnde atat right angles with the blad Having taken avout one-tird of the sontent
of the hive, the top was put an agin, and th
hive elevated to its former position. The sam peration was repeated with the second hiv,
nd in a manner quite satisfactory. 'But,
nay be asit ' ${ }^{2}$. may be asked, where were the bees at tha
fime? 'and that is the most curious part of my
tory. They had hot been killed by the fum of brimstone, for it is contrary to the Budchis
creed to tale animal life nor had the stupefied with fungus, which is sonetimes done
at home ; but they were flying about over our at home, but they were flying about over ou
heads in great numbers, and yet, althourh we
vere not protected in the slightest, defree , were not protected in the slightest degree, no
one of us were stung ; and this was nore re markable as the bodies of the operators and
servants were completely naked from the mi
dle dee upwards. The charm was a simple one
it lay in a few dery stms and leaves of a specie
of Artemisian wormwood, which grows wild these hills, and which is largely used to driv
the pest, mosquito, out of the dwellings of th people, This plant is cut early in the summer
sun-dried, thent twisted into bands and it is
ready for use. At the commencement of the operation which I am deseribing one on the sub
stances was ignited, and hett buraing slowly
as the work went on. The poor bees did not tances was ignited, and Thept burning siown
as the work went on. The poor bees did not
sem to know what to make of it. They were
perfectly oood tempered and perfectly good-tempered, and kent hovering
aboot our headd, but apparentilincapable of
doing us the slightest injury. When the hives doing us the slightest injury. When the hives
were properly yixed the charm was put out,
and my host and his servants carried off the
honey in triumph."

Scraping Apple Tree We hardly take up a work on horticulture,
or even an agricultural paper, without seeing
an article advising scraping apple trees. My orchards are tron ten to sixteen years
planted, and until within three years I have always scraped the bark in the spring or mid
summer. Now for the results. 1 often found
small small patches of bark, about the size of a finger
nail, discolored, having the appearance of being sunburnt on applying a knife, cutting dry and
hard-dead to and appearances.
look like mhar- mark hickory, all the old bark hanging by a small part in the midate so loosely
that it can be taken off by the thumb and than can bers takent oif by the thumb lhan with a scraper. These little
fingers
pieces of bark, about the size of my hand, act an a perfect sunshade for the tender new bark un
derreath, which is smooth, thrifty, of a pal brown color, with no more indications of dis
eased portions in than is found in the bark of
a mailen tree of the same varicty
 a smail harrow made for the purpose with fiv
(of F ord t$)$ teeth of wras tre to horses, the driver riding on
drawn by
seat to shun the fate of Absalom among th


 painted sepulchre, a recelt tacle
lost trying to coox Nature to viol
immutal) le law of compensation.

## 

 elements in the soiil by manure, unless thatmanure is made nith that kind of material? Th Th
inquiry tas often been suggested to my mind while rambling through the woods where ne
cattle roam:
found why is it that those apple tree
foung the woods are such ocontant barar
 grew last year were on a tree under which a lot
of cider apples rotted the previous year. The
original Fall Harvey tree sprang up and grew
(in this town) within six feet of a cider mill
It yielded yearly great crops. After the mil
was removed from the building, the tree com masced to fail, and is now gone. Had the ele
ments ments of the acils anything to do for the
or were they accidental circumstances?
I have a lot of pomace from five or six thoca
sand bushels of apples, that 1 shall mulch part of my orchard with next June, anter mey
seocnd harrowing. As a manure for grass on
any hoed crops it is any hoed crops, it is worthless.
This matter may all be a crotchet, a whim my brain, but I am going to give it a goo
trial, and perhaps I may report the results to
you some future time. I know it is getting out of the old rut, but
the old ruts are so deep there is no prospect success in pulling in them. When the hub
rubs it is time to look hat your wuys.
fought the hattle, won the trees, and good ones fought the batte, won the trees, and good ones
too, now I want the fruits of the victory-J.S.
NERDHAM, in Tilton's Journal of Hort.

