LONDON, ONT., APRIL, 1877.
NO. 4.

The Farmer's Advocate ! |throngh any fastidions scruples allow such to flag, but that the spirit of social progress may spread There are many features in the association that make it freer and more beneficial than any agricultural meetings we have yet attenled.
The farmers in this locality are quite as prosper ous as in any part of Cianadia, and mneh more so than in most parts. The farmers here have de voted more antention to good, heavy, useful horses, and a more valualle class of horses, taking them on an average, are to be form there than ins here ars anisin herles of Durham cattle that are of sreat lenenfit to this part of the comutry. The suil in this locality is unsurppssed in fertility, and improvements are being raphidly male; in fact, this comparatively new ccuntry is far surpasssing many of the oller settlel parts of 'anala. No one will have a correct knowledgo of the rielliness and fer-
tility cf Cund so well improssed upon them as tility of Canada so well impressed upon them as by secing this locality and the country alout it.
Messrst. MePhersom have a goond fonnulry at this Messrst, MePherson have a goon foundry at this
place. Thecir prineipal lusinuess is constructing Greshing machines of a larye size. Theppenent of their local trade, they shippen nine enreshich were accompanient ly stann esgines to Itrive them. The Past.
In the foregoing purtion we have touched brietly on the present. Mr. I. W. Bigging was the first nover in estallishing this old English cistom - a yrienltural dimner. Mr. H. Snell, the Huron left wing, we now intronluce the present Presilent of the Assoneciation
Mr. Haskctt Andrews came to (canala in the year 1500 , and settleck : few miles north of where Prescont now stants. He was neo of the ond (b) Loyalists. He hat a hitte moneys th hegin with hn so., slas Anurews was sorn. of our country on the 16 th day of June; a frost swept over the country such as has never been heard of since, The corn, wheat, potatos, \&c., were totally fry
stroyed; starvation swept off many of the firs settlers. Tlis may have been a blessing sent to our country, as none but the most hardy could exist. The weakly, sickly and shiftless class perishect from starvation.
Wherever yon meet one of the oll U. E. L.oyal ists now, they are senerally more hardy than many
of the newly impoutell stock. In the suring of the newly inpportell stock. In the spring 1817 Mr. .1. Anitews, s., sent ens son Pres now stands, to their store-keceper, who hall been furnishech with money top procure thour from Oglens-



And from that time for many weeks they had hothing but basswood twigs to eat. ${ }^{\text {. One farmer }}$ some miles away had a piece of rye; it ripened be fore any other grain. While it stood in the field, the settlers wanted to get some to boil. He would not let any one have a handful. Some of the settlers got together, with their reap-hooks, an threatened to wives and children, that were left dive
here were no white settlers known to exist for Mr. A.'s birth-place at that time. His father used to haul the fire-wool into the house in logging engths, and roll the logs up with hand-spikes, two doors being opposite each other for that purpose. The family did their own spinning, weaving, tye ing, \&c. His sisters wore inen dresses maic tirely hy themselves; the dresses looked to Mr. ndrlrews just as good and handsome as any of the ighteen, he never wore mything hut home.male Tothes: the first pair of made or fine hoot hhe wore was a pair he got to get married in. Sulsefluently Mr. Andrews movel to near Ottawa, and went into the lumbering business. He male a lot of money, then lost \$400,000, and concluded to try lis luck in the West. He went on an exploring expelition for five months, thought (linton to the lest place to settle, and purchased a good farm there. He considers he mate the best chrice, and woula not exchange for any hocanyy or ane nimi. Soss; how the errofits that can be realized from mall piece of sround in his marlen, he has two Sows of plum trees which have realized him an average of $\$ 150$ per annum, hesides supplying his house and his friends.
Mr. Andrews is now 72 years ond, stout, active Mir haply, without ache or pain. He appears now
l,etter bee at 30 - years of one-fourtho of of your fantastic picures compare their food with his; perhapw a ew weeks' feed on browse or basswood twigs would be a good dose for some of our grumbler ho make such a fearful howl because the whe

## The Future.

The time is coming when the prosent destruction of timber in this locality will cease ; flowers and he town $x$ ity of Clinton, with hit feeces to tect them; the rail fences, or fences of any kind will not be required to fence the farms, but only to ncllose stock where they are wanted. Avended
iruit and ornamental trees will Hank the public coals; trees will be planted to protect the crops and increase the yield of grain and grass; Hower: will he found on every table and in every fair lame's hand in Clinton and many "ther parts of
cunda. We have seen fruit anitlowers in towns, Canala. We have seen fruit ant thowers in towns, ities and villages within hand's reach of the passe
waving grain touch a vehicle on the public high-
waving grain touch a vehicle on the public high
way. Time will bring these improvements here way. Time will pring these to tree planting, read the article on the Larch in this number. Perhaps some of you may inerease the value of your land eight-fold, and the value of the crop a hundred-fold. Money judiciously expended in planting, draining and impror ing farms will be found more profitable than entrusting itin the hands of some banks, societie and bubbles th
staring void.

## Planting Fruit Trees

What is the best season for planting fruit trees? is still an undecided question. With some plant ers, trees planted in the fall have thriven well, withont one failure, while with others there hav done well. We are inclined to the opinion tha success generally awaits those who do their work well, and that the failures have been caused, not so much from planting at the wrong season, as from doing the work in a hurried, careless manner Each season of planting has its advantages and disadvantages. Trees, when properly planted in he fall, art prearing prop the earies ground, and their long roots established in the sil and extending all round the stem, imbibing the ecessary food. By this means they are not force to be wholly dormant at any time, and before the drought of summer they are prepared to resist it, especially if they get the aid of a seasonable mulching.
On the
On the contrary, if the planting be net properly with than transplanted trees have more to conten winter may loosen and disturb. The storins o planted, or planted and secured to stakes; so loosened they are apt to perish. Frost may penetrate the open earth and freeze thie rootlets to death, or the spring thaws may make the earth about them a mass of slush. Either ice or slush proves fatal.
To those who have not already planted frui trees, we would say: do not put it off till the fall or another season. A year's delay in planting, is a
year later in gathering fruit; and no owner of a year later in gathering fruit; and no owner of a
farm in Conala, no proprietor of one reod of lami, farm in Conada, no proprietorn of one reod of lant,
should be without his ,wn fruit. In selecting the site for an orchard, a void a low damp situation Spring frosts, so much to be guarded against especially in this climate, are always more cestre sheltered by shade trees, is as good a site for a fruit garlen as you can select. There the spring and June frosts will be less destructive and the snil will be less liable tö retain stagnant water than of air, only broken off low the trees sheltering the ground on the puints of the most injurious winds, an have a most salutary intluence on the frim premature blossoming in spring premature blossoming in spring.
In selecting the site for your fruit garden be age should be the tirst thing attended to. Tree will not long Hourish with their roots in cohd, stag nant water. By draining the soil the air will hav free access to the soil, its temperature will be
thereby raised, the feeding and growing propertic of the roots will be stimulated to greater activity of the roots will be stimulated to greater activity The drains in an orchard should not he less than If the depth be tess the roots will he scolter short time to choke them. Drainage is likely in is necessary in the prenaration of the not and for the orcharl. It should he thoronghly cultivated the year hefore planting-it should be plowed deep
and, if possible, subsoiled. It should also be well manured with a root crop, that it may be mellow fertile and free from weeds. Belgian carrots, or
better still, parsnips, are a good preparatory cro better still, parsnips, are a good preparatory crop, their long roots penetrating deep into the earth, separating its compact particles and quickening the inert elements of fertility. The value of these crops gives sufficient remuneration for the expenalways tend to the and their culture and growth merely the surface, but a depth of the soil-

## - protecting the frcit tref.

The protecting of the trees when planted, is a ssential to success as care in preparing the soil and creens or forest trees on those sides that are osed to the prevailing winds. A good screen vergreens will often prevent the entire or partia loss of the fruit of a whole season. The sharp, keen winds deprive the branches of the moisture eeded for health and growth faster than it can bs upplied by the ascending sap, and so they are Thed -rozen to death.
The soil in which they are planted should be ulched, not only in winter against the frost, but Julching it may retain the necessary moisture. moisture, but also seves to inapid evaporation of the soil, and keeps down the growth of weeds.

The New Forage Plant - Prickly Comfrey.
Never was the attention of Canadian farmer the present time. The increased demand in Enge land for meat and the products of the dairy, addel the success of the attempts, to transport (ima lian ijece es to Luropean markets, has heen pin. active of a change in the object and mode gricture with our best farmers. Beef, no Ineat, is now to he the great Canadian staple produce of food for our stock lest to increase th ff culture and introduction of the improvement The prickly comfrey is new forage plants. to the farmers of Great Britain. It wage plant duced into England in 1790, but it was not ued forage plant until 1830. It was then recour mended in the Farmers' Journal: Shortly after wards we made trial of it, but not having obtained he Caucasian species, it did not fully realize on xpectations. The solid-stemmed variety has but ately been introduced, and it is said to be muich nore valuable than the hollow-stemmed sorts pre ously ghe fin beiland ange. haves have a rich, ometimes three fect and grow to a great:size, five feet from the ground before Hower; that is, at the time when the leares should be cut. The yield is estimated at from 60 to tons of green fodder per annum. Yo animals tor to feeding on it at once, but the taste for it is son cquired, and, when once accustomed to it, they are very fond of it and thrive well on it. fom stem and roots, as the is by cuttings bot and does not germinate. This makes the exper planting more costly than if grown from seed Wit the permanent character of the crop, being well migh perennial, and its capability of enormou crease by division of the roots, ensures a rapia estalisy extension of the crop-when once we have rom the a plot. Propagation can take place sary is to plant potions foot; all that is neces and take care that the ground is kept moist.
withstands both heat and cold, growing in the hottest climates and in as high latitudes as St . Petersburg. We would recommend that some of the roots be procured and experiments carefully made. It is a stlbject that should engage the attention of the Agricultural Department. If it merits half what is said in its favor, the introduction of it into the country would be a means of adding no little to the agricultural resources of the A.

An analysis of the plant by Dr. Voelcker has demonstrated its great richness in flesh-forming substances and heat and fat-protucing matters.
Highly as this comfrey is plant, we recomey is spoken of as a forage only as an experiment, and that experiment to be made by the Department of Agriculture.

## The Potato Bug on Its March

The potato bug, now so well and unfavorally known in this Western Peninsula, has made but still pursues his way, and it is evident that the whole of North America will be subject to his rave. ages. It is reported that they have reached the Ottawa alley. Any attempt to arrest their progress wonld be futile, and farmers must be content to fight them in every part of the Dominion. Happily our familiarity with their habits enaldes. us to contend with them successfully, and though we cannot wholly prevent their ravages we can mitigate them in a great measure. Wery precauto kesp them away. Trading aken in Europe Europe and A merica have been carefully lest they might be concealed among the freight and some of them were actually discovered among the hales of goods. The people of Bramen were in a state of consternation when one of the voralivered on the wharf. In Enuland and Ireland where the potato crop is no mean item of agricul. tural produce, every possible precaution is taken to prevent the potato bug effecting an entrance.

Spring Crops Mats.
A great advantage of oats as one of our sping crops is its great hardiness and its aldaptability to every valiety of soil. It yiells well on light or
heavy soil, if in fair condition and wonerly cultivated. We have grown good erops of oats on stiff clay, on light gravel, and on drained peat soils. And the farmer can never dispense with the crop. Barley, corn and beans are, oach the turn, good for horses, but none of them can take the place of oats; none of them imparts the same high mettle and power of endurance.
Oats, though taking a place among exhausting clover and grass seeds, when sown with oats barley broadcast, to succeed very well and produce heary succeeding crops of grass for soiling or hay, as well as pasture. This cereal is generally sown broadcast on ground in good tilth, though for it, as well as wheat, drill culture is now preferred. We the surface ofter oat crops than from seed sown on preceding with a light furbs and than barley. In Pritain it ay sown earlier the grain crops, We hate sown ef to prevent too great luxuriance of the in January had a heary crop. In seeding about tron, and half bushels per acre are sown here hut Funlish farmers sow from three to four bushels. They think less than that is steriom, flo, wi, Back oats are best suited to moist soils. and to dry soils white oats are letter adapted.

The covering of any cereal with the harrow is mit that the harrow pulverizes the soil for a depth of two or three inches, thus benefiting it for the germination of the seed and the earliest stage of the growth of plants. They say, however, that owing to the shape of the teeth its action is very deficient, continually packing the soil, and therefore not benefiting the plant later in its growth when the roots require a considerable depth of soil. The cultivator is considered an improvement on the harrow, as the teeth from their peculiar form raise up instead of crushing and compacting the
earth.
Ond for that purpose there is no better crop. The yiel is abundant. Sown together they yield the heavier produce, each of them requiring somewhat differ ent plant food, and the pea drawing from the at mosphere a greater portion of its nutriment tha from the soil. This greater amount of ammoni and of moisture aids the growth of the oat plant, which, growing strong and upright, afford a sup drils anything they con lay hold of It is said that one acre sown with oats and peas, sown together, will produce nearly as heavy a crop as two acre sown separately, one with each. They are also much better food for stock than either would be fed by itself. When cut early a second cuttin may be had. It is good food for all farm stock, and for milch cows especially it is very valuable.

## Spring Crops-Peas.

This is usually the first sown of our spring crops, as it is less liable to be injurionsly affected by early sowing than any other cereal. And there is as a general rule implies early harvesting, and the plongh may be started at once in the pea-stubbles when the crop is removel - sometimes in time for a crop of late turnips, or, if not, to prepare the land by an autumn fallow for a succeeding crop. Let us not forget, however, in the haste of our spring sowing that all secds, even peas, are liable to per ish in the soil if they be sown before it has acquired some degree of warmth. Peas are often sown on land that has been quite exhausted by growing grain, and then has been merely scratched over Wren with this trea ${ }^{+}$ment they sometimes yicld good crops. Sut in the y poor crops, it would surely be hetter to ensure as far as in lis power, heavier yield of ensure, gnality. Pea soil should be mellow, and moder ately fertile. If it be not so naturally, it can be made so ly cultivation. Though generally sown roadcast in Canada, the drilling of peas would we have no doubt, be as profitable as the drilling of wheat. It has been found so in England. There the land for pea crop is proughed lightly in autumn, then in spring made loose and mellow by the cultirator, and the peas sown in drills from fifteen to eighteen inches apart, permitting the subsequent ase of a partial summer fanow, and weeds, the farmer's great foes, are conqueren. Besides, the crop ise influence of the atmosphere on the the and maturing crop. The difficulty of covering the seed properly is known to all who have sown pea broadcast. This difficulty is obviated by drill-sowing; by this the seed is all sown at an equal depth and covered everly. This in itself is no little ad vantage. As the frequent hoeing of the soil be tween the rows of peas is a means of attrac ing atmospheric nutriment more than the so would receive otherwise, drill culture must ahd to the improvement of the soil more still than woul Another advantage of drill-culture is the destruc.
ion of weeds. The weevil has of late years been injurious to the pea as to prevent many from
wing this very beneficial crop. To save peas rom the bugs it is well to feed them to the fattening hogs early in the autumn before they have begun their ravages.

## Seeding Clover.

There is no crop of which there are more freuent complaints of failure than the clover. When o sow it, and in what manner so as to obtain a good stand, is a subject of constant enquiry. Somefter a it hatch has not been obtained; at other times, ise, the young plants have been killed by the spring rosts. This is frequently the case when the old method has been followed of sowing clover seed on all wheat before the last snow melts. This method of seeding with clover may succeed ; it sometimes it, we may expect a good return, with an unpropitions season it is a dead failure. The English method of sowing with spring grain is attended with less risk of a failure. The spring frosts are less apt to injure the tender plants, the soil being in better condition to nourish them. 5 The plan we adopted was to sow the clover seed after the barley had been covered with the harrow ; then cover it lightly with a seed harrew having short fine pins, and then to roll the ground. We sowed a field of clover seed year after year without any failures The soil had always been prepared for the barley seeding-enriched and well cultivated, and conse Some farmers sow too little secd to the acre. The seem not to be fully aware of the real importane of thick sowing of clover seed. We would not think of sowing less than ten pounds of clover seed to the acre, with Timothy seed or other small seeds-say five pounds. With that seeding we would expect plants enough to keep down the weeds, to bear a large cutting for soiling or hay, and to enrich the ground highly with the abun dance of taproots. Remember-the farmer wh sows sparingly receives corrésponding returns.