## Smut in Wheat.

Mr. Hope, of Fentonbarns, a distinguisiond
Sontch agriculturist, expresses pinion on pickling seed wheat as a prerenta
I have long been of opinion that ball-smusti is a fungus proparated by adhering to the
seed, and unless this fungus is destroyed be-
bore being sown, all the grains infected by it are sure to pow, all the yrains infected by it
preduce diseased ears. I must enark here that smut is of tuo kinds. In
one of them the smut or black powder flies wastes away before the ssund wheat becomes in a skin frequently strooge enough to remain unbroken when passing taynugh the threslin?
machine. The larger momber of balls, huw ever, do get broken, the powder discoloring
the sample, giving it a disacrecalle smell. and a peculiar oily feeling, which juldes know
at once. It is this vainiety which is lestroyed by pickling. The other appears to be propagated in some other way; at least as yet no
remedy has been found for checkiug it. Many years ago, I rubliced smut balls anoong cleain
wheat, then pickled part and sowed botlo.
Tha result The result was the pickled seed produced
healthy crop, while of the unpickled pertion
thery there wais tardy one sount ear. I have argain
and
with with unpickled seed tell to the spot where the
dressed and undressed seed met. Old whent dressed and undressed seed met.
shonld not be pickled, as itt vitality is soment
times totally destroyed by it, and the fungus times totally destroyed by it, and the fungus
istelf seems incapable of growth when upitself seems incapable of growth when up-
wards of twelve months ofd. 1 an far from
saying that ball invariably follows when undressed wheat is used for seed, as by a care
ful selecter years. But the little trouble and expense sived by not pickling seed is tritline, indeed, in comparison to the security given. I have
tried pickling barley for llacklieads, where the powder blows off before the grain is ripe, but, as in wheat, without stcecess. Still, , think in
is worthy of further trial, as it has appeared to nee, for the last troo, or three years, that
many of the blacklicads in hoth oats and bar many of the blackleads in hoth oass and bar
ley are rorere nearly allied than formerly to the
true lowl true ball in wheat. I should like to see ex
perinuents made by steeping grain different lengths of time in sea water, or in wate
salled to the strength of swimming an egg This is said to be a remedy againming middew and
rust in warm climates, and possibly it may rust in warm climates, and
prove equally efticacious here.

Which is the Best Rotation?
In some respects a rotation or system cropping which starts from sed with a summ
f.llow and culs with a crop of spring grain, supecin to nine that begins with a hoed crop
and finishes with wheat. If a sod is turned in the spring and a hoed crop put in, there in
no opportuity for nriching the soil iy turn
ing nuder a grass crop. Cultivation of the ing ninder a grass crop. Cultivation of th
hood crep mut als, be thepented on oslely f
suburuing the land for the spring grain whic succeds. There is sho ciance tor fall or sum-
sumer fallowing. Wheat suceeds the spring
meain co closely that there is barely time to
 clover or grass, which is nsually mown or pas.
tured, and thus some of its fertilizing powers
are lost to the field. This course, however, is are lost to the field. This ccurse, however, is
a good one for corn, if the sol is not too firm aud old, and middling gord for barley, oats or
spring wheat, but, whicut liberal manuring is a poor one for the last crop-winter whech
But it is a convenient rotation, and the one nsually followed-wh
Western New York,

But let us examine a somewhat differen ystem. Suppose a summer fallow begins the the soil instead of being mown or pastured There is a good clance for killing weeds and bringing the land to fine tilth, which are ob-
jects much to be desired, and to attain which some of our liest farmers persistently cling to
the summer fallow. The wheat crop, which is the summer fallow. The wheat crop, which is
probably the most important, has the advantage of occupying the soil, when under the
thast preparauon, and in the best condition for best preparauon, and the crep is harvested,
it to succeed. After the crop to weeds, and preparing the soil in the best pessible manner for a hoed crop. The two
fallowings, and the cultivation of the hoed crow, should free the soil of wreds, and ren-
der the success of the last crop in the rotation ler the success of the last crop in the rotation
-sping grain-certain. Manue should -spplied to one, at least, of the two last crops there is considerable manure used, and the me the
land is naturally fertile, the field may be
tavin taken np and summer fallowed for hand is naturally fertile, the field may be
again ttaken np and summer fallowed for
mineat, the year succeeding the spring grain, ir it nay be allowed to lie
dow as long as desirable.