## Onions-Their cuiture

The culture of onions differs materially from that of most other crops, and especially of such other plants a deeply cultivated soil is desirable and, for some, necessary, no such deep cultivation is needel for a grod onion crop, as it takes its Wurishment from the surface soil. This, however, its many roots branching out on every side and feeding on every particle of soil within their reach. Dig the ground as early in the spring as its state will permit. Manure it heavily with good, wellrotted manure; with spade and hoo make it guite mellow and fine; level it smooth; then draw shal low drills about 15 inches apart, leaving after every hirl${ }^{-}$or fourth drill an alley in which you can wat when hoeing and weeding. In these drills drop he seed carefully. Hoeing and weeding complete the inch.
Harvesting takes place in August, sometimes Houple of weeks later. As soon as the tops fall nd become brown, pull and put into windrows, ry enough to take into a barn floor or loft.
The following varieties, from which a good selec ion can be made, are all recommended:-Larg析 etherfield, a heavy cropper and good keeper as some others.
as some others.
producer and excellent keeper. Is in demand for the late season.
White Portug inening eartygal or Silver-Skinned, a large onion, earance early, of mild flavour and handsome ap tis not, howover, a good keopr. Besides the aboye, there are some new varieties highly spoken of-the Bedfordshire Champion, Nuneham Park, New Queen, Giant Rocca of Naples, and Large Red Italian. From 200 to 600 bushels per acre have been raised of onions. The English potato onion is an excellent variety; it matures early, yields a heavy produce, and is of a mild flavor. The cow the further apart than bulbs from seed would be, and clastered around the bulbs 'grow out a number of yeung onions. Hoe between the rows and keep free from weeds. Top Onion or Tree Onion. This variety shoots ap a stem, on it grows small seeds or buds. These small bulbs or seeds are saved tili the following pring, when they are planted as other onion seed but slightly deeper. They produce large onions. They are not so much esteemed as other onions, as hey are said not to keep so well, though we hav kept top onions, the white variety, good during the whole season.

Canada at the Exhibition in New South Wales.
In the Report of the Department of Agriculture there is reference to the expected representation o Canala at the Exhibition to be held in April in New south Wales. The goods sent were in all 890 cubic tons from the Dominion. These exhibits re not to be returned, but will be sold for wh they will bring

Hints to Dairymen, No. 14.
Written for the Farmers' Advocate, by J. Sealury. There are several pretty strong arguments in favor of butter-making on the factory principle which it would be no harm to discuss ; for every his careful consideration and study these things to give his opinion on the subject In the first place butter made in that way will be very much enhanced in value, and will command the attention of direct shippers, and will go directly into their hands (just as cheese now does), and the patrons would receive their returns direct and in ment how ask anyonc to consider for a morealized him the past season, or, in fact, winy her son, proviled it was made up in the same way that the butter is now male in private dairies, with every man his own cheese-maker. I venture to say that he would not get on an average more than five to six cents per pouncl.
In the secoml place the dairy-woman who sents her milk to a first-class butter factory would re-
ceive her returns (about once a month) directly in cash, much more than she could get from the grocer in trade. For instance, when ordinary butter is worth 15 to 16 cents in trale, that same butter, made up on the factory system, would be worth 19 to 20 c and perhaps 22 c , thus leaving 5 to 6 c in favor of the butter factory, which, after paying all expenses for manufacturing, drawing milk, \&c., would leave a good margin in favor of the factory system, to say nothing of the hard, taborious work which the farmer's wife and family would be relievel of, for setting, skinming, churning and marketiug are no light task, especially in
the summer scason. She would receive the cash at her dowr, and be relieven of all troulle and her door, and he relievel of all trouble and
anxiety, save the milking and cleaning of anxiety, save the
cans and pails. If the factory system has cans and pails.

soiling food. Timothy (Phleum pratense) is worthy
to be placed at the head of the grasses. It is
adopted to perhaps a wider range of sois than any alopted to perhaps a wider range of soils than any
other, and yields loountiful crops. The large or
pea-vine (Triforium pratense) does not materiall lea--ine (Trifolium pratense) does not materially
liffer from medium clover in nutritive qualities,
liut yields a larger crop and matures with timothy Mulier and Huniablan Grass.-Millet (Pani-
cum milleaceum), on a dry, rich, and light soil, will furnish an alumundant yield of green food of the best
quality. But it is not adapted to heavy soils, which do not easily pulverize. It can be sown
from the middle of May to the first of July, boalcast, one busshel to the acre. For soiling, should
lee cut in bloom. Hungarian millet or grass (Panicoun Germanicum) belongs, to the same fanily as
millet, and has been raised quite extensively in some sections for winter fodder. . But on the proper
soil, deep, rich, aud in fine tilt, it soil, deep, rich, and in fine tilth, it produces
most abundant green crop for soiling, and is a well balanced food. Its quality as a soiling crop, is quite
similar to millet, and both have a value, when similar to millet, and toth have a vale, when
grown in perfection, equal to that of any other soil-
ing crop. Excellent milk is produced from cither, when in in blossom
least in value. i regarl the different varictics corn as standing heghard the different varieties of not that its nutriment is hiyhest, but because it is
autapted to a wider rime off soils than any nth (rop), save, perhapls, wats. 1 regard sweet corn a the best variety for this purpese-tirst, the early
kinds of sweet corn, then the early evergreen to be kinds of sweet corn, then the early evergreen to be
followel by the late evergrech. Three recks of
goond seel, planted with a drill, 24 to 32 inches apart, and p cultivated two or three times, without hoeing, on gool land, will give a crop of great value.
Of the comnun kinds of corn, the small eight-rowed variety is an profitable as any in the Northern,
Eastern, and Middle states. This should be planted in the same manner as sweet corn. If corn is sown
thick (which I dc not regard as the lest plan) then you may properly commence feeding when in flower.
But if plantell so far apart that a large portion of milk. If one has a gool power cutter, it will pay
to cut the stalks, eirrs nut all togethor. In this co cint the staks, eare mitiol all there will be no complaint of the milk or
conlition
Hesh-production of folder corn

Produce the Best. Let every farmer who is laying his plans for the
coming season resolve to produce the best of the sort or kind he is growing or making, le it vege-
talles or fruits, grains wr grasses, hops or tolaceo,
lunter or cheose, lay or straw, or whatover clse it may chance to be, Whetiner cattle or sheep, pigs o the present weck, we finl, in reference to hops, porters refuse then. With regaril to this crop, w. have often secen it stated that the hops grown in
the United States are not well grown, nor well pickel, nor well cured, every one of which defects
is preventable. Will hon growers, in planning for the coming crop, see to it that so far as it is possi-
hle for then to do so, all the causes named above, tending to render the goods inferior in the market, Shall be prevented: Keep, in mind that it is the
1roduction of grood, well cured hops, that makes
this department of husbandry profitalle . Resolve to grow none but the best, and be sure that no cun-
dition uecessary to prodfce this result shall be neglected on your part.
The same is true of potaties, apples, cranberries,
 to ninety cents; Prusicics, at ninety-five cents to
 difference bety een the laberr and cost for prool acirg
a bushel of the lavis Seedling and a hushel of the ference in the price of $a$ bushel of these varieties is thirty five cents. New England apples are sell
ing as low as one tollar ank seventy tive cents ing as low as one tollar and seventy-lice cents hars and a half and upwards (wholesale pirices
Ordinary cranberries sold fors six lollars a barrel and tine Cape cranberries from nine to ten dollar (If butter, the prices ranged last week fron
fifteen to thirty cernts a 1 ,ound, tho latter tigure be
int fin a choin ing fur a choic, article, of which lescription ther
is hut little in the market, while of the inferio
kinds the market, as italmost always is, is greatly
overstocked. Of cheese, fine factory was quoted
from fourteen and a half to fifteen and a half cents a pound and upwards; common, or what is called fair, twelve and a half to thirteen cents a pound.
Such is the state of prices with regard to dairy such is the state of prices with regard to dairy
products. Who can tell how much more dairy men would annually realize if they produced none Look
the wool markets, etc., and the same tendency to overstock the market with inferior products pre-
vails. Would that we could persuade farmers to put forth renewed efforts, with the opening of the season for 1877, to produce none but the best of
everything that they grow or make to sell. Thus might they make farming a good paying business,
as it is when skiffully conducted.-Am. Cultivator:

What is the Most Profitable?--Enquiries are requch of farming. It depends on contingencies. In some places corn-growing and pork-raising, in others wool-growing, and in athers cairying are steadily
profitable one year with another. Where circumsroitane one ya rich corn land, healthful dry pas-
stances, such andant grass, with pure water, favo
tures, or abundal tures, or abundant grass, with pure water, favo
mue or the other of these specialties, it is best to rall into them, and keep to them. But for genral purposes, special crops or employments ar
rarely suitable, and mixel farming is the hest re-
iance. This implies the culture of roots, and grain, chiefly for feeding to the stoek, and only partly for sale. The aim nnust be to distribute the
produce so that a gool portion cone back as soil nanure, and the soil is kept improving constantly
in fertility and freedom from weeds. Then in mediate advantage can be taken of any exceptional meat and wool may, be made, and if grain happeces
to be high, it may be sold, and some other cheaps feer be bought to replace it. A sharp farmer, who
has some capital, and can turn about at short nutic has some capital, ant can turnabout at short notice
will never lec caught in a poor year without at
least arerage prontit from lis business.--Amul least aver
A griculthri:
selecting seed
Races of plants, however good, may, like cattle
be either stunted and starved by poor food and want of care, or have their properties of size, "yual
ity of flesh, and early maturity, still developed by generous feerling, continued throughont successive
generations. Thus the " nursed" roon not only shows the ideal townply a somewhat exace
but represents in siuple degree what las really been accomplished by the
most eminent seed-growers, and so accomplishei tuite as much by judicious nursing-or, in othe words, feeding-as by any other process. Now, it
cannot yet be said that the exhibition of such results is necdless. The time is not yet come when
sinch developed and well nuurished seed is com-
monly used throushout the kinglo moonly used throughout the kingdom, any more
than it is yet come for every farmer to use, as h should do, a pure-lred bull. Countless numbers
still seedsman, since many such select their seed with
as much care as the leviathan houses as much care as the leviathan houses, and are by
such means gradually making a reputation of their
own but of endors whr tat own the of vendors who take no efficient care
that the guality is any better than ordinary. The results are of a corresponding character; and such
men need to be shown that by such procedure the incur a startling loss.
With all that is said about "nursing," on the other hand, it is quite certain that while no nur we see at every show from such poor seed as yet
forns the supply of more than half England, so the
 more ferery day Nearly all the great improvement
ary farming. in agriculture have reen first worked out in smal and special plots; and only by degrees is it dis-
covered in what manner and degree similar means may be employed in the open field. The heavy
root-crops already raised by the employment of ex leusive manures, were in the tirst instance raise
by the special nursing of experimentalists, but was rapidly discoverel similar treatment even paid,
when applied with knowleclge and skill. It is more than durbtful if those limits of the forcing
process which yield profitable results shave yet heen
reachel ; and we need aot point out how much every consilicration of this kind is outhanced, when
the problem is bound up with the ather the problem is b,und up with the other one
raising aut developing new and fine varieties.

It has sometimes occurred to us that root compe-
tition on a new system would be beneficial. Suppose farmers were invited to compente for prize-
awarded to the heaviest crops off a given measured awarded to the heaviest crops off a given measured being required; such would not sapersede the old ful. The obvious difficulty as to ascertaining the exact facts might, we think, be got rid of by some system of certificates from either the clergyman of
the parish, who is usually willing to co-operate with his farming parishioners, or some of the the county officers. We have a strong conviction that
such defined contest would have a much better effect than the present vague competitions of
" prize farms.". but whet "prize farms;" but whether or not this be so, we believe root showing has much life in it yet, in
spite of the rascality of a few, and much work yet spite of the rascality of a few, and much work yet
to do, in spite of the good work it is admitted to
have already done.

## salt as a Manure

## A correspondent of the Country Gentleman, re- iding in Brant County, Ontario, writes as follows

 noerning the use of salt as a manure "Having seen a communication in your last fully endorse the gool results from its use, as expressed by your correspondent. In Brant county, Where I reside, its non-application will soon be the cruing to those who have used it, is such as to make is feel that our success in growing good crops, parculary its arley, dipen. Fxperimenterable extent tried, such as leaving strips in a field without any salt, resulting in such a contrast as to cause any the most noticealle difference within my know ledge is where a farmer sowed the salt with an at which, not working properly, some drills wer salted and others not, making the barley field at is the salted dresills were of a lurighter appearance ind ripened fully a weck earlier than the others We find we receive the most. benefit from an broadcast on the 240 pounds per acre. We sow cultivation, as the case may be working or befor we grain. There is no question with us whethe larley was this vicinity we grew a considerable quantity upto the standard, and which I may say rariably receivet the aid of salt; ; bringing th could hardly find a purchaser good, clean salt at $\$ 3$ per ton, costing at our rat of application about 48 cents per acre, surely alt yeap manurial agent. It is considered tha thought to be a permanent benefit, as in the de composition the ammonia is liberated freely, a
though it is retainod long enough to be of benctit io growing plants. At all events, our experience stiffer and lrighter ; heads larger and better filt weighs heavier, proving it to be by practice as wel

## Foreign Farm and Stock Notes

In the following correspondence of the Western W'e are always increasing our own knowlelge by anding to, it the experience of others.
Belgium, panssesses a soilley muld rye reeembling that of cultivated, the climate lecing dry. To keep up the
fertile much bone dust, goano, superphosphaters employ in a specially associated manner. When the rye
is in Hower, yellow lupine is sown. Wi the lup ine has well taken root, and reaping time , manly after the rye has hecen removel. When the , are plowed in, the connmercial manures distribuey and the soil thus perpared is resown with rye. In
dry climates and for light lands, this mode of In spain, an ox or a cow consumes annually 60
lumple of salt; a horse 30 , and a pig 16 . The swiss say, it is impussible to have gon meat orr
milk, without salt. The latter is cheaper in Swit. milk, without salt. The latter is cheaper in swit-
rerland than in France, and yet it is France sup-
plics the swiso markets with salt.

Conden, (O)CHard and forest.

## Planting Forest,Trees

The work of cutting down the old forests goes on uninterruptedly, and some farms in many parts most densely populated countries. There the necessity of converting all the land into tillage farms, cleared the land long since of their indigenous forests, but the work of planting trees in every available space has been going on mean time. Here we have been clearing without a thought of planting. Were every farmer, till young trees planted at the time would have grown sufficiently to form the needed shelter for his stock, he would find the profits of his farming greatly increased, and the value of his farm enhanced far above what it would if without timber. In some parts of the Northwestern States they have formed Forestry Associations for promoting tree planting, being fully convinced of its profits in dollars and cents. They say that it is well worth the cost in ready noney to strround the stock-yard and farm build ings with a windbreak that will, in five years, protect them effectually from the wins, and that a rop or tors one Timber sufficient for fuel for a family and for fenc ing can be had in tive years from ten acres properly plantel. The Association say that "the net profits of a cuarter section of prairie properly prepared and planted with forest trees, will within ten years exceed the net profits of tea sections of wheät;" and "a single cotton seed oan, by intelligent oulture, be developed into a cord of firewood within twenty years.
Any one who has experienced the difference of the temperature in our rigorous winter on unshel enjoying their sheltering influence, must admit the great effect treeplanting must eventually have in modifying the rigors of our Canadian winter This, by itself, without taking into consideration the pecuniary results, should induce us to plant trees for shade, if for nothing else. There is no tree will, in the same time, repay the planter freater profits than the European larch. From an American writer we reprint an article on this tree:-
"There is no tree capal)le of prolucing so large
an amount of such valuable timber in so short a time as the European larch (Lervi.c Europ ala D.C. .) native of high elevations in northerin and central Europe, and always growing on poor, gravelly,
and well drainod soil, it is not surprising that when planted under exactly opposite conditions, tree. The rocky, well-drainell hillsidesso common
in Massachusetts are admirally suitel to the cultivation of the larch; and there is lut littl
land witlin the limits of the state too poone or to exposed to produce
planted with this tree
The European larch hass always been a favorite for ornamental planting here, anil has shown itsel
well adaptel to our climate. In Europe larch is preferred to all other woods
for railroad slecpers aud it is prow only superion for this purpose to the wood of any North Anveri can tree. Larch fence posts are also in great de
mand at high prices, and instances are albundant mand at heagh pricess, and instances are abundan
of its yureat durability. when thus cmployed. practical forester, speaking of this tree, says, "Fo
out-door work it is considered the most durable out-door work it is considered the most durable
of all descriptions of wool. The lengthencd pe of all descriptions of woot. The lengthened pe
riod that sume larch posts have stood is quite sur
prisina, some of which are known to thie writer prising some of which are known to the writer
to have stoon nearly fifty years, than which ther
cau be no better
 ceder, while in th
greatly its superion

The Europear must not be confounded with
the American larch, which, although a valuable tree for many purposes, does not make durable
fence-posts.
Timber of Timber of the Eurepean larch is admirably
adapted for rafters, joists and the main timbers in large buildings. When sawn into boards, however, it has the serious drawback of excessiv
shrinkage, and a tendency to warp in seasoning had is therefore rarely used in this form. Its
and principal uses in this coutry would be for railroad sleepers, fence-posts, telegraph posts, hop and
bean poles, and other rustic work, and for piles bean poes, and other rustic work, and for pile
in bridges, wharese, and similar structures, where
the rising and falling of the tide require the rising and falling of the tide require the
employment of the most durable timber possible employment of the most durable timber possible
White oak is generally thus employed, but it i White oak is generally thus employed, but it is
probably less durable than larch and far too ex-
pensive pensive.

$$
\begin{aligned}
& \text { pensive. } \\
& \text { According to a writer in the Highland Society's } \\
& \text { Transactions, quoted by Loudon, the pasturage }
\end{aligned}
$$ Transactions, quoted by Loudon, the pasturage

under a plantation of larches thirty years old, and under a plantation of larches thirty years old, and
which had been thinned to tour hundred trees to
the acre, produced in Scotland an annual rental the acre, produced in Scotland an aunual rental of
eight or ten shillings the acre, while the same land, eight or ten shillings the acre, while the same land,
previous to the introduction of the larch, was let for one shilling the acre. Grigor calls attention to
the same good result of planting the larch. "A the same good result of planting the larch. "No
tree," he says, "is so valuable as the larch in it tree, he says, is so valuable as the larch in its
utilizing effects, arising from the richness of the
folian filizing elfects, arising from the richness of th
foliage which it sheds annually. In a healthy
wood the yearly deposit is very great; the len wood the yearly deposit is very great; the leave
remain, and are consumed on the they drop, and when the influeuce of the wir i admitted, , the space becomes clothed in a vivic
green, with many of the finest green, with many of the finest kinds of natura
grasses, the pasture of which is highly reputed in dairy management. And in cases where woodland has been brought under grain crops, the roots hav
been found less difficult to remove thin the other trees, and the soil has been rendered more fertile than that which follows any other descrip-
tion of timber. Already, in some of the Western tion of timber. Already, in some of the Western
States, great interest is taken in the cultivation the European larch, owing principally, I believe, to
the efforts of Mr. Robert Douglas, of Waukegan, Illinois, and large numbers are planted annuall
"Judging from the growth $m$
Mr. Fay's plantation, which are the only ones I know in this State offering any valuable statistics
in regard to the rapidity of the growth regard to the rapidity of the growth of this
tree, I think we can feel contident that on the ordinary soil suited to their culture, larch, planted when about one foot high and three years old,
will in twenty years average twenty-two feet in height, and seven inches in diameter, three feet from the ground; and that in thirty years these twelve inches in diameter; and if the plantations at the end of twenty years more, or fifty years from the time of planting, the trees will reach
from sixty to serenty feet in height, and at le twenty inches in diameter. This is also the ayer age growth of this tree in the Highlands of Scot-
land, under nearly similar conditions."

## Plum Growing.

Can flums be successfully grown in the older
portions of the country notwithstanding the strongly intrenched curculio? My suceess in this
direction has it extends over so few years that expectations; but give an emphatic attirmative to the forecoing query Upon my farm was standing a large plinm tree
which was annually clothed in a rolee of snowy whiteness, which soon gave place to numerous
small plums. At this stage I was always dom to disappointment, for the saucy little turk was ahways ready to nip my hopes-it not in the hud,
in the unripe fruit.
Nature scemed to strupgle against such olds in her vain efforts to struggle so I Tar the well that fruit growers would tell mc caught upon a sheet spread beneath the tre were one who has a large farric to attend to would, "Muite
likely neglect it just in the "" nick of time," and dhely negleet it jus
I therefore decilen to make a trial in another
direction. Aloout eight years ano of 2.5 , phun trees, cultivated them wet wh orchard
years, and then put a fence two hears, and then put a fence aloout them and a hen
house among then. About fifty hens were con
fined within the fined withint the enclosure, and from that timeno no
cultivation has been recuured, as the hens allow no
vegetation to grow among the trees. And now for he result: Two years ago, one thee gave a good crop of plums; last year two of them did the same;
and this season twelve to fifteen of the trees produed crops that entirely beggar description. Many people came to look at them as the fruit overed the trees, and 'twas the unanimous ex.
clamation: "Never saw such a sight before." Branches a foot in length were packed with plums, ike grapes in clusters. I greatly fear that my in-
discretion in allowing so large an amount to remain and mature has jeopardized my prospects for a and mature has jeopardized my prospects for a
crop the coming year, for I think the trees must
be much exhausted after such an effort at produc be much exhausted after such an effort at produc-
ion, the crop being not only numerically large fion, the crop being not only numerically large,
but the fruit was individually large, at least, so it ooked to me, as my eyes had never looked upon such a sight before. In size, all the way from that
of an ordinary Damson to a fair sized hen's egg. of an ordinary Damson to a fair sized hen's egg.
Color, from nearly white to green, red, pink, light and dark purple. Time of ripening, August 20th
to October 20th. o October 20th.
Should any one be at a loss to know what kinds
o plant, I will say that I sent to Ellwanger Barry, Rochester, N. Y., for fruit catalogue; from hat I selected those kinds, all things considered, that I thought best suited for my purpose, then
sent my order as above.
In production of eggs the hens pay a good profit;
in cultivation they save hand work; in destruction of curculio they have saved the plums, and thu be wise to attempt to utilize hen labor unless they were confined, as they are not particularly fond of arrculio, and probably would not destroy them i to be had. I have thrown the curculio to a lot of hens; the first picked it up and dropped it, the
second did likewise, but the third came along and second did likewise, but the third came along and But for this one obstacle no fruit is more easily grown than the plum, and if a little further trial shall confirm my opinion of the feasibility of plum
growing, I shall be richly repaid for the experi-
Any one who keeps a dozen hens can easily hav plums for family use, for hens will do quite as well seap, the trees well fertilized. $-G$. II. $H$. in Scien ific Farme

## The Garden Peal

The varieties of the garden pea are now so nu ing the last quarter of a century, that eevery one
should have at least three varieties planted fo table use, on the same thay of the montientint It is a
well established fact that well established fact that peas of no sort grow to
alyantage on too rich a soil, and wo have proved this to our cost in our own, warlen. The ground
should be trenched over in the fall and allowed to should be trenched over in the fall and allowed to remain in furrows all winter, by which means as
much frost as possible shonld be introduced into it, and at the earliest moment in spring as practicable it should be ding over carefully and raked level.
No ocasion for manure of any kind for the crop,
for if the ground le too or if the ground he too rich the plants will gro peas. All that is required is to keep down vermin weens, and proper hocing up.
Rnselceting the three varieties, we get the earlithem all on the same day, and we have them comngy in due succession and producing one of the most In the earliest surts we fimh nome superior to Nut-
ing's No . I, and consider it ting s No. I, and consider it the hest, as it is a
lwarf, and we strongly recomnend dwarfs as the Nest and cleanest for a cottage or private garden.
Iclean's Sittle (iem and Tom Thumb are also very superior and fine ebearing dwarfs, as we have
provel for many years. For sceond early we
Princess Royal, auld for the latest Yorkshire Hero or Dwarf Waterloo Marrow fat. We can recom-
mend theso dwarfs, as we have tricil them and mend theso dwarfs, as
Having selected secd : and prepared ground, we
mroced tosow. Make lroal drills four or five feet nart, and sow thickly and evenly ahonit three
nuches deep. We make our drills the full brealth if the hoe, or seven inches, and as lecel as possible
in the boutom, placing a tally at each ent in the bottom, placing a tally at cach chd. Not a
moment should le lost in planting neals; the carlier
the better, in Alarch if possille. the better, in Narch in possille.
frosty or bleak wather intertere. It mat let wet,
Duak no

[^0]difference to the pea. Don't let ignorant neigh.
lors trouble you with the idea that there nust be
"growth," int the ground, whatever " growth"
means in this case. Try my recommendation for "growth" in the ground, whatever
means in this case. Try my recommendation
once, and I guarantee you will do so always. Now, it may justly le asked-But why plant
dwarf peans thit sellonn exceed fifteen inches in the haulm, four or five feet apart? TVe answer, for
ceonomy, as in the intermediate spaces, exactly ceouomy, as in the intermediate spaces, exactly
half way betwecn the peas, we intend planting our
corn in pioper season. This will not interfere in corn in proper season, This will not interfere in
the least with its neighlor, as the peas will be all
all cleared off long before the tall corn stalk interferes
with them. We have had large dishes of Nutting's No. 1 as early as the 14 th of June, and then as plying all demands. All the hoeing the corn and peas get, the better for the soil, and in fact it may
be considerel as giving the land rest to raise these crops, as they are not exliausters and require little
manure. We remember not long ago making a bed some two feet broad, very rich with old hot-hed manure, and sowing a drill of sweet peas., mhere
was no nistake that they did cone up, magni-
ticently . We rodldell them four feet and usell ficently. We rodted them four feet and used
cuano water frequently They grew, and grew, guano water frequently They grew, and grew,
and grew, overtoppel the brush and fell back al-
most to the ground in grand luxuriance, but we scarcely got in bloom, and these were very large,
llablby and inferior in jerfume. On another oceaeyell Marrowfat and Tom Thumb, :und usel guand water, plaster of Paris aud soakage from a p pig pen
freely, and had the satisfaction of astonishing our neighbors at the " monstrous fine peas," in fact,
the tallest they ever saw, and " some new and grand variety," as we often heard. But we had a
mighty small' yuantity for table use, and I I don't ggain. Any lady or gentleman who wishes to have nothing but straw can casily try, for over-feeling
the roots of the pea prevents the crop and make the roots of the pea p,
"magnificent plants."
It has toeen sait that peas do not do well on the
same grounl for two years in suceession, and we generally plant them on some patch that has been
userl for potatoes or call)age the previous summer. We prefer dwarfs for the reason that they are far
less troullesome, reyuiriug no support, are almos or quite as productive, tuite equal in in are flamer, and
far more catsily managel. But by all means se
 is one humblred foth. cheaper for prodnction than
 sold in villages and country sh
money in it, remember that.
Among the taller growing sorts of early peas we
may mention the following, which having formerly grown, we know to he goon, but for the table thin
them inferior to the fist montionel dwarfs. them inferior to the Hist mentioned Warfs:-
Carter's First Crol, Daniel ORMorke, Kentish In-
victa and Caractacus. These are aloout three feet victa and Cractacus. These are aloout three feet very gonn, hut it it ioses not in our garden cone up
to the mark, as stated in the catalogues, as we got as many as 8 or 9 peas in a 1 pol, not 11 or 12 . Th also excellent, the furner light green and wrinkled,
the latter white anl wrinklel. The late varieties comprise Champion of England, Black eyed Mar-
rowfat, Bhuc Imperial and the Sugar Peas, which

 soils to the pea; plant as carly as possible, even
 a thin coat of earth, and sulserguently hne two "1

Hilitum 椇rownii.

## 

 heaty, or hase l, their curpasing delicacy of
onfor. The longithorum varicties are comparatively
new to America, renuinding u* of the dmarylis,
yet their contour is so peculiarly their own that
this stands forward as if the nationality of Japan
were in her lilies. The Brownii blooms that apwere in her lilies. The Brownii blooms that ap-
pear in our beds were introduced about twenty years ago. Lily bulbs are all intricated or in scales, whether more or less thickened, and that o
this speceies is of average size, from sin to eight ounces in weight, and of a dirty yellow color. It
is perfectly hardy, having withstond the winter of Canalia with me fer seven years and blooming well. In Ontario snow generally falls before the
ground is frozent nature, both fall crops and bulbs suffer little harm. and gradually rise to the height of three or four feet, producing on the summit from one to four charming blossoms. Dark green on the outside and
first, these change to a chocolate brown, and lengthen to about nine inches. It then expands in atrumpet shape, the edges of the petalsarerecurved,
displaying internally a pure pearly white, which deep chocoly inclines to creamy. The freely leaving a mark on the cheek of any fair ad mirer who approaches too closely to inhale it
fragrance. Its scent, which is powerful, but no fravay, reminds you of the orange blossom mixed with the hyacinth and vanilla, and add to this a
flavor of honey. When a bed is in bloons it perfavor of honey. When a bed is in bloons it pernever saw it except in our own garden. In Holland it can be obtained for about $\$ 2$ per bulb, and
we know of no florists who keep it on hand for We know of no florists who keep it on hand
sale. It is a slow producer, requiring four years mature, hance in bloom it is yearly a source of delight, and we look forward with more pleas-
ure to see this than any of our other 130 varieties of lily. The first season of blooming only one is
of this tha
found the next two and along with it likely found, the next two, and along with it likely a
second stalk without flower, the third three or second stalk without flower, the third three or
four are displayed. This bulb is very impationt of removal, and should be transplanted in October, but the less troubled the better for the bulbs.
We shall now consider the culture of lilies gen-
erally. The bed should be excavated thirty aches leep, and, if requisite, well drained, be-
cause water lying on the bulb rots it and the permanent roots. In the bottom eight or ten inches of old hotbed or cow dnng manure should be
trampled firmly and the bed filled in with the retrampled firmly and the bed filled in with the re-
moved surface earth, which must be well incorporated with old mannure and raked over. This should be left a fortnight to settle. Hot manure must be
avoided, as it would force the bulb and likely destroy the roots and the plant during the following winter. All stones, tree roots, and the like,
should be carefuly removed. It must be rememshould be carefully removed. It must be remem-
bered that lilies are a permanent plant, and like a rose bush are a fixture. Onee planted lilies should remain at least four years, and then only lifted to
be thinned, as they might be to thick or over be thinned, as they might be too thick or over-
crowded. Plant them tive or six inches deep and two feet apart. The ground must be thoroughly drained, and no water remain to rot the roots.
In the warm, dry days of May we seatter thiekly
old manure round the coming sprouts, and water
old manure round the coming sprouts, and water
freely with lime water to destroy vermin. The
next day we give a good soaking to the bed with weak guano water and use it once or twice a month The effect is wonderful, and we are amply repai
by the grateful bulbs giving us grand, beautiful by the grateful bulbs giving us grand, beautiful
and fragrant blossoms. Whe the frost kills the
tem, carefully serane away the earth around it the stem, carefully serape away the earth around it to
the crown of the bulb, and cut it closely, and you will find two or three bulblets adhering. Remove these and plant the same depth as the parent bulb,
and treat exactly alike; in three years you will and treat exactly alike;
have a bloom in general.
The Lilium Brownii blooms in July and remains
All lilies have twa series of roots, the perman-
All lilies have two series of ronts, the perman-
ont, lasting for the life of the boulb, and the annual.
 Troll the lase of the pull and the stem rising
spring, sends from the sides of it those roots that
fieel the flowers, and are close to the surface of the
suil: and amony them the boll,tets are protucel



he ground, and keep in the moisture and keep it col at the same time. Hyacinths and crocus can thick, and the tulip can be taken up for its summer leep and replanted in the month of October. We cow many beds in this way, and find the effec elegant and a saving of our scrimp space. Llies flourish in almost any soil. In clay soils
good supply of sharp sand and old cow manure absolutely requisite; but of course a deep loamy nd sandy soil is best. In a wild state they somedug up L. Canadense as much as eighteen inches rom the surface, and the Philadelphicum, which is very small and delicate bulb, we have seen from
seven to twelve deep. There are no plants in na. ture that better repay the anxiety of the amateur
than lilies, and we have in our garden one hundred han liliies, and we have in our garden one hundred and thirty species and varieties, and are yearly
adding fresh sorts, as they can be procured. There are now some elegant varieties from Japan, quite new, and as soon as they bloom we intend to send you photographs and descriptions, as they will be
interesting to a large and intelligent portion of your
readers.