## How to Make a Roller.










 set coarse turnel it smoth. For a frame, I lings, just long enough for the rollers to run
in, and tight inchesliroader than they were in diancter. Thie lungie is thisteen feet long
four inches square at the our inches square at the back end, halved on
to the middle of the frame und fastened with three-fuarter inch bolts, bracing it with iron ends of the rolier, bored through in the middle half inches at the outer edge of the rollere which leaves a space between them of two
and one-half inches, which is no objection. They need no boxes, only thick plates piiked
to the inside of the frame for the collar to run against with goon holes with one of the jour-
frame. I burn the nals, and provide an oil hole. It runs ligh and vell; ;and it cost me just eight dollars
and is better for all practical purposes, and anil is better for all practical purposes, an
will probally last longer than some that
have seen woik, that cost from $\$ 40$ to $\$ 60$.

## Barley.

Barley draws more mineral substance from crop, but uniike, wheat or oats, its roots spread throngh and gather their food from a running threugh the top soil, keep it loose and a barley field plows eacier after the crop crop than oats to precede wheat. A light.
fertile soil is required, and it slould be well pulverized to the depth of four or six incles. n inverted sod is not safe ; it should follow a
hoed crop or a fall fallow. Weeds injure the yied. Itrilling is preferable to broadcast sownig, but the seed stould not be covered deeper
than two
inchea-better shallower than dian eer. The roller should be used after sow-
nig, if the scil be suitably dry. It is the best fall spring crops to sow clover or grass sted
with. Ashes are found to be an excellent
$\qquad$
Ontario Ber Kerpern's Absochation-take place at the time and place of the Provincial show, and it is propesed to hold special
sessions in London this year during the time of the Western Fair. Subjects intended to be broum the the for disenssion wint please be for-
warded to the September next, after which further notice
will be given of the meeting. A. ATwood,
Sec. \& Treas., O. B. A., Vanneck P. O.

Barren Apple Trees-Remidy.-The St. Jo. (Mich.) Herald says :-First, the Northern Spy, Red Astracan, and a number of other choice varieties of apples, have failed through this region to bear apples, although ten or fifteen years old. Cwo years $\mathrm{go}, \mathrm{Dr}$ Hull, of Alton, delvered a lecture at Benton Harbor, in which he recomenender Mr. A. O. Winchester, of St. Joseph, of Archer \& $\mathrm{Co}_{0}$, Nurserymen, had ten Northern Archer apple trees, thirteen or more years old, Which had never biossomed or borive a crop.
Atter the lecture, though late in the season, After the lecture, though late in the season,
he directed his man to root-prune one tree,
and half root-prune another. Last year, no and half root-prune another. Last year, no
favurable resuits appeared, probably from the lateness of the root-pruning. This year, the of blossouns, while that side of the tree half-root-prumed alone is full of blossoms, the un-root-prumed side haviny none at as ual, con-
other Northern Spy apple tree, as usuan tains no blossoms.

Canada is blessed with one of the best wheat crops she ever had, but roots will be a light crop.

## Exhibitions for 1871

Dundas, Dundas, Aug. $30-$ Sept. 1.
Brockville and Elizabethtown ; Unionville, Brockville and
Sept. $19,20$.
Toronto, Toronto, Sept. 19 21, 21
Blandford, Plattsville, Sept. 22
Pespra; Midhurst, Sept. 2 \&2.
Provincial, Kingston, Sept. 24.29.
Western Union; London, Sept. 26 .
Western Union; London, Sept. $26-27$.
Wellington, N.; Harriston, Sept. 27 .
MeNab, Balmir's Island, S'pt. 27 . 27 .
Saltfleet and Binbroon; stoney Creek, Sept. 29 .
Sald