## Grapes as a Wholesome Luxury

Those who have failed to give attention to the
subject, would be surprised at the great amount of subject, would be surprised at the great amount o small piece properly cultivated in grapes. Leaving
out the question of profit as a market crop, it will pay every farmer to devote more or less ground according to the size of his family, to grapes for home consumption. There can be but few who do ieve that it is conceded by every well-informed physican that they are quite wholeso
adapted to the wants of the system.
There is scarcely any other way in which you ground, as to plant it to the best varieties piece of ground give them clean, thorough culture. Srapposes, we appropriate one-eighth of an acre to a family ten feet apart; then it would require sixty-eight plants to fill the plot. If started right, kept clean
platy from the beginming, and systematically trained up
to trellises, it would require but little labor to cul. tivate it as it whould require but little labor to cul. tory enjoyment it would afford to a family, for several weeks, or for several months, if proper
varieties are selected, is beyond computation. If good, strong roots are planted, we do not have If good, strong roots are planted, we do not have
to wait long for fruit. Two-year-old plants, set in the spring, will generally make a mittle show of
fruit the second year, and bear a number of bunches e each plant the third year. In a few years, if well managed, the product may reach from three tive tons to an acre. The higher amount would
be at the rate of twelve hundred and fifty pounds to the size of plot we are contemplating, which would afforda a family twelve poundls, or, a hall bushel
basket full every day for sixty-two days. What lasket full every day for sixty-two days. What
luxuries for the palate the farmer might enjoy, by taking a little pains. We would sooner consent to banish meat than fruit from our tables.

Pear Blight
It is a goond time to study lind and dark sub.
iects with which we have to deal. So I pen a few
 Chat, althongh his statcment as to the direction
taken by the circulating sap, throush the tre rrrect, yet that it does not follow that it is not poliation of sal, that produces hlight, A. L. enting fire-blight, we regard in the main correct. is there any recorl of its taking place, however hrought? So, in, the words of Mr. Hatch, it ocrrexcessive growth." At such times there is a hats to be elaboraten in coming ine tree, which resh air through the leaves, and perhaps in a slight Wegree, through the lavires, and Whernaps is thas might
rapi, ly brought in contact with fresh or unused
for the purymsc) air? It is when air is in actives motion. When times of still air take place, at
times of rapiil growth, then the circulating salp Inay uot to fully y llaterated. Let much heat ac we have the very comlitions which it seems would
sp, il the salp and make it poison insteal of health


## Fir Thees and Rain-

 fiall.

Pinus Austriaca-The Austrian Pine. dealers who have hut little responsibility, whose This is one of the most ornamental of this class warranty is not worth the paper it is written upon,
of trees that will thrive in Canada. The long, who are continually roving through our country thick, dark forline makes this tree sought aml taking hundreds of thousiands of dollars a after hy atter by every one who phants and ornamental year have. There is always a lot of cheip surplus thennd. The contrast in the rich applearance of when growing near the other varieties stuck of some varieties to be worked off in every
the of pine, is so pleasing that every me who sees them nursery, and such stock is too often palmed off on is sure, to admire them. All varieties of pinc may be suceessfully planted get something you want than to be disappointed later than fruit or common trees. The present and vexel all the rest of your life ly having inillustration is from one of Messrs. Ellwanger \& ferior trees or unsaleable fruit.
Barry's specimen trees. They have a very tine We can speak from experience about this plant. sulply of specimen hew oul their arounds at Have more ornamental trees about your dwelling,
Rochester, N. \: they have the largest tock of more shade trees on your farm, and more fruit trees, if you can take care trees, if you can take care
of them and of the fruit of them and of the fruit.
spend one day, before the ground is dry enough to
hegin your spring work, in ,lanting maple and other trees on your farm. ' 'at off a groul part of the tops;
they will grow the better firr it.




 an thats thencillen, were
 aricty Mentore nur since



 primrose. The purple alled
the white are far carli, than the yellows strains, and
the frominer onl 1 ant

 Meses The purple western. how-
 fice firm the. ground than
on the Hat, tlus. Gi ing fresh limen that thic colldes
stratunu of air is fround on there surf iafe, or with in a few
inches if it.
 some, even, which we
exterminate from owr grounds as common weeds
-if we realized how high. -if we realized how high.
ly prized many of them

 ower cstimatel, als, mingy, as they dw, much nater.

 endeation of all farmers and otlyes interneted
 the tile with water-ime and simed will provent
cloging from the routs of trees.
tres we have secin. Whon you wish for treess that are in Enrope. The ly Piol Prizell many of them yot raised in Camata the suphy nemr conough treese its heaty is rarely appreciated. It is one of the the hest way th procure your sturk, that is, if youn of lavender and vinlet. Thging the leavengh all the se slades Waut trees that youn con depurnd on, is to send your vided, like the foot of. Thine leaves are ilecply di-





Root Pruning For promoting the fertility of fruit trees, roo
pruning is an onpration now sencrally resortecl pruning is an operation now gencrally resorted tain way to reduce a luxuriant tree to a fruitfin state. We wish to emphasize the word properly,
lecause it is fuite as possille lyy root pruning locause it is quite as pussible ly root pruning
to reduce a tree to a state of permanent sterility as
to make it fruitul. Fruituluess in trees of luxu-
 in fact, intalt other trees, repends upon that banace
of force betwen the roots and loraches which, while it insures sufficient force in the branch, at the same time promotes the complete maturation of the
wood, and thus the formation of thower buds. To hit the lapply y nerlium, to so balance the forces of
the tree thiat fertility slaill be attained without the tree thith fertility slyall le te attained without
mergin! either into luxuriance or weakness, constimerging either hesto of the carreful cultivator. If
tutes the success of the
time into an over-luxuriant habit. In such a (iregory's Cataloguc, of Marblehead, Massachusetts, case it is customary to check them by root prun- Mr. (sregory, we consider, has as good a reputation ing, simply by digging round one side of the tree
as any seelsman in the stites on vegetables and
this year, and cutting off some of the stronger and
putatoes ; he intronucel sinn good calbages and this year, and cutting off some of the stronger and
more perpendicular roots, whd treating the othor portion in the same manner the following year.
Early autumn, while there is yet some heat in the Larly autumn, while there is yet some heat in the
ground, is the best time for root pruning, as the
warmtl warmth enables the wounds to heal quickly, arid.
also to throw out fresh feellers so as to become reestablished before the active growth of syring
commences. Trees thus managed, with bi-allual commences. Trees the managed, with bi-aprual attention to root pruning, may be easily kept in a
constantly fruitful state, aud for small gardens cothing looks so neat as bush or pyramidal trees bo

Potatoes.
The question has been asked by more than one of
$\qquad$

 sal thall in the fact that the tirst yaur rirom the cen lall the yield was throe yeunls three



 sellect them in yiell, In lineaty of fornititis un.


the py side, were of markee
 Were marketaluce Haraly a roten poo Cory, whiles standarin varifities growing



 that tan be desisul. It rinks, tetween Che very carly anil very late varicies.
 exceptumanyy grat t pollut tiveness, 2 nal


 Hisw Mollow. hearterin even when wioflthin rapmptions and ankeanate are wo attractive it
marketmen.





 :und has a lut of cortitiatys show ing its sumeriority.

 plan in we fom in the it grownes, to shorten in th, hranch and grow again, we think hut littlo. If

I have rereivel from kind
frienls, on an ascrage, alout


 trevent simit wartulys statect tho

 ing season, and will almost invary
 sterility mar be the result for a year or two, which sterility will he more so far, the treatmont in mufruit ful
trees may be sail to lo le contined to those only recently planted. When
trees of

 Scese havegiven a carefuland con-"-x"rimental gromnd, , wanting them ind their wrowth and development,
with not hork, throughout the seasint. Anomp such a multitule of were ahment decentell artuny that many small peratoces, ofr potatoés a point, or wercy rin soun to the hather way loully hapel for market, taat tou many "r too deeply sumken eyes;
were of phere quality or too prone to
rot. Itimately I have found but









 $1 / 2$
prune


$\square$

navigation. At this village there are plenty of
stores and good hotels. A stage leaves Bracebridge hree time weekly, by which persons in search o ow open for location. The Crown Lands Agent for the District resides in Brackbridge. This gentleman will supply lists of the unlocated lots in each township. In conclusion, I hope that the few plain facts I
have laid before the readers of the Advocate may be of some service, and that particulars of the dis in leading some families to settle on a Free Grant lot in Muskoka. I may say that I shall at all times be pleased to answer any inquiries through
the ADvocate, or otherwise, providing a stamp is enclosed for reply.
James Asporin, Aspdin P. O., Muskoka, Ont.
March 12th, 1877,

## Poultry Raising

Dear Sir,-According to promise, I now give
ou a short account of my experience in poultry raising.
I have been for the last fifteen years trying to profitable for a farmer to raise. I have tried some our or five different breeds, viz: :-The Black panish, which 1 found excellent layers in summer, no winter eggs to be got from them, the very time we enjey such a luxury. The White Leghorn are有 iven to fighting that sometimes before well out of the shell they were at it.
I imported, some four or five years ago, from
Mr. Loyd's stock of Brahmas, "Coldstream Poul try Yards," Baltimore, U. S., one pair lig'
one pair dark Brahmas, and I Ind it the vestment I ever rade, as I never wai plenty of fresh eggs since I got them. plenty of resh eggs since 1 got them.
the Light to the Dark, and some of our breeders with whom have been conversing say editor of the Poultry" Chronicle says:-"It should be a large, weighty fowl, of a free, majestic bear-
ing, alike removed from the waddle of the Cochin China and the upright carriage of the Malay
short in the leg and neck, wide and full in the breast, and wide and deep in make; legs yellow
and well feathcred; tail short, but otherwise full in size and spread, that of the cock opening into a fan; coml, small, and it may be divided and sep
arated almost like three combs, or nearly unite into one, but its triple form is always evident. He sums up by saying, what are they then? The
are Brahma Pootras, large, heavy birds, symmet are Brahma Pootras, , arge, heavy birds, symmetri-
cal, prolifice, good layers in winter, and hardy, living where Cochins would starve. I showed a pair
of L. Brahma Cockerels, dressed ready for table, at our Guelph X mas poultry show, weighing 18 tts. A cross between the Brahma and B. Spanish makes an exish has not got. They are certainly the most profitable fowls for a farmer that I have yet met, and do nòt eat more than other fowls; and when
the grain comes off will wander in search of food the grain comes of
all over the farm.
In speaking to Mr. Thomas and Mr. Butterfield the Light Brahnas as being the best and hardiest fowl or a farmer's use.
by those who have triced them, and I believe ar good layers, but I iutend to stick principally to
Cight Brahmas, as being far ahead of anything I have yet tried. Canala here recently, and I amo only sorry to see stand in their own light, as nothing pays better than poultry when properly attended to. I sold
some 500 worth of poultry last year besides 100 dozen eggs, and hal all we wanted for our own use
in a family of twelve, and started in spring with sone thitty hens, Irincipally of the L. Brahma I might give you a description of our show here,
but as I have no doult you have got full accounts hut as have nul dould you have got full accounts
elsewhere I will hot troulle you; suffice to to say
there were over 1,000 entries-41, pairs of geese there were over 1,000 entries- 41 pairs of yeese
and turkeys exli,htich alone, some of the turkeys at hope you will try and encourage the farnerers,
take a greater interest in poultry, as well-bred
poultry, I am convinced. pays as well in proportion
as well-bred stock. It as well-bred stock. It think we ought to offer more
prizes at our Central and Provincial Shows for prizes at our Centra, and Provincial Shows for
"farmers' fowls only," as it is almost impossible or them to compete, with such breeders as Messrs.
Thomas, Butterfield, Allen, Sturdy, Bogue, and if they once took an interest in competing with each other you would soon see as good breeds shown by farmers as by professionals.
I would suggest that a class ought to be made
at our Provincial Show at least for a few of our leading poultry breeders "for farmers only." I hope some of our leading poultry men will take this matter up. I hope some others will give their experience in your valuable journal soon again.
Springfield Farm, 13 th March, 1877. J. A [We entirely agree with the suggestion of our
correspondent. There should be special prizes for farmers' poultry. And for the professionals proper poultry bred and actually $o$ owned by the exhibitors not bought for the occasion, or borrowed, as it is
said has been done at former Exhibitions.-ED.]

Sir,- The Advocate for March has just reached ne, and I am sorry to find you have lost a sub
scriber, merely because you stated the truth re specting the Red Chaff wheat. A farmer in this ownship told me he tried it, and although in dealers, I believe, generally ship it off to England, when it lowers the standard of wheat in the Eng hish market, and, consequently, den mixed with other wheat, except at a reduction of 20 cents
per bushel. I am sorry to find that so many of our per bushel. I am sory to find that so many of our
farmers after having robbed their farms of its fer tility by repeated cropping with wheat, and selling stead of using their profits, in in underdraining their arms, wherever necessary, purchasing artificia
manures, making home comfortable, and educating their children properly, prefer to deposit their
money in the banks, so that if a panic is imminent they will make a rush to draw it out, and so make bad matters worse. In a legal point of view a man
has a right to do what he will with his own; but no man has any moral right to use his property in hard times for this Province have only just begun, and must become worse yet before business can be again settled on a sure Prondcionil a heneve
the weakest bank in the Province fails, a panic is sure to set in, and those stingy, narrow-minded armers I have alluded to, will immediately mak the Daily Globe of the 24th ult., I noticed a deall the banks in the country, and on looking over
and it I found that the amount of specie and
Dominion notes put together held by some of them was not equal to the amount of notes in circula-
tion, and deposits, payable on demand, for which they are liable; consequently, when a panic does ments, although many of them appear to have
albundance of assets, and only abundance of assets, and only require time
utilize them; but this would involve a general panic similar to that in 1866, but even worse, as we have now more banks and many more stores than ex
isted then. Although all classes seem to isted such a rage for gambling and fast living, that the Province must be reduced to the verge of bank ruptcy before they can be induced to economize
I have noticed your remarks concerning the whea supply from India. A supply of cheap wheat an absolute necessity for England, and from no
other country can such a cheap supply le obtained other country can such a cheap, supply be obtained
Considering the disorganisedcondition of the laior ing classes in England, even amongst agriculturalla borers, dear bread will be the signal fora social revo lution and consequent aluarchy for a time, and con-
sequently the English Government will make every exertion to stave off such a calamity as long as pors sible, but a few years may elapse first, and til Kingdom for all the butcher meat, alive or dead, and hoises that we can export. As you have olserved other foreign countries, than we have hithert
done. In conclusion, I would only observe that those who may this season experiment on different
kinds of wheat should never sow two varieties in nhe field as they would be sure to hybridize, so
that the crop can not well be pare. SARAw ik. |Thanks for your communication.
pleased to hear you at any time, and
shall receive due attention. In the article on lime
in the last number there was an unintentional omission. To spread the lime evenly on th then spread evenly with a shovel. This wa necessary in order to spread the fifty buahels even y ove fuly
wrong done by farmers in hour remarks as to the wroing darms instead of investing them in needed
their improvements on their lands. Money expended
judiciously on the farm is placed in the safest well as the most profitable barik. The increased value of the land amounts to far more than bank interest, and it is there a deposit that cannot be
affected by any panic. Still we do not think that deposits in our banks are unsafe; if there be at any time a loss, it will be to the stockholders, not depositos,
Province quite so gloomy
Conceruing the condition

Concerning the condition of the laboring classa in England we have no fear for the future. En many storms. Powerful enemies without, false friends within the camp, have been powerles to shake her throne as Ruler of the Nations, and
we have no doubt that she will maintain her proud position.
The hybridizing of wheat is at any time attended
with such difficulty that there need be no dread of casual occurrence from two or more varietios being
sown in the same field. Even when seed is sown as it frecuently.is, the varieties grow quitedistinct and the distinction in the sheaf and lin is appar-

Apple-Tree Borers-
Gypsum.
Sir,- As a farmer I find every No. of the Ap-
Ocate instructive and interesting, although I do not spend much time on " Minnie May's Departnent," the boys and girls attend to that part of
he paper with much amusement and delight. So
So nuch of the contents being written by practical armers, makes it, in my opinion, of so much the [lled up, with long learned disfuisitions by proessors of agricultural chemistry, \&c., from the best dhools on the continent. I camot almire the letter of A. C. I do not see
how he will mend the matter by " stopping the raper," unless he can stop the whole future issues of the Advocste ; the farmers of Canada need dently of private interests, and while the ADvoate is conducted on such honorable principles it annot but succecl, for be it remembered the Dominiou. The
The Red Fern wheat has been tried by me, and
thers near, and appears to be the leading variety ince the Fife wheat has failed ; it makes good " Hints to Dairymen loy
"Mints to Dave ever read on the subject, and should be read by every cheesenaker in Ontario. As a farmer I feel much interested in the produc-
tion of butter and cheese as the only stronghold for many of the farimers in the old grain-worn
lanls; my farm is one of them, therefore, for the anls, my farm is onc of them, therefore, for the
last two years I have encouraged che to the best of my ability, as more remunerative
than raising grain, and cven now I am not satisfied with churest factorics alone, but am trying to got
hutter factories united with cheese factories, wher der arounl me sulficient water can be found to When at the (citennial in Oct. (where every in
teiligent farmer of Ont. should have gone), my Comrade and myself formed an acquaintance with a conticman from Little Valley, Cattarangus County, hiece making, and whoprop,sed to came to Ont. and conduct a factory on the system adopted there.
"He is here now, and has contracted to conduct a
"Creaner", "as he calls it, on the system for "reanery, as he calls it, on the system fo If success attend our efforts in that line,' severa ther creanerys will le p,ut in operation next year in
the Old Leeds Co., Ont. Your correspondent W. K., speaks highly of ypsum. I have prover it on light soils tor be a
cxcellent dressing for neadows, copecially if clove
has been sown and failecl, it will restore excelent dressing tor ineadows, cepecially if clover
has been sown and failcol, it will restore clover. I
have mixed it with unleiched ashes, ectual part

## © 0 orresponderace.

The Free Grant Lands of Muskoka.

## roads.

Large sums of money have been annually laid
ut by the Ontario Government in building colout by the Ontario Government in building col-
onization roads through this district, and now it is intersected in almost every direction by them. The principal one is that from Washago to Gra-
venhurst, which was the first made in Muskoka; it was then extended to Bracebridge. Then the
Bracebridge and Huntsville Road was built, from which diverges the Parry Sound, the Port Carling, the Brunel and the Stisted Road, each having branches of minor importance, all tending to open
up the surrounding lands, which have been surveyed for settlement.
During the summer months steamboats ply upon the Lakes Rossean, Muskoka, Joseph, Mary and
Vernon, which are a great accommodation to settlers located in the vicinity of these waters. The railway, too, has been extended to Gravenhurst, which is its present terminus at the foot of
navigation of Muskoka Lake; it is, however, exnavigation of Muskoka
pected that a fure; it made northward, passing through several townships, to tap the Pacific line now under construcwith this line completed, every portion of the district will be withi
ronto and Ottawa. ${ }_{\text {Developmext }}$
The progress of development and improvement
in the district has been very rapid indeed. In this immediate neighborhood, on my tirst settling here,
neither roads, churches, schools, pont oftices or neither roads, churches, schools, post oftices or
stores existed, but now we have all within casy distance; lines of telegraph have also been constructed. Persons who visited Muskoka five years ago would scarcely recognize it now, so great have
been the improvements in a short time. Ministers of almost every Irotestant denomination are sta-
tioned in the district, and a luman Catholic Pishop now resides in Bracclridyg. Two newspapers are
published, vi\%, the Free Grant Gezelte and the Liberal, the for ht Huntsville. Saw mills and grist mills are nut manufacturers of all kinds. The municipality o Bracelbridge has just voted a bomus of $\$ 2,000$ for lescriptions of manufactures. The unlimited water power throughout the district offers rare facilities
for manufacturing enterprise, not to be surpassed in the province. minket
The continual influx of new settlers creates
demand for procluce of all kinuls at paying prices Store-keepers, too, will take in trade or pay cas
for any for any yumtity of grain, \&c., or furs. The opera-
tions of lumbermen liave improved the market for hay, grann, and such supplics as are required by
these parties. Hay sells at alout $\$ 10$ a ton, and these parties. Hay sells at alnut $\$ 10$ a ton, and
oats for 50 cents per buslel at the present time oats for 50 cents per bushel at the present time,
and when the lunleringl husiness is an, way brisk
these prices are doulleal. Fivery settler coming in goes farther beck to the unsettleel lands. He, in enough for his own consumption, he purchases from olter settlers, who therely secure aread
market for what they have to dispose of. The home the means of communication (now pretty good) i always improving, there is no danger of the local
market becoming glutter lefore a railway ys opene through the district, a misforttune which has bee feltl by settlecrs in sinue of the more remote town
ships in Western Ontario.

By this Act hears of families otain a grant 200 acres of land: single adults, of either sex,
those who are is years of age wct 109 acres. if more is reyuired they are at lilierty to purchas 100 acres at 50 cents an acre cash. The conditions
of settlement are, that there shall lee cleared in five years, at least least 15 acres, which must
fenced and under crol ; a hal itable house must l, built, the dimensions of which must met the less
than $16 \times 20$ feet. These contitions heing conn ho issued. The Homesteal Lan , mon iles that if
locatee or his heir rmain on the lam it canut locatec or his Their remain on the land it cannot
seized for delot for twenty yeurs. The Frec (iran

Act has, undoubtedly, proved a great stimulus to
the settlements to which it extends, and has Ate settlements to which it extends, and has
proved a great boon to many families, who, under proved aveat boor been enabled to secure good
its provision, have be
farm lands, which they could not otherwise have farm lands, which they could not otherwise hav
hoped to possess. Of the several Free Crant Dis hoped to possess. Of the several ree (irant the
tricts of Ontario, Muskoka has far surpassed the others in progress of settlement. During the year
1876 , in this township (Stisted), 68 persons located,
, the number of acres located for being 7,566 . Durthose locations upon which the regulation duties had been performed.
the settlers
The present inhabitants are perhaps as good a
class of pioneers as ever invaded a new district. Cass of pioneers as cerer invarted a new district. of great variety. We find here some rich, and
some poor ; many intelligent and well educated, some poor ; many intelligent and well edncated
as well as unlearned; but all are thowing their
energies into the same channel and vi energies into the same channel and
with each other in hewing out for themselves independent homes in the new set
tlements. Doing this now in 1877 is easy compared with what it was a few years ago, whe
there were no colonization roads running through there were no colonization roads running throw There is little trouble experienced by new comers days gone by had no such advantages, but rathe many trying privations and drawbacks to contend comparative ease and comfort, and enjoying the results of their many years of toil, and they de-
ligh to recall the thrilling incidents connected with ligh to recall the thr early history of settlement.
the
Those who are likely to succeed in Muskoka are
men who have been accustomed to work. men who have been accustomed to work. A
strong, hardy man, who has courage and persevertle means to commence with, cannot fail to get along. There are, however, other classes who also
do well here: I refer to those who have lived do well here; I refer to those who have lived on
rented farms, and who possess sufficient means to rented farms, and who possess sufficient means
enable them to employ labor and to support their families until they can raise crops from the land they take up; others, too, who, though they may
not have been accustomed to farmer's life, are desirous to adopt agriculture as their profession, and who have means to support then until they become acquainted with the work, and get some land
cleared. Many men even with families have come heared. Many men even with families have come
here without money, and have succeeded, but these experience many hardships and privations; there ore the experiment is not one that I would recom-
mend, as the man who takes up bush land wihtout the necessary means to give him a start, has a poor
chance. At least two hundred dollars would be requisite for a married man to have at command to
expect to succeed on a bush lot. It is a common practice for those of limited means to hire out, and get employment from home, either upon the roads
or with the lumbermen, but this way of working can ouly succeed for a short time at first, as their absence from home only leads to their farms being heglected. Some have adopted a plan which has
been found to succeed well in cases where persons of limited means wish to make farms for themselves here; the mode of operation is this:--The person locating being in steady work in some city,
or older settled district, visits the Free (irant Lands, and after making a selection of land for ocation, engages with some reliable and trust-
worthy settler in the necighborhool to clear a few ares for him as his means will allow, while
he himself steadily works away at his accustomed employment
vages), until he vages), until he can see his way clear to
finally settle unpon his land. I would not recom homid any one to follow this plan who did not wish
 the lush to make a farm shonld conviller woll be Wre they make an mes that way; if they can don as
well elsewhere they should not conne here, l, hat thise whor canl lenefit thenselvest ly leavinge, shanh
lose no time in loing so. Some have conne whin nerer should have come, wat there are also many
who ane not here who hould the here. Threre ary

living in cities, paying high rents, paying high
prices for provisions and fire-wood, and losing their prices for provisions and fire-wood, and losing their
health into the bargain, whereas, if they were here, they would get land of their own for nothing,
h house of their own for raising, fire-wood for chophouse of their own for raising, fire-wood for chop-
ing, and very soon they would be able to raise ing, and very son they would be able to raise
heir own provisions. Many spend their winters oating round, not being able to obtain a day's cruired during the summer, besides often running anturect during the summer, before the spring, opens. To the attenion of this class in particular I would recommend he advantages which the Free Grant Lands pre-
ent. Many, doubtless, there are who would wilingly come here if they knew more about the
country, and were to seek the information they require. how to see the lands.
The best time to look for land is in the spring fter they have fallen; at these times the anties are nt troublesome, nor does the snow preventa a thor not too closely examine the land before locating here being an atundance to select from, they ots, so that if they do not get them, the fault is their own. It is to le regretted that through careometimes settlers hecome dissintisin this matter, ing a while on their land, a state of aftairs which they might avoid ly
cretion in their choice.
adiantages of meskoka.

The ad vantages which Muskoka presents are bot varied and sulstantial. Being within easy access from the Atlautic tor the Pacitic, and forming the inter ening space between the northern extension
line aund the C'anala Pacific Railway, it must, sected by a line which will is the projected Mnskola Junction and ('anada l'aStic Railway, which is to comnect the two lines. position ceplually as favorable as any district through
which the (irand Trunk or any of sur principal hnes of mailway pass, for lecing linked ly railway that husy centre of commerce.
The advantases, too, which the ample waterpower of the district presents is unsurpassed and
is practically unlinited, and enough some day to cause this to be an important manufacturing country. Mincrals have been found here in sufficient quantities to pay for working as soon as more effi-
cient means of communication are completed, in order that they may be transported to a distance. Besides the pine, the hardwood timber in several
localities will become an article of localities will become an article of commerce with
increased facilitics for exporting it. Much of the fine birch found throughout the district will be very valuable. Memiock bark, too, will be in demand for tanning purposes. As a stock-raising pass every other portion of the l'rovince. It will doubtless become the nursery for sheep and cattle, the older settled portions of the Province will draw their supply. The land is high and rolling, is well be famons. In no portion of Canala will be fays for the family of the emigrant so many allvantages they have as but sulficicicnt preans to to gain in footing in
This, when riving in the country, can soon be acyuired by industry and thritt, while working for wages for a not advise newly arrived emigrants, excepting have been in Camada ia year or two, and until they working, and the ways of the country, which are in most instances so totally differend to what they
 iny more regular, and although the winters are colder, we have warm, bright, sunny days, the sky
becing bright and clear. ROMTE.
Mukk ka is reached from Turente ly tha North-筬w a thriving village in the Frec Cirant Instrict.

| navigation. At this. village there are plenty of |
| :--- |
| stores and good hotels. A stage leaves Bracebridge | stores and good hotels. A stage leaves Bracebridg

three time weekly, by which persons in search o land can reach any of the Free Grant townships now open for location. The Crown Lands Agent
for the District resides in Brackbridge. This gen tleman will sur
each township.
In conclusion, I hope that the few plain facts have laid before the readers of the ADVOCATE may trict which I have adopted as my home may result in leading some families to settle on a Free Grant lot in Muskoka. I may say that 1 shall at all the Anvocate, or otherwise, providing a stamp is enclosed for reply. James Aspolin, Aspdin P. O., Muskoka, Ont.
March 12th, 1877.

## Poultry Raising.

Dear Sir,-According to promise, I now give
you a short account of my experience in poultry raising.
I have been for the last fifteen years trying to
find out which is the best fowls, and the most profitable for a farmer to raise. I have tried some four or five different breeds, viz: :- The Black
Spanish, which I found excellent layers in summer Spanish, which found excellent layers in sum lace,
but very tender, and, unless kept in a warm place,
no winter eggs to be got from them, the very time we enjey such a luxury. The White Leghorn are very similar. The (aine is a fine fowl, both to
look at and on the table, but I found them so given to fighting that som.
the shell they were at it.
I imported, some four or five years ago, from try Yards," Baltimore, U. S., one pair light and one pair dark Brahmas, and vestment I ever rande, as 1 never want eggs in
winter now; I have not been a fortnight without plenty of fresh eggs since I got them. I prefer
the Light to the Dark, and some of our leading breeders with whom I have been conversing say
the same. In speaking of the Light Brahmas the editor of the Poultry Chronicle says:-"It should be a large, weighty fowl, of a free, majestic bear-
ing, alike removed from the waddle of the Cochin China and the upright carriage of the Malay;
short in the leg and neck, wide and full in thic breast, and wide and deep in make; legs yellow in size and spread, that of the cock opening into a fan; comlm smatl, and it maybe or nearly united into one, but its triple form is always evident." He sums up by saying, what are they then? They
are Brahma Pootras, large, heavy birds, symmetriare Brahma Pootras, large, heavy birds, symmetr
cal, prolific, good layers in winter, and hardy, livcal, prolific, good ayers in winter, an showed a pair
ing where Cochins would starve. I
of L. Brahma Cockerels, dressed ready for table, of L. Brahma Cockerels, dressed ready for table,
at our Cuclph Xmas poultry show, weighing 18 fts. an excellent layer and gives hardiness, which the Spanish has not got. They are certainly the most and do not eat more than other fowls; and when the grain comes off will wander in search of food all over the farm.
In speaking to Mr . Thomas and Mr . Butterfield at our show here recently, they both recommended
the Lifght Brahmas as being the best and hardiest owl for a farmer's use.
I see the Plymouth Rocks are highly spoken or
wy those who have tried them, and I believe ar god layerss lot lut inteind to stick principally to
Light Brahmas, as beeing far ahead of anything I have yet tried.
We had one of the finest shows ever held in Canada here recently, and 1 am only sorry to see
my brother farmers patronize it so poorly. They stand in their own light, as nothing pays bette than ponltry when properly attencted to. 1 sold
some s.in worth of
dozen egrys, and hall all we wanted for our own use dozen eggs, and hat all we wanted in spring with
in a family of twelve, and started
some thiity hens, principally of the L. Brahma
breed. I might give you a duscription of our show here,
but as 1 have no dould you have got full account elsewhere I will not trouble you; suffice it to say
there were over 1 ,000 entries 41 pairs of geese
and turkeys exhilitital alone, some of the turkeys weighing over 40 ths.
I hope you will try and encourage the farner
take a greater interest in poultry, as well-bred
poultry, I am convinced, pays as well in proportion as well-bred stock. I think we ought to offer more
and prizes at our Central and Provincial Shows for 'farmers' fowls only," as it is almost impossible
for them to compete with such breeders as Messrs. Themas, Butterfield, Allen, Sturdy, Bogue, \&c.
Thom . and if they once took an interest in competing with each other you would soon see as
shown by farmers as by professionals.
I would suggest that a class ought to be made
t our Provincial Show at least for a few of leading poultry breeders "for farmers only" hope some of our leading poultry men will tak
his matter up. I hope some others will give their xperience in your valuable journal soon again. Springfield Farm, 13th March, [We entirely agree with the suggestion of our
correspondent. There should be special prizes for farmers' poultry. And for the professionals prope precautions should be taken that the prizes be for poultry bred and actually owned by the ox
not bought for the occasion, or borrowed, as it
and said has been done at former