Renfrew (South); Renfrew, Oct. 3.
Liast Wawanosh; Wawnosh, Oct. 3.
Waterloo, Waterloo, Oct. 5, 6.
Barton and Glauford; Cllauford, Oct. 10. Esquesing; Georgetocn, Oct. 13 . Otonabee; Keene, Oct. 1 Northumberland (west) Cobourg, Oct. 17, 18.
Arts and Manufacturess Quebec, Siept. 12-1. Central Fair, Hamilton; Uct. 4
united states.
New England; Lowell, Sept. 5- 8.
A. Pomological; lichmond, Va., Sept. 6-8,
Cinacinnati Industrial; Cincinnati, Sept.6.-Oct. Ciucinnati Industrial; Cincinnati, Sept.6.-Oct.
Ohio (Northern); Cleveland, Sept. 123
17. Swine Exhibition; Chicago, Sept. 19-2 19.
Ohio (Central); Mechanic burg, , evpt. 19-21. Wisconsin; Milwaukee, Sept.
New York; Albany, Oct. 2.6.
New York; Albany, Oct. 2.6.
Michigan (Centra $)$; Lanining, Oct. 3-5.

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Lonion. Saturdav, Aug. 26. 1871. The market this day begań to louk like olden times. The space allotted for the exchange of ively bural prostucts was well filled up, and a was libera ly represented with Wheat, Barley, Peas and ${ }^{\circ}$ Oats-better than any previous day his week. White Fall Wheat : good receipts highest figures ranging from $\$ 1$ to $\$ 1.14 \frac{1}{2}$ - th general run, however, was \$1.0S, \$1.09, \$1.10 and \$1.11. Red winter wheat: finir supply Spring Wheat : only one load, among the firs of the new crop, brought \$1.10. Barley: a few loads; fetching from 40c to 54c. Peas: gene rous receipts ; commanding from 55 c to 63 c New Oats going at 33 c to 3 c c; Old at 40 c to 46 c . A fair supply of Butter, but the dry weather prices are firm; Keg brings from 14c to 15 $\frac{1}{2} \mathrm{c}$ n pails and crocks loc to 16; in rolls 1 sc to 20 c --the latter figure prevails. Some Factory Cheese sold at sc per poond by the lot. Pota-
toes plentiful, at 40 c to 50 c --the cuntinue toes plentinu, an
drought has given to them a slight upward te drought has gven $\begin{aligned} & \text { dency } \text { Vegtabes in good vai iety, and at } \\ & \text { reasonable rates; cumpetilion in these are }\end{aligned}$ hardly as keen as in former seasons, which may
by accounted for by hle dry weather, causing a
 in the conn, from 15 c to 18 c per pound. Has
from $\$ 10$ to $\$ 12$. For other articles see list.

## 

 Montreal Markets. Montreal, Aug. 26.

 and stron ranging upward, according 10 qual-
ity; No. 2 in fair demand, at $\$ 4.95$ to $\$ .00-$
 ported transactions in Canada varieties. Peas
dull and droopint. Provisions heay, and
only taken for consumptive use.
Butter dull only taken for consumptive use. Buttur du1l
and virtually nominal, in absence of supplies to
anit the demand. Cheese nominal; \&c to yc. suit the dem
Ashes stealy.

## New Mork Markets, Aug. 26.





 or new winter red and amber wh.
Rye quiet; receipts 9 , wou bushcls.

minect
Bariey dull and nominal.
Sist
(ants: market strady to-day; receiptt $100,0 \mathrm{co}$
bushels; sales 32, voo bushels, at 42 c a 0 ive fur




## $24 \frac{1}{2}$.

Albany Live stock Market.
Ailbiny, Aug. 26, 1871.
The market opened inactive, and the supply not s' good. Prices of choice are heavy. Butchering s'ock are held ful y up to last
weck's pices. For melium weikht a conces-
sion of $\because 5$ : has been made to effect sales. The
 better de mand; receipts
\$10, the latter for fiancy.

SHEEP AND LAMBS.


Touth's department.

## Answers.

to pictorial puzzle in aug. number. Correct answers by Bella and James Hooper. Honesty is the best policy.
Correct answers by Bella; to No. 2 by James Corre
uill. 2. Yesterday
arithmetical puzzle. - No answer.

## $\begin{array}{r}8 \\ 6 \\ 3 \\ 3 \\ \hline 17 \\ 24 \\ 59 \\ \hline 100\end{array}$

DIAMOND PUZZL My first as consonant or vowe Is used as needs may be;
My second, flashes of the mus Producing laughter, mirth and glee My third a flower of beauteous mein As any you may see;
My fourth, an expression of the face, Showing pleasure or disdain My fifth denotes not what we mean,
But something like the same . My sixth, a name most widely known Amongst those engaged in farming;
My seventh expres, es like unto, Whether 'tis pleasing or alarming ;
My eighth, a product from the main, My eighth, a product trom
My ninth, a word which is applied When feigned virtues do adorn ; My tenth a measure so much long, For measuring goods, not land ; My last, a letter which is
But not seen into From top to bottom a famous name F. B. K., Quebec

## RIDDLE.

I visit the rich, I visit the poor, I am not kept out by bolt or door,
I am in the mouth but never am eaten, And for aggravation I cannet be beaten J. M., London

CROSS-WORD ENIGMA. My first is in padock, but not in the key My seoond's in acorn, but not in the tree. My fourth is in school, but not with the boy My fifth is in biscuit, but is not in bread. My sixth is in stable, but not in the shed. My seventh's in panatry, but not in the arawer My cighth's in the cellar, but not in the floor. A far eastern city you'll find written thore.

HIDDEN NAMES 1. It is time for you to go to bed.
2. I had rather you would go with Georgiana than her sister.
3. Of all enterprises this is the worst. 4. I look upon him as a most infamous knave $\underset{\substack{\text { 5. . } \\ \text { horse. } \\ \text { 6. Tbe }}}{ }$

The capstan drew up the anchor. It is claimed that metallic iron affords the
readiest and simplest means of disiofecting readiest and simplest means of disiofecting
water aul of keepint it fresh. The water of the
Tre Thames, taken to sea in iron taiks, soon becomes perfectly sweet and remains so duriny
lones vovze. A smail piece of iron or a few
nails in the water in which cut flowers are put hi

h

## an ar



## Emporium Price List for Sept.

$\qquad$
Mediterranean, American Amber or Midge Proof, Diehl, Treadwell, Weeks', Boughton, Scott and Soules, the best we can procure, from $\$ 1.25$ to $\$ 2$ per bushel, depending on cost, pu-
rity, variety and quality required.
Orders rity, variety
must be in early.
Sco t Wheat, No. 1, ${ }^{\$ 1}{ }^{\$ 1} 7_{5}$ per bush.
Soott Wheat, No. $2, \$ 150$
D Deihl Wheat, si
Treadwell Wheat,
W Treadwell Wheat,
Weeks Wheat, $\$ 1$
50 150.
STOCK.

4 Durham Bulls, from 4 to 12 months old. Cotswold Rams, Lambs and Shearlings.
Leicester Rams, Lambs and Shearlings. Breeding Ewes, Leicesters or Cotswolds, f exportation. Prices to suit applicants, either for prize-takers or for stock purposes, varying from $\$ 6$ to $\$ 200$ per head. State your require. ments, and we will guarantee satisfaction our customers, or will not fill the order
IMPLEMENTS. Carter's Patent Ditching, Machine, improved, $\$ 130$.

Collard's Harrow, $\$ 18$.
Howard's Improved Harrow, $\$ 22$ to $\$ 24$. Lawn Mowing Machine, $\$ 25$ and upwards.Send for Circular.

## Seed Drills, $\$ 5$ to $\$ 70$.

## $\$ 35$ to $\$ 675$.

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ries, School Houses and Farms. From 16 to 36 inches diameter, $\$ 10$ to $\$ 130$, with yoke and crank, or yoke and wheel.
Stump Extractor, $\$ 30, \$ 75$ and $\$ 100$. Paragon Grain Crusher, $\$ 30, \$ 35$ and $\$ 40$.
Lamb's Knitting Machine, $\$ 50$ to $\$ 75$. Hinkley's Knitttng Machine, $\$ 30$ to $\$ 50$. Tumbling Churn, \$4, \$5 and $\$ 7$. The celebrated Blanshard Churn.
Dana's Patent Shecp Marks, with name and number, $\$ 3$ per 100 . Punches, $\$ 1.25$. Bound Registers, 50 cents. Sheet Registers, 8 cents.
Clark's Cultivator. It is of light draft, very Clark's Cultivator. It is of light draft, very pletely. Price $\$ 34$.
Plowman's Patent Hardened Metal Plows,-
plot $\$ 14$ to $\$ 16$.
Good Horse Powers, $\$ 50$. Do. with Wood
Sawing Machine, complete, $\$ 95$. Best made. Sawing Machine, complete, $\$ 95$. Best made.
Walmsley's Potato Digger, with mould board. Wormsley's Potato Digger, with mould board, Gardener's Root Cutter, $\$ 28$.
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$\$ 8.00$.
$\$ 8.00$. Simpson's Cattle Spice, 25 cents per 1 lb . Sells' Cider Mill, $\$ 30$.
Chern
Cors,
$\$ 5$
Corn Shellers, $\$ 5$ to $\$ 16$.