SIR,-The ADVocATE for March has just reache scriber, merely because you stated the truth re specting the Red Chaff wheat. A farmer in this
township told me he tried it, and although yielded well, yet it makes bad flour. The grai dealers, , believe, generally ship it off to England,
when it lowers the standard of wheat in the English market, and, consequently, dealers should re fuse to buy it even when mixed with
other whent, other wheat, except at a reduction of 2 cent
per bushel. I am sorry to find that so many of our
farmers after having robbed their farms of its fer farmers atter having robbed their fheat, and sellin their wheat at good prices, are so stingy that in
stead of using their profits in underdraining their farms, wherever necessary, purchasing artificia manures, making home comortabie, and educatin money in the banks, so that if a panic is imminen they will make a rush to draw it out, and so mak bad matters worse. In a legal point of view a man
has a right to do what he will with his own ; but no man has any moral right to use his property in such a manner as to injure the community. Th hard times for morse yet before business can be again settled on a sure foundation. Wheneve the weakest bank in the Province fails, a panic farmers I have alluded to, will immediately mak a rush on the banks, to withdraw their funds. I the Daily Globe of the $24 t h$ ult., 1 noticed a d all the banks in the country, and on looking over it I found that the amonnt of specie and Dominion notes put together held by some of the
was not equal to the amount of notes in circula tion, and deposits, payable on demand, for which they are liable; consequently, when a panic doe come, they woud Boon have to suspepeapecie pay abundance of assets, and only require time to utilize them; but this would involve a general panic
similar to that in 1866, but even worse, as we have now more banks and many more stores than existed then. Although all classes seem to be posssesed with such a rage for gambling and fast living, that
the Province must be reduced to the verge of bankruptcy before they can be induced to economizc.
I have noticed your rear 1upply from India. A sopply of cheap wheat is
an absolute necessity for England, and from no other country can such a cheap supply be obtained. Considering the disorganisedcondition of the laior horers, dear bread will be the signal forasocialrevolution and consequent anarchy for a time, and consoquently the Engtsh covernmemity as long as poss. sible, but a few years may elapse first, and till then a good market will be found in the United Kingdom for all the butcher meat, alive or dead, and
horses that we ean export. As you have observed, we must look more for a market at home, and
other foreign Ine. In conclusion, I would only observe that
donse who may this season experiment on differen kinds of wheat should never sow two varieties in
one field as they would be sure to hybridize, so One field as they would be sure to hybridize, so
that the crop can not well be pare. SAkAwak. [Thanks for your communication. We will be
shall receive due attention. In the article on lime
in the last number there was an unintentional omission. To spread the lime evenly on the ground, it was first wheeled out in heaps, and then spread evenly with a shovel. This was
necessary in order to spread the fifty bushels evenly over half an acre.
We fully agree with your remarks as to the
wrong done by farmers in hoarding the profits from their farms instead of investing them in needed improvements on their lands. Money expended judiciously on the farm is placed in the safest as
well as the most profitable bank. The increased alue of the land amounts to far more than bank intercst, and it is there a deposit that cannot be Nected by any panic. Still we do not think that ime a loss, it will be to the stockholders, not to
 rovince quite so gloomy.
Conceruing the condition of the laboring classs land has passed in safety and triumph through nany storms. Powerful enemies without, and alse friends within the camp, have been powerless e have no doubt that she will maintain her proud position.
The hybridizing of wheat is at any time attended
ith sucl difficulty that there need be no dread of casual occurrence from two or more varieties being sown in the same field. Lven when seed is sown, and the distinction in the sheaf and bin is apparent to any one.-ED.]
Apple-Tree Borers-Western Corn Gypsum.
Sirs, - As a farmer I find every No. of the An
Vocise instructive and interesting, although I hat speul much time on "Minmie May's Depart nent;" the boys and girlk attend to that part of nuch of the contents being written by practical armers, makes it, in my opinion, of so much the
nore value to us as a class, than it would be iffed up, with long learned disquisitions by proessors of agricultural chconistry, \&c., from the best I chools on the continent.
I cannot admire the letter of A. C. I do not see paper,"" unless he cin stop, the whole future issues
of the ADvocate ; the farmers of Cauda need such a paper-one that will tell the truth indepen dently of private interests, and while the ADvo cannot but succeed, for be it remembered the Domini Conada are the bone and smews of the The Red Fern wheat has been tried by me, and others near, and appears to be the leading variety
since the Fife wheat has failed; it makes good lour and a very goor yielu.
"Hints to Dairymen, ly J. Seabury," are among
the leest I have ever read on the subject, and should be read by every cheesemaker in Ontario. As a farmer 1 feel much interested in the produc-
tion of butter and cheese as the only stronghold for many of the farmers in the old grain-worn last two years, is one of them, therefore, for the to the best of my ability, as more remunerative with cheser factories slone, but am trying to get ever around me sutficient water can be found to Whon at the Centennial in Oct. (where every in-
(ont. should have gone), my teiligent farner of Ont. should have gone), my登ntleman from Little V:alley, Cattarangus County, Chese making, anll who propsed to came to Ont.

 It pateet

 x cellent dressing for meadows cespecially in clover
with equal good sucoess ; also tried it on corn with
good results. ood results.
ally close around the stem. My trees were badly affected with the borer, so much so that I lost everal large and thrifty trees before I was aware of the cause. I then eximined the trees with the
knife and wire, and applied ashes, and the result is I can keep the insect in check; and by con-
stantly attending to the trees in spring $I$ have no stantly attending to the trees in spring I have no
trouble. with worms' nests.
I do not sell ashes since the ashman refused to purchase ashes mea-
sured in $m y$ half-bushel-although stamped with V.R. my measure was only about one-third as V.R. my measure w,
large as his iron tub.

To your correspondent from Meaford, I would of 130 ths. to the acre, in drills 18 inches aparat, in good clean land, will produce one of the most valuable substitutes for grass that can be raised at such a trifling expense. Cut in the latter part of
July, August or September as required, about 24 July, August or September as required, about 24
hours before being fed, will be is good feed for milch cows; what is not needed to feed out then, aut before frosts injure it, hind it in small bundles weeks, then drive a long stake into the ground and hind 40 or 50 small bundles around the stake near ers will mow and cure it as hay and mix it with straw in the mow or stack. if properly cured I
consider it worth more thim ripe thinothy hay for cows, and an acre will prolluce an immense lot. think you will not regret it. A slight cultivation If you can finil anything in what I have written
worth copying, use it as youl $\begin{aligned} & \text { worth conying, use it as you think proper and } \\ & \text { oblige }\end{aligned}$
civalewsis.

## Gllano

Sif, As I imported a (uantity of guano from
Englaud, and intend to apply it to the land this spring, would you be so kind as to inform me of what crops it is best alaplted for?
rate of $\$ 80$ per ton? Please answer in the FArMEh's Advocate. A Subshiber, Lower Montague, I'. E. I.
TGuano is ayplied as a fertitizer to grass lands as well as to root and grain crops. Peruvian guano
is one of the best articicial manures for grass land when used alone, it may be employed at the rate
of from one and a half to two and a half cwts. per acre. A very generally useful top-dressing for the hay crop may be mate of three parts Peruvian phate of ammonia. (If this mixture, two to two and a half ewts. per acre may le employed. For ront crops the following practice has been
found very leneticial on lifht soils: (iive barely
half a land for turnips, alons with three cwts. of super Phosphate of lime per acre. (iive a full dressing
of farm-yard dung in antumn
to the land for the of farm-yar den in autumn to the land for the
magold wurzel crip, along with two or three covts of guano and two or threce ewts. of common salt per acre in spring. (ive a fair dressing of duag in autumn, if losshbe, to land intended for pota
toes, along with two or three cwts. of guano as
top-dressing in sprin" at plantinys time
Give top-dressing in spring, at plantiny time. (Give a
fair dressing of dung to the clover in autumn fo the wheat crop. This is the practice of good Eng-
lish framers.

The have employed gnano, without any additional manure, for mangold crops. Having openell
drills at 30 inclies distant, wo sowed drills, then coverel the drills with the plow and dribbled in the seed. Me hat a very heavy yield. We may add, the ground hat
"Would it pay to import guano at \$80 per ton?", siderable risk. The protits of any crop depend si
much on seasons and other circumstances the
 would alvise any such experiment to be male on
is smalt scale.
Besides, the ralue of guano is wholly according to its richness in ammonia., Th.
simplest test that can be applied to guano is weight. A bushen of goorl ganano, fifled in, without pres sure, sho
weight. The best substitute for for suauc, available to all, in fowls' manure.-Ei.]

SIR,-The Red Fern spring wheat has done very
well this year; again it yielded 27 bushels to the well this year; again it yielded 27 bushens to the
acre. I fancy I sowed it a little too thin-one bushel to the acre, broadcast-the consequence
was it had to stool out a great deal, and did not was it had to stool out a great deal, and did not
ripen as soon as it should, but for all that it did ripen as soon as it should, but for a
better than any other I have heard of.
Cherry Creek, Mar., Cherry Creek, Mar., 1877.
Profit of Cows.-Sir,-I would like to inform you how my cows paid me during the past year having kopt four cows, two new milch cows and
two farrow cows ; from which I made one thousand weight of butter, ; having sold $\$ 134.90$ worth be
wain sides that required for our own nse. Total amoun
made amounts to $\$ 175$. GEO. A. Coare made amou.
Clinton.

Can you or any of your readers inform me
through the ADvocate how to prevent turing through the Advocate how to prevent turnips and
carrots from running to seed or long stock, if carrots from running to seed or long st
Upp Stewicke, Colchester Co., N. S. seed raised liy people who do not nuderstand the business. Roots planted out of the proper season ing has been known to result in weakly and seed crops. Turnip seed one year old is not so lialle to
become weally as new seed. become weakly as new seed. Your best way to
avoid this is to get your seed direct from good seedsman. Often a lot of cheap and inferior
seed is packed and sent to the small grocerie seed is packed and sent to the small groceries
throughout the country. The cost of good seed is nothng in comparison to the loss of a crop.-EDD. IIR,-I sowed three bushels of Red Fern wheat
last year. I sowed Fife wheat along side of it. I
had threshed 20 loushels of Red Fern. I sowed them about the same fuantity on the ground. The
land was the same land was the same. The Fife wheat was shrunken
poor stuff, itt for hen feed. The Red Ferrn would poor stuff, fed double if the season had not been so dry. The midge injured the Fife badly, but it
did not affect the Red Fern. The Minnest did not affect the Red Fern. The Minnesota wheat
did very well with a neighbor of mine.
DANIEL FERGis's, Wilton Grove.
Frozen Aprics.- - It may be of value to some to
know that frozen apules if Kefore they thaw, and put in a cool cellar, will be
bery little injured
We put some down in the very little injurel. We put some down in that
way last fall, and the frost came out in large shell on the outside, and left the apples very little worse, while others left on the trees were ruined A plan which a neighbor took last fall to preserve
apples for fanily use, and which I thought so well apples for family use, and which I thought so wel
of that I will mention it. Insteal of harrels he took cheese boxes into the orchard, and carcfully
picked the fruit into them, put on the lider then piled them on top of each other in a cool cel-
lar. The different kinds might he side of the boxes, and they so p'aced that thi this plan are-The boxes will keep for future usid much better than barresls, and will, conscopuently be cheaper in the end. They are more convenien ting at the apples when wanted. much easicer get ing a quantity of boxes next fall, to le male strong
and good, and to hold about a lushee and good, and to hold about a lushel cach for my
own use. In this part of the country they will
 1. Please to tell us in the Aivocste what the
clover seed that is shipped to the oll country is used for? Is it used for dyes; if so, what to
color? 2. I en ound this year in a clover seed. I I do not remen them, either through the narers have heard of They seem to be most prevalont in poor secd. Io,
you know anythins about them; have they auy you know anything about them; have they any-
thing to do with the quality of the seed?
I., 1. 1 .
II. We have several times heart here of clover
seed being used for dyes. We have made enquiries on the subject, and to ensure greater certainty we
wrote to noost reliable houses in England hre assured the seed is not used for dying at all, nt solely for seed.
2. Wm. Saundors,
and
and
gist, kindly suivesers, well known as an entomolo-
the second query following information to the second query dent's letter, as affecting clover, is, 1 beliere, whin
is known as the clover worm (asopia costalis). The
secimens contained in the letter were so dried up as to be difficult to recognize, still I think the determination is correct. The moth produced from
this caterpillar is a very pretty little thing, and this caterpillar is a very pretty little thing, and
very quick in its movenents.

Wire Fence-Caterpillars.
I propose building a wire fence, or part wire at east; that is, I intend putting in two cedar posts wide in the botton and a two by four scantlon on top; then fill in the intervening space with as
many wires as I think neeessary. I wires as I think necessary.
1 would be very much obliged for your opinion
of such $a$ fence in your next issuc, and what thick such a fence in your next issuu, and what
ness of wires and where best obtained, \&c. As it will be coming on toward the time when We may expect to see the caterpillars on our fruit
trees (hy the time of your next issue), I will here so and again called into practice last year years hey were so bad throuphout this part of the
country) of destroying them. If you deem it country) of destroying them. If you deem it
worthy, publish it for the benctit of others. When the sun is warm place a ring of coal tar 1) pretty near the branches. Then jar all the hey will inmectiatelv fall to the ground break Bey
he well , ly which which thicy let themselves down, and on the truuls ur as hour they will all be gathered casily be killed with au old lroom or something of Onc half hay of your time, and a gallom of tar
costing alnont lifty cents) will make your orchard say nothing of prolit. till cyesore to your farm, Pace compers me to disenntinuc.
Porter Hill, March (jith, Is-I
 lerience with wire fences. The galvanizel wire is
the best, ind will lee found cheapest eventually. pply tu the nearest wholesale hardware merchant. fool one; the twelve.inch board at the boottom

## send Postage Stamps.

Ank,- Since the inscrion of my letter on Mus. ave reveich numerons letturs of cumpury, asking tamp for reply. Wiill youk kindly insert a line in arem number to the effect that I will willingly npply mornatho to thase that remuire it hy
 mail. Ry inserting this in the next numbler you
mill comfer a faver on than and Asprlin P. O., Ont.
Wother correspondents have manle similar comvalue. The least thins they cam suld time are of to semin stamnis for return prostage. Elis.]

## Inclean Milk.

ne why cows you or any of your sultseriblers inform their teats. Ne have a fresh milk cow that gives
loul milk from ome of her teats; the last milking
wals cuite cars ond, kept in a warm, staile, The cond fod is six hal two teats the sime way all liast last year that [This is a trumbe which every dairyman lias t
 derishess in the con's baye or int a phertion of it.
 mot-a smalt piece cut up, fine and given inse in itherem hesh if it prowes trould winne on incorable, the
hest phan is to fatten and sell to the butcher, and
fill her place with anu ther. -


 last spring I sowed 140 lbs. and $I$ cleared up 32
bushels of very good wheat. This season I have bushels of very good wheat. This season I have
sold 12 bushels at $\$ 3$ per bushel. I I intend to sow 20 bushels myself if all is well. I also got 10 lbs.
of your Emporium oats which also did very well. of your Emporium oats which also did very well.
I believe the Red Fernisboth midgeand rust proof. E. H., Brampton P. O

## Protection of Insectivorous Birds.

Sir,-The Society for the Protection of Fish wame, ant insectivorous airds are doing a pood
work; their endeavors to induec farmers to pro.
tect, instead of ruthlessly destroying our birls, estect, instead of ruthlessly destroying our birds, es-
pecially those known by the niane insectivorous, pecially those known by the niane . The number
should meet with hearty approval. The of injurious insects are increasing, and agriculturists require all the allies they can get to keep them
in check. It is not enough to cease killing birds, hineck. It is not ellough to cease killing birds, breeding. This can be done to a large extent by persons surroundmg their homes with ornamental trees, shrubberies, hed
beatifying and adding to the value of their prop.
eties. The bareness of the grounds around the Ceautifing and adding to the vatue of heir prop-
erties. The bareness of the grounds around the
majority of our farm houses is a frepuent sulject majority of of
of comment.
The necessity for planting trees, hoth with
view to shelter and profit, (at the same time affiording cover for our gane biress, ) inight alss be urged
in connection with this sulpject. The claims of in connection with this supject.
the European larch have ben pressited to land. owners of late, and not without yourl reasin. It
is a deciduous tree, , belouging to the tir trite
is following extract is from Chambers' Information
for the People:-"Of this valuable genus there for the People:-" "Of this valuable gelus there
are several species grown in Britain, the more cim. mon is the larix Europea. The larche in the most
beautiful in figure of any of this class of trees beautiful in figure of any of this class of trees,
shooting straight up, its elegant sten tapering th a point, is furnishecious drooping spray. Its qual ities are rapil growth, flexibility and durability in
situations between wet and dry-a circumstance situations
perhaps, attributalle to to the quantity of resin in perhaps, attributanle to the quanticy of
its filme. It possesses a great superiority
comnon fir in point of irnameutal cilict.
The larch is not without value from a medical
point of view. It yields Venice turpentiue, aud a
and exules spontancously and cencretes upon its bark. The bark possessed estringent properties
and has been found efficacious in hemorrhage fron and has been foun ilsticacious in the lungs, and is also employed in other diseases.

20uttry alatid.