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385 panes.
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Harneys B B
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Yard, 8.50.
Yardules.
Yarming
Fat
Yard,
Farming for Boys, 81.50 .
Langstroth on the Honey Bee, $\$ 2$

He sing the pr
And "hai 'How sweet,' (He hed On wedded 10
And calm And cali,"
"Marriage,"
(He used ( He used Beauty he pre
And muic A youthfuln He wrote, Is to ass
And doing o (He ne
He wrote, And' su
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Day
D.m. Exp Gr $\underset{\substack{\text { Express } \\ \text { a.m.; A }}}{\substack{\text { Mail }}}$

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dist for sept. EAT. Weeks', Boughton vee can procure, from
vent ending on cost, pu-
required. Orders
rrow, $\$ 22$ to $\$ 24$.
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ire Proof Safes, from for Churches, Facto-
Farms. From 16 to - $\$ 130$, with yoke and
$\$ 75$ and $\$ 100$. $\mathrm{r}, \$ 30, \$ 35$ and $\$ 44$
line, $\$ 50$ to $\$ 75$. achine, $\$ 30$ to $\$ 50$. 85 and $\$ 7$.
ard Churn.
Marks, with name and
unches, $\$ 1.25$. Bound unches, \$1.25. Bound It is of light draft, very.
d does the work com. d does the work cor
\$50. Do. with $W_{00}$ $\$ 50$. Do. with Wood
ete, $\$ 95$. Best made. eger, with mould board.
and digging. $\$ 16, \$ 20$. er, \$28. st kinds, $\$ 28$ to $\$ 5{ }^{2}$.
ers, $\$ 30, \$ 35, \$ 40$. ers, $\$ 30$,
$r, \$ 135$.

$\mathrm{e}, 5 \mathrm{~s}$ cents per 1 l .

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ire wa. weld,
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 | s.j.50 |
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| thoy |

Noble Sentiments.
He sang the praise of "smiling morn, And "hailed the rising sun ; (He never rose till one). On wedded love, too, would he sing, On wedded calm domestic life ; "Marriage," wrote he, "is a holy thing" (He used to beat his wife). Beauty he praised all else above, And much preferred to gold youthful maiden's lasting love (His wife was rich and old).
e wrote, "The noblest use of wealth Is to assist the many, And doing others good by faith He wrote, "I hold that man a sot,
And sunk in moral torpor,
(His mother died a pauper).
Against the drunkard's wicked ways Until my latest breath,
A sad, reproving voice I'll raise")
(He drank himself to death).
At Lawrence, Kansas, on Suuday, while a minister was holding forth in the church, a
crowd got up a cock fight in the yard. The
. people wht to stop the fight, but waited until the battle was over before objecting. The
minister looked out of the window at the
wind minister looked "we are
crowd, and said, we
ners-which whipped ?"

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call on Judge Joness :-
and


Judge Jones) :-
and for those certiticatees.
them as straight
a string ; there are so nany imitations and ane son-
terfe tess sticking like bar-


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nia. The Middle Branch, entering Nebraska nia. The Middle Branch, entering Nelraska the
at Plattsmouth, passes through Linooln, the
State Capital, aud will this year be finished to

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Red Oak, , falls into a line ruuning down the Missouri through St. Joe to Kaningsas City and
all Kansas. Palssengers by tlis route to Kan-
 sas, see Inliniois, Southern 1owa, and Missouri,
and, by a slight divergence, can see Nebraiki also.
Lovers of fine views should remember the
Burington Route for its towus "high-gleamLovers of fine views should remember the
Burington Route for itt townu "high--gleam-
ing from afar"-its tree-fringed streams-its Bun from afan"-its tree-fringed streams-its
rongh bluffs and quarrie; - its corn-ocean: rongh bluffs and quarrie - its corn-ocean:
strethling over the prairies further than eyt can reach. Land-buyers will be sure to remember it, who have already bought farms from Geo. S. Who hatse the Land Conminisioner of the B. \&
M. . .h. R. at Burlington, Iowa, or among the M. R. R. at Burlington, Iowa, or among ethe
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 The latest thing out-Lovers, these mooCARTER'S Ditching Machine.


We chasers no nify intendina pur CARTER'S DITCHING MAGHINE
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E DIFFERENT KIND3 ery easy to manage, an order. Evrey Faxil thi inerefy Town io KLEY KNITTLNG MA WELD, Acent Losdon.

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Nos. 61, 63, 65, 67, 69,71 and 73 , James

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read the following description
In design, the machine resembles the Family
Singer; but the principle of the working parts Singer; but the principle of the working parts as nearly noisele
Sewing Machine.
The Uppre tension is on the face-plate. The
disco between which the threal passes are at-
tached by a stud to the tension ofrig, which
its upper end secured to the arm, and is regulat-
crew in the face-plat
The Shutrle Movement is obtained from
the shuttle-cam on the shaft, which is desig-
the shuttle-cam on the shaft, which is desig-
nated as a
and working between the
prongs of a fork which is pinned to the shaft of
the shuttle-arm. This shaft is also made of
steel, and securel. fastened to the shotle arm,
which in a basket at the end carries the shuttle which in a basket at the end carries the shuttle
along the faee of the shutle-race, describing a radial movement which is oconceded by all to be the best movement to prevent skipping stitches,
the centrifugal force always keeping the shuttle the centriugal force a ways
firm to the face of the race.
The Fred derives its motion from the "feed
cam" placed on the same shaft, the motion be-
cind cam placed on the same shat, che motion be
ing transmitted through the ecentric rod and
feed lever under the machine to the feed, which is made of steel, having a bearing its whole
length, thereby preventing any twisting move engh, therety end of the feed lever is attached
ment. To the erow, which serves to give any required lift
a
to the feed that may be necessary for light or a screw, which serves to give any required lift
to the feed that may be neeessary for light or
heavy poods. The feed spring is also attached heavy goods. The feed spring is also attached
to the bed ; it is flat, made of steel, and very
The durablimp of the machine cannot be
guestioned; the movements being all hardened,
hat questioned; the movements being al hardened,
are not likely to get out of revair. The whole
of the works are enclosed in the arm, which is finely secured to to the bed-plate, and set upon a walnut top or enclosed
It will be obsprved that there is no gear of
any kind, and that all the motions are derived any the thame shaft,--all the usual complica
from the
shutle and feed movements being avoided. "The Tresanie is adjustalle, working up trendle-bar, giving a light easy motion without any noise or looseness, and can be adjusted to
five any required "d dp" to either toe or heel of
the treadle, besides taking up the wear or loose
motion. Wheel Beabing. .The wheel runs upon The WheEL BeARING. The wheel ruls upon
a tapered stud or bearing fastened to the side
of the stand by a nut with the bearing end of the stand by a nut with the bearing en
turned to a centre; the wheel is bored tapering
ofit the stud; upon the front side of the whee asteel plate is fastened by two screvss, whic bear against the centre of the stud; the phate
is adjustable, and screws to draw the whee is aon the tapered stud, taking up the wear and
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WITH JOHNSON'S SELF RAKE IMPROVED FOR 1871. We believe this Machine, as we now build it, to be the most perfect Reaper and " .ower ever
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Among its many advantages we call attention to the following :-
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Ledger Platees. malleahle guards both on the Mower Bar furrished with our Reaper Table, wlth best cast steel 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 Table can be very easily raised or lowered by the Driver in his Seat without stopping his Team.
This is one of the most important improvements effected in any Machine during the past two

## 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 apparatus 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 ,
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There is no side Draught in either reaping or mowing, and the Machine is so perfectly balanced that there is no pressure on the horsess necks either when reaping or mowing. All our malleable

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