## On Brecding Poultry.

The all prevailing topic now with the farmer plans for the sprinty and summer, is fancy poultry and which breed is the best, and how many can
get for the ferest dullars. In the latter they ar wholly wrong. It should not he the aim to get the
nost for the least money. To get the best is ap plicable to fine fowle as it is to all other stock. Do
we want to buy a so-called Berkshire hog We want to buy a so-called berkshire hog, ous would have tó pay for an animal, which we know
to be better, and when we examine its or their progeny, to find it sadly lacking in all the point same role is applicable to fine poultry that is to
fine horses, cows, shecp, or anytling else. In th first place, decide on the reed you wish to kee
whether for size or eggs. Next send to a relial,
hreeder tion high for your slender purse, buy eggs and learn
the wants of your fowl day by day, and ly this the wants of your fowl tay
means learn your pooultry as you woullin a book (l),
constant study). To those who are not posted in
 There is nothing about the farm which pays as
handsomely and requires as litle attention as poul-
try.

earned, but nothing cost me as dear as my early
poultry experience. I would study the papers, and
ind ${ }^{\circ}$ where I could buy cheap fols or end ind ${ }^{\text {w where }}$ I could buy cheap fowls or eggs- send disappointment. My eggs would not hateh, and if they would, after months of care and anxiety,
would find my birds (bought cheap) sadly lackin Would tind my birds (bought cheap) sadly lacking what it should be. The cheapest eggs I ever bought were those I paid the most money for
They always hathed weil, and the birds proved to be all the breeder claimed for his stock. In conclusion, allow me to say, get the best, an
when you go to the fall shows or fairs, you can When you go to the fall shows or fairs, you can
say with pride, as I have heard farmers in the
east say " $\$ 20$, why I have juat as east say, " $\$ 20$, why 1 have just as good at home.
And they have, for why should not the farme

Eggs-How Increased. If an increase of eggs be desired in the poultry
yard, before large sums of money are expended in the purchase of everlasting layers, we would re
commend the system of keeping no hens after th first, or at the most, their second year. Early pullets give the increase, and the only wonder is tha people persist, as they ho, in keeping up a stock some parts of Europe it is the invariable rule keep the pullets only one year. Feeding will do
great deaf-a surprising work indeed-in the prent Cuction of eggs, but not when old hens are con-
cernel; they may put on fat, but they cannot put cerned; they may put on fat, but they cannot put
down eggs. Their tale is told, their work is over down eggs. Thenr to ale is tol, their work is over
nothing remains to be done with them but to give them a smell of the kitchen fire, and the souye
they get that the hetter. Of course whd favorites whose lives ought to be spared as iton as they can send forth their representatives. Ju-
licious mating by which we mean the advantag oi a comparatively youthful cockerel-may be the rearance from the eggs of the good old hen, and here we have the exception to the rule upon which

Poultry for Farmers.

> We fear that farmers are allowing the fancy poultry men to carry of not only all the honors, pout poultry men to carry off not only all the honors,
but the profits as well. Farmers seem to think poultry very well for the women, and keep a few
to please them; but they do not regard them as
part of their farming operations and worthy of the part of their farming operations, and worthy of the
same attention as they give to their sheep, cattle and swine. They have not, evidenitly, examined
the economical question with due attention. Sup. pose we make a little estimate of the comparative capacity for profitable production between the sheep
and the hen. Farmers have no doubt of the profts of sheep, husbandry, and therefore we take the sheep as a standard of comparison. In the first place, the farmer expects $t$, make hasture in summer, good food and sholter in wiuter, and he studies their wants, and provides for then as a necessity in his
in an adequate return. But how does he treat his poultry" Why, he lets them take care of themselves. He makes no provision for them.
limes they get an abundance in their law imes they get an abuudance in their lawless forag. get little or nothing for days; yet he speaks of his has ryad no certain provision for their wants. If we go into a calculation of the profite of
try we find, ae a starting point, that a good br will lay, on an average, from loo to 150 eggs per
year, to each hen. If wee estimate the genal average at 125 eggs per hen, and the average price per hen for eggs ; and besides this, the hen will raise at least one brood of chickens-say an aver-
age of eight chickens, and should dress, on an average, three pounds, and bring in market, on an
average, in any of our large cities, three shillingg each, or $\$ 3$ for each hrooro. suppose it costs 81.50 which, alded to the eggs, makes $\$ 4$ as the income
ronn each hen. We know instances where, in simall thocks of thirty or forty hens, the average has hech inire than this, and yet 84 is a fair average
fur each sheep, in respectable flocks ; and , ne sheet will cat ax much, in valur, as six hens.

you reduce one-half the estimated income from a
hen, still, hens are more profitable than sheep. The reason ins quite obvious. proitable the then slesh of poultry
brings nearly double in market that of mutton. As long as the taste of people prizes poultry so much higher than other keoplse of prizes poult the farmer
should find his profit in raising it All it require is, that the farmer should study the wants of poul. try as he does his other stock, and be as assiduous n their care, and he will find that nothing on the

## Care of Sitting Hens.

The sitting hen, to be under favorable circum supply of pure water and grain is constantly kept,
and the all-important "dust bath" of coal ashes, road dust, or sand mixed with tlour of sulphur,
must be furnished for the healthful condition of hust be furni. When the hen cannot have the ad dvantages of a separate room, she must, at all vents, be allowed to leave the nest once or twice
daily for food and exercise. If she is not fed she will be very apt to eat her eggs to appease the deands of appetite, and unless she is allowed space or exercise her bowels will beeome deranged so
hat constipation will set in, to be followed, very ikely, by a violent diarrhea. In order to thrive, sitting hen must have space to run, tlap her
wings and shake herself up generally, and if she is made to search for her grain and scratch it out, he better, provided the weather is not oold, in which place do nct
Laying hens now noed a variety of grain and fat and lean meat once a week. They camnot make
eggs without a variel diet. Whent screanings,
oats, buck wheat, and corn are gootl.
teterimary.
Ringbone.
Sir, - In looking over the columns of the Advo demning the treatment practised by the veterinary profession for the cure of ringbome - that of firing understand the nature of a a ringlonie, or he would meat as that of removing from the posterior par of the festlock a mombrane that grows aroun what is termed "cutting out the feeder," a treatmen too absurd to require remark. This so calle there for the protection of the tendons in those parts, and has nothing to do in any way with ring bone. We cannot say too much against sach crue notioe where the animal was rendered entirely use less by this lirutal treatment. It is the duty of practices, tr, open the eyes of the public agains such impiricism, that the poor dumb animals may
he saved from the cruelties of bone is an osseons creposities of of quand the head of the small postern bone and lower end of the large one consequently causing pramenesc. We make no heas tation in saying that, if properly dore, firing and
blistering will remove the lameness in nine case out of ten. Hoping, Mr. Editor, I have not tres passed too much upon yonr valuable space.
[Doctors differ.--ED.]
Value of Horse Feed.
From an exchange we take the following table pon this subject: The comparative value of horse
feed is found l,y experiment to lee as follows :- 100 Wh. of good hay is equal in value to 59 libs. of oats, harley, and 105 libs. of wheat liran. Such tables, be of any practical value, and, besiles, they are
too lialle to be affected hy attendant circumstances
to be accurate. It cannot le meant that cither of


Btot amd 忍nixy

## Potatoes for Horses

L. T. Scott writes in the Country Gentleman :-
Nearly every winter when I have my horses up in Nearly every winter when Thave my horses up in
stable, Ithink I will call the attention of your
readers to the practice of feeding potatoes to their readers to the practice of feeding potatoes to their
horses. I once came very near losing a very valuhorses. I once came very near losing a very valu
atb horse from feeding him dry hay and oats,
with nothing with nothing loosening. I have never believed in dosing a horse with medicine, but something is
actually necessary to keep the horse in the righ actually necessary to keep the horse in the res ar
condition. Many use powders, but potatoes ar better, and safer, and cheaper, if fed judiciously
f those who are not in the habit of feeding pota If those who are not in the habit of feeding pota
toes to horses will try them, they will be aston toes to horses will try them, they will be aston-
ished at the result. I have known a horse to
change from a lazy dumpish one to a quick, active change from a lazy, dumpish one, to a quick, active,
headstrong animal in five days, by simply addin headstrong animal in five days, by simply addlin
two quarts of potatoes to his feed daily. If ver much clear corn meal is fed, they do not need ss many potatoes. Too many potatoes are weakening
and so are too many apples. When I was a lad and so are too many apples.
was away from home at school one winter, an
had the care of one horse, one yoke of oxen, and had the care of one horse, one yoke of oxen, and
one cow, everyone of which I hal to card or curry
every day every day. The horse had three pails of wate
four quarts of oats, two quarts small potatoes, an two quarts of corrn extra every day he worked
with what hay he wanted with what hay he wanted, and a stronger, an
more active horse of his inches, I have never ye seen.

Judging Wool
Many farmers have been annoyed, when selling
their wool, to find that the acute and practised ey of the wool buyer liad detected the fact that his
sheep had been allowed to run down in condition at some time during the growth of the flecee.
They are laalf incliued to think that the buyer is merely trying to teppreciate the price. As a mat
ter of fact, there is nothing which renders wool so useless for certain kinds of manufacture as uneven-
ness or hreak in continuity of tho fibre; and there is no defect inore cornumon, and more severely on that tender part of his amatomy

- the pocket. Inower cond the wool in all respects, the keen eye of the buyer singless out the
defective wool, and in, wn yoes the price of it And it is not mere lancy that reculates the prices, for
the uneven wool will lweill at the well during the tirst process of manufacture come persons sulpose ethat this uncernness of fleece is hereditary in certiin animals, and per haps uneven-ill-usage and neglect. But as the wool of an en tire flock is foull tho be meven one year, and not
so in another, , st shows that mana mement has more to get into a low condition, are neglecter, whler.
feil, or not sheltered properly, the pores of the skin will contract, and the wool that isssues will be
of very fine filre. As soon as the animal recovers a vigorous condition tho pores ayain open, and a longer and stronger fibre grows. The wool is thus
weaker in one plice than in places at each it, and lreaks at the weils place on the slich of it, and streaks at the weak phace (1n the slight-
est strain. Nothing inluces muvereness more
easily and surcly than want of water. It is a common notion that sheep can do without
water or a very little. If suppliel with roots haily water or a very little. If supplied with roots haily
they will not want much water but it is well and
humane, too, that water should be balways with in humane, tow, that water should be alvays within
their reach. Not only is it important that the their reach. Not only is it important that the
filres should be even, but the tleeces throughout
 pert examines a I Hecec: Always assuming that the woul to be
first examine th tirst examine the
finest and best we take as the simdari, and connally found This and the hinder parts, and the nearer the woul from these various portions of the animal approaches
the standard the better. First, we scrutinize the fineness, and, if the result be satisfactury we pro-
nounce the flece in respect to fineness nomuce the flecee in respect to fineness, very
"even;" next, we inguire into the length of the staphl; ; and, if, we find that the wool on the e:thes
thigh and louk, appoximates reasonably in leng ti to that of our stimbiand, we wain declare the
shecep as regards lenth of the staple, true and
ceen. We next desite to satisfy ourselves of the
density of the feece, and we do this by closing the hand upon a portion of the rump and of the
lion wools, the fleece at these points being usually lion wools, the fleece at these points being usually
the thinnest and most faulty, and, if this again
give satisfaction, we signify the fact by designating give satisfaction, we signify the fact by designating the wool "even" as respects density. Now, to
summarize these separate examinations, if you find the fleece of nearly equal fineness from the shoulder, rib, thigh and back, and of equal density clude that you have a perfect sheep.- English $E x$
change.


## Practical Views of Practical Breeders.

Mr. Wise of Prescott, writes as follows to the
In the first place, I would say my first purchase was the brool mare Lady Patchen, by George M. of Cassius M. Clay, bought of W. H. Pick, Ess 1 , Hartford, Conn. The next one, Belle, by Rysdyk's Clay, ir, bought of $C$ M Pond Esq, also of Hay, jr., bought of ch. Mond esq., Cyso
Hartford, Conn. My Mirch purchae was Rysdyk,
lo of Mr. Pond. These three purchase wer nade in the spring and summer of 1874 ; and you will say they have been very productive when I of you I have to-day something over sixty head
of stock. The two mares named were in foal when i bought them-Lady Patchen to Peck's Idol, and
Belle to Rysdyk. Lady Patchen's produce was a bay filly, now 32 months old, 15.3 hands high, and weighs 975 pounds. She is a right good one, has
been handled a little, and can show a 2.40 gait very
handily Produce of Belle: a bay colt, 31 months andily Produce of Belle : a bay colt, 31 months
ld, $15.3 \frac{1}{2}$ hands high, and weighs 1,105 pounds. He has not been worked as much as the above filly, hut is well broken, and can show a 3 minnte gait.
have kept him a stallion, and think him a very promising young one. Now, as to how they were red, \&c. At 5 months they were weancd, put into
box-stall 16 to 20 feet, run out doors daytimes, hox-stall 16 to 20 feet, run out doors daytimes don't think they missed a day all winter. I com nenced by giving them two quarts each per day, and kept increasing it up to six quarts daly; was Cirrots twice a week in place of oats, and in addi
tion to this, about four quarts of milk each night and morning all winter, together with all the goo hay they can eat. I have treated all my colts in
this manner till this winter, whin I have adder me-quarter corn to three-quarters oats, and 1 lik
it hetter than the clear oats. For the two (this the third) years I have been breeding. I have no had a sick colt for an hour--always well and ready
for their three meals a day. As I have said above is I fed my two first colts, so I have fed them all, and 1 think sulcessfully. One of my yearlings Nate, dam of (Orient), she by (Treen's Hambleto-
nimu (full hrother, as you know, of Volmuteer) nis filly is fifteen hands high, as handsome as minte, and can pull a man in a road cutter in one good promise of speed.
The stallions-Rysdyk, Phil Sheridan, Chestnut Hill, Wi. B. Sinith and North America-are given
cight to ten miles daily. (Chestnut Hill, by Ryslik, is a slick one; trotted a quarter for us the never worked; run out days and stabled nights wi, a week, aud all the havy they want. The thought ly some and, notwithstanding it has been could not breed and raise the trotting horse suc cessfully, I am very much inclined to think we Iam, and hope in a eex years to be able to prove it pleased with my stock so far. I am told by those mine eompares cery favorable Kentucky stock that
thith their stock 1 neell not be ashamed of my efforts thus far. Consider this very flattering, indeed, for the re marks are made ly those having no interest in one
section more than another. If there is any differ
cnlece it is rather against Canada than for it.

## Ayrshire Cows

The report of the Ayrshire Agricultural AssociHucrinity in Ayrchire dairy cows :
Heal slout, forchead wide,
full and lively, horns wide set rately larye, eye "ard and curving slightly inward.

Neck long and straight from the bead to the to
號 the shoulder, free from loose skin on the unde of the shoulder, free from loose she head, and the muscles symmetrically enlarging towards the shoul ders.
Shoul
Shoulders thin at the top, brisket light, the whole forequarters thin in front, and gra
creasing in depth and width backward. Back short and straight, spine well defined, es pecially at the shoulder, the short ribs arched, the
body deep at the flanks and the milk veins well developed.
Pelvis long, broad and straight, hock bones (il hium) wide apart and not much overlaid with fat,
thighs deep and broad, tail long and slender, and set on level with the back.
Milk vessels capacious and extending welly for the body, the sole or under furfaly attached to the body, the sole or under surface nearly level,
the teats from two to two and a half inches in length, equal in thickness, and hanging perpendicu-
larly; their distance apart at the sides should be equal to about one-third of the length of the ves-
sel, and across to about one-half of the bread Legs short, the bones fine and the joints firm Skin soft aid elastic, and covered with soft,
dose, woolly hair The colors prefe
The colors preferred are brown, or brown and
white, the colors being distinctly defined Great value is attached to the above porm and points by the dairy farmer, and he quickly takes hem in when effecting a purchase, so that a mis-

## Value of Cattle Food

There is an enormous difference in the value of and for labor sustentation. This difference is mainly due to the varying amounts of water and nitrogen substances they contain. Take the dif-
ference in the manurial value for illustration, between two kinds of meal. The worth of the manure from a ton of linseced and cale is about $\$ 17.50$
in the New Fingland markets; that from a ton of the New lingland markets; that from a ton of
cotton seed cake is worth nearly $\$ 24$. This value is based upon its use when fed to fattening animals. If feed to working oxen and milch cows, it falls to milk obtained will be in proportiont of the relative manurial value of the experiment. All foods that hold a large amount of water, like roots, potatoes,
dc., have comparatively a small valuc as fattening or working foods. The percentace of nitrogen or hosphatic substances is so small that large quanities must be consumed to produce desirable re salts. The percentage of vater in several of our
nost ordinary foods is as follows : Meadow and clover hay
itraw traw................. hreen fodder...
Tangle-wurzle
Yanne-w.
Totatoes.
Per cent.
14.3 to 1.6
14.8
14.4
.75 to 80
.88 to 90
.90 to 91.
.75

Cattle food should be selected with reference to the same. Foods for work, for milk, for fattening hould be better understood among farmers. The se of cattle foods, and it will be be applied to the ice to the industry of the country.-Bostons Jour al of Chemistry.
Not all the green and juicy plants which the mimal relishes are nutricious or unpreficable fo of cereal grains, are not those which have the argest growth. The product of a field of clove hic inftiuence grown in deficient sunlight, or unde aluable than that gressive moisture, is much lis flight and moisture. It is a common practice i rom broadicast sowing the corn plant in drills, or ate in the season. But it is maintained that this cause the conditions under which prodise milk, ar unfavoralle to its perfect and healthy develop.
inent. If grown in hills in open space, with a full nent. If grown in hills in open space, with a fur
supply of air and light, the plant is richly sacharrincipal is almost entirely wanting. The sweet millet, green oats, and clover, are much to be pre hen the under
head, and the
wards the shoulisket light, the
nd gradually innd grai vell defined,
ribs arched ribs arched, the
milk veins well erlaid with fat, nding welly force nearly level,
half inches in ging perpendicu-
sides should be gth of the ves-
of the breadth. he joints firm or brown defined.
above form and ne quickly takes ood. in the value of yoth for fattening
his difference is nts of water and Take the dif

illustration, be | worth of the ma |
| :--- |
| so is about $\$ 17.5$ | at from a tono

824 . This valne attening animals int of labor an
on to the relativ t. All foods that ralue as fattenin ye of nitrogen
that large qual uce desirable re-
in several of our

| Por cont |
| :---: |
| 1.4 .3 |
| to 1.6 | 114.3

17.4
.78
.90
90

| 75 |
| :---: |
| 85 |
| 90 |
| 90 |
| 90 |
| 90 |
| to |
| to |
| 90 |

91 with reference to
$d$ rclative cost of ilk, for fattening,
ing farmers. The be applied to th f immense ser-

- Boston Jourwhich have the
f a field of clover minight, or unde
ture, is much le: ture, is much less mmon practice in
plant in drills, or or the milch cows,
intained that this produce milk, beh it is grown are
healthy develop. space, with a full
t is richly sacharwn in moss this re much to be pre-


## The Short-Horns for the Dairy.

$\qquad$ If any one doubts the value of short-horns fo
milk, I will refer him to the great dairy show held in October last, at London, where they are best known as milkers and where they have been short-horns at that show carried off the great prize of one hundred guineas offered for the best milkers, and, in fact, every prize but one offered for dairy
cows, except those offered for Jerseys. [Mr. Haris gives an extract from
showing that at the show the prizes for cows for "dairy purposes" werel carried off by the short-
horns, over Yorkshires and Ayrshires, and all horns, over ors but the Jerseys. The report includes the following: The London Ficld says of sixteen groups entered to compete for the magnificent and two groups were Ayrshires. In class four, the one hundred guinea cup for the best Channel Island cows, there were six competitors. The Jerseys
took the first honors; the second prize went Gook the first honors; the second prize went to
Guernseys, and the second on a single cow was awarded to an Alderney."]
I could present a great many records of enor-
mous yields of milk hy short-horns and their grades, or milked, were short-horns or grades, possessing from one-h hlf to seven-eighths short-horn blood. To sum their milking qualities up in a nut-shell,
I will declare them capable of giving from one pound of milk per day to one hundred, if the re cords here be true; and that the quantity of milk they protuce is in exact proportion, as a rule, to care. And this very
quality possessed 1,y
them in asreater degree them lin a anteater other treeree of cows aids vastly tu
their value as dairy stock.
For my own, I prefer tho-
roughbred short. cows of the Princess family, to ay others for
the dairy. Yet I nim willing to nulmit that
the calves raisel fromn our hest native cows, sired ly a thoroughhree
short-hornh hullof amilking family, if properly managel in rearing, will
insure cows of eypual bred for dairy pury,nses only. In conclusion. I
wiil give my rasons for
the choice I for my dairy as follows:
First. The short-horn
cows have goorl teats and nice square lag Third. They make the best use of the fuod cuin sumed of any breed.
Fourth. If nut giving milk will lay on flesh. Fifth. If mitt gool for the dairy they can 1 , cheaply turned into, goon heed. quality of milk, well adap,ted for the manufacture
of both l,utter and cheese, and also well adaptel for the market. Seventh. The well-bred short-horn cow is de
cidedly good looking. Now if any man in this as sociation oljects to heauty in the dairy cow, I hope
he will arise and remain standing until he can be counted. Fighth. I prefer the short horn cow for the
dairy becanse she will proluce the mast milk, the hairy becanse she will produce the most milk, the
most butter, the most cheese, and the most leeef,
for the fooll consumed, of any loreel of cows w have. -_
In Bretagne horses are feid on parsuip instead of aits, and no complaints are registerel as to falling
off in conlition. M. Le Bian feels his carriag horses exclusively on parsnips, and the animal.
that he now exhibits in Paris are superb. He gives each horse frity pounls of the roots, laily


Catrue Food.-Experience teaches ns that cat-
tle thrive best on a mixed diet. All hay or all grain will produce less beef than hay and or all in food, as well as richness; the feeding of concenmal assimilates it - beyond that so far as the aniing the manure heap, at a cost far beyond its value The ox has approximately eleven and one-half
pounds of stomach with only two and one-half pounds of intestines, to each one hundred pounds
of live weight of live weight; the sheep has less stomach and
more intestines, giving a smaller per centage of more intestines, giving a smaller per centage of
digestive apparatus ; while the pig for every one
hyd hundred pounds of his live weight has only onequand
one third pounds of stomach to six ponnds of intes. one third pounds of stomach to six pounds of intes-
tines. A steer would thrive on a bulk of straw with a little oil meal, that would shrink a sheep and starve a pig. Pork can be produced from clear
corn-meal, while mutton requires a greeter ver corn-meal, while mutton requires a greater variety
of food, and beef cattle would become cloyed and of oosed and beef cattle would become cloyed and
diseased with its exclusive use. A thoughtful at tention to these broad facts will change much injudicious feeding into cheaper meat production.-
Cuttirator.
"Magie," or "Poland China" Hogs. Sir,-As the subject of hog raising is being so
generally discussed by the farming community of generally discussed ly the farming community of
your country, as well as in the United States,
trust and hope that trust and hope that a few lines from my pen may
prove interesting if not instructive to those of y numerous readers who are especially interested and
devoted to the raising and improvement of that
the other most noted breeds, has invariably termi,
nated in favor of the "Magie" or "Poland Ching" hogs. These hogs are unquestionably the favorit
hogs for the farmer.
D. M. MAGIE.

## Soiling Cattle.

On our own farm soiling has been practiced quit extensively for more than twenty-five years. At
first we were net inclined to recommend the prac-
tie to tice to farmers in general, but only to those whac
might, like ourselves, be located where might, like ourseves, be located where good pas
tures all the summer long are entirely out of the question; but as our reading and observation has
been extended we are inclined to been extended we are inclined to believe that par tial soiling, at least, is a practice that might war well
be adopted on nearly all, or quite all, dairy farms Feeding green food to cattle in their stalls summer was formerly advisable only in villages, or too high for ordinary farning purposes and prices writers who treated the subject through the news paper press almost spoke disparagingly of the soilwe hyse named. except under such circumstances as
On comparatively cheap away from the cities, and especially at the West, it was believed that the expenses of soiling cows
would always far exceed the accrue. But within the past few years, that might dairy interest has assumed such an important position among the agricultural industries of our counprising farmers in all the Northern and WesterStates, that feeding cows at the stall during por-
tions of the summer season, for the parpose of keeping up a regular
and uniform flow of milk is not only a commend-
able, but almost an in"lispensible practice.
During the past year we have seen urgent appeals from learging
It estern dirymen to
the farmers of Wis sin, Michigan, Misconesota, and other far Western
States to raise special forage crops tor feecding
to cows if summer, and we no longer feel diffi-
dent absout urging farmers every where to prace-
tice this system of sumextent as cach may find profitable in hay find
particular case. Suring rye, if soiwed
very thick, hay four
loushels to fhe acre,
and cut as soon as it and cut as soon acre,
levins to blossom, or a
little Tittle before, will, if well
cured, make
department of rural pursuit which yields such an
extensive remuneration for the capital invested. I am frequently askel:- "When did you origi. land China,' and what bloods did you use in their froluction "\$ \&c. 1 originated this breed of swine I usel to estallish the "Magie," or "Poland
 "Magic" of "Prolanh (china" hog is of fine bone,
 hreeds, being docile, very gool feeders, brecters
and suleklers, fattening readily at any age amd
yet ataining treat weight at maturity and sucklers, fattening realily at any age and
yet attaining \&reat weight at maturity. They
sometimes dress 350 pounls at from ten to twelve sometimes dress 350 prouills at from ten to. twelve
nomenths oll - from eighteent to twenty months old,
500 to nunt ths oll- -from eighteent to twenty months oll,
500 to 600 pounds. They have long hoolies, short
legs, legs, broad straight backs, deep siles, with synare,
heavy shoulders. They are dark collored, droop ing ears, and are of very superior style e generally.
These hogs have heen growing in public favor every These hogs have been growing in public favor every
year, and the nore they are known the better they In the Middle, Western, Nowth-Western and
Suth Western States they are more extensicely
and universally bred and raisel than all other





| Shorthorn race of cattle, we have controverted the claims set up on behalf of these few fancy strains of being superior to all other strains of the breed in useful or profitable qualities. This we have done farmers of America, who are resorting to the Shorthorn blool for the improvement of their herds as beef and milk prolucers. In this discussion we have done nothing more than we deemed essential and necessary to truth and justice. That we have been right in insisting that the few fancy strains did not possess the superiority claimed for them over well-bred Shorthorns in useful qualities we by the testimony of at least nine-tenths of the practical breeders of America, if we had authority to examine them under oath: We have no hosIndeed, we are always glad to get a fashionable pedigree, when we can get a good animal with it. It was only the other day that we were enquiring of one of the most zealous alvocates of the fancy strains if he could inform us where we could find a bull that was in all essential points a tirstclass animal, and had besides a fashionable pedigree. His answer was: "Why, my dear sir, you expect too much; to fill your bill will repuire at |
| :---: |

C゚umadiar Agricutural gots

## Quebec.

The resources of this provinoe that are available
 Mr MC. Les. . Ace Deputy Minister of Agricultury
and Public Works for the Province of Qurlect was then examined. He stated that in his opiniom the Prowince of (uebece had room for a large number of
inmmigrauts, hut he would not reccomend any class except agricultural immigrants, who had means to
 ahy well. In the coonty of Suthi)k there was in montey and been assistel to build their log hats,
 of which was suitalle for settlement. The pine exhausted, but there was still a gooul deal of spruce timber on' the surveyell lots, not disposed of yet.
lin regard to the crountry in the vicinity of 'Lakes
 was well acynainted with the tormer. He telieven the Saginay district would become the hest pertion communication was asainst it at prasent. The

 clay a bluish gray; the clay was not stiff, and
farmers were able to phough with one humse.

## Ontario.


insects can not get under, and smeared with cheap
printer's ink or tar, is as simple and cheap as anyprinter's ink or tar, is as simple and cheap as any-
thing. But the ink, tar, or whatever adhesive harrier be nsed, must be looked atter every few
lays. Dust, dead insects, or something else may
Dat lays. Dust, dead insects, or something else may
orm a bridge by which the live insects can cross
lin the barrier, when the work will lave been in vain
Jno. B. Miller, in $A$ merican Former says :-
oo think orcharil-grass seed ever ought to le son without clover, as the first year the growth of or charil-grass is small and even the growth of clover
vill be fine; the seconl year the crop of orchard will be fine; the second year the croll of ofchard
grass will be good and the clover will not interfere in saving the sced, as the orchard-grass will get Thead of the clover sufficient to top it for seed, and
the pasture is so much better with clover mixed, as is also the hay if you should waut to mow it. My plan for sowing iny orchari-grass sced is,
mix six pounds of clover seed, place them in a mix mix six pounds of clover seen, place them in a mix.
ing or feed-trough, mixing the two seelsthoronghly ing or feen-trough, mixing and and a-hals or two gal lons of water, making them thorouglly wet, and
theu I put plaster in until each seed separates, nien I put plaster in wintir cat. Any one who has
stirring as I put the plaster inl
urchard grass to sow that will try this plan, will be envincel at once that this is the only true way to
sow it. It will only need to be sown one way. weight to the orcharl- -srass seel that there will be nu, trouble in sprealing it, alnost equal to wheat.
Effeits of Soll ov av Orchard. - The Gard pples and pears, plums and cherries, which wa phantel in heavy clay, trenched down to an iron pan on which it rested. For a few years the trees
grew very well, that is to say, as long as thei
 ward the growth became small, and by degree less, till at last the trees ceased to grow, and
nothing flourished except gray lichens, with which the branches soon became covered.
 the "ractice of close moruning of the aboverte. Take Wir instance. lack rassh,erries, or llackiberries kepening well cut back as they grow. This makes
hrauches still so that they do not get down in the hirt, and are easily passed amoug to get the fruit, amonut of mulch mulches a much Targer number of mines. The ronts of all kinuls of plants rum murich simply mulchiuw closp around the inea of, an


 vatur, anll the prart that most neels this is the
cxtremitics of the rint. Currants and gooseherines must have a cool, monist place to on wol heaving mulching of the entire surface. so, if
fruit, amu that of the lhest quality is what is sought for, phant close, , prune elose, and mulch heaving i

Wantobba
 3 section 23 in township 11 , range 5 east, 640 acres,
to E . Roherts, at $\$ 3$ per acre: whole section 21 in
 ship, Ontaio, at $\$ 2,000$ Scrip investments are
not so much in demand lately, the price having
onnic sil hich that improved farms near the city are Groue so hich that improved farms near the city are

 that will now of interest thr the farming com
mimnity of this Province: and will enalle them th
 whittein tu him the writer says:-

1. The climate of mulh the snme as in Ontarim.

2. As an agricultural country it is better than Ontario. Cereals of
turn a better average
3. Land can be obtained in different ways ; but the manner the most of lonu fiule settlers do is by making affidavit that they are taking the land to to 160 acres of land any place they choose, except on reserves. You can also preempt 160 acres more, which merely gives you three years to pay for it,
and then you pay one dollar per acre. You can and then you pay one dolar per acte. (also get land by buying half-breed scrip, volunleers' warrants, or for cash, which you will bear in ind is the one thing needful here as well as other 4. You wanted to know if we got any fresh fish. Lake Manitoba, as well as all the lakes, are full of he very best of whitefish and pickerel, and in the and suckers go up the streanis in millions. We can fill a wagon-box in two hours on such occasions. lour-mills and saw-mills are getting plentiful and asy of access. Inplements
procured at reasonable prices.
Back Agaiv.-Mr. Thos. West, who has been Back Agaiv.-Mr. Thos. West, who has been Bis many friends will be glayl to learn, has returned
He distributed a large number of the Free Pue. He distributed ance number of the Free dat he has placed them where they will do the ist good. A number of Missourians, disgusted ith that State, intend emigrating, and some will ne to Manitoba.

## Farm Notes

Cor:Rection.--itr. T. Med rae and Mr. W. Mceard of Galloways. Many of the animals brought actween so and soto. Wi, think they were sold at nown.
Early Sowing.--Several farmers residing in Co Township of Ameliasburg, Prince Edward
County, sowed spring wheat on their farm on Tuestlay and Friday of last week. This week the cork of sowing has became yenerahe that is this in the month of February.
The Belgian (iovermment has organized measures or still further extendiny the plan of ayricultura upon the teachers of urimary schools to impart in struction in natural history in its bearings on agriculture. Belgium has this alvautige over many culture are , qualififel l , stuly and trainings for the important work. Cointe Belrupt, in his pamphet,
sets forth that Belsium evends on agricultural ducation 232 frances per 1, opo : Austria, 249 francs France, 310 francs ; anl lrussia, 402 francs. It wonld not be too much to whil, that
ceives the most value for ber money
The arrangements for the agricultural section at the 18 Un U U ersal Exhinition, are very complete,
aul at the same time simple. The disulay will he magnificent: there will be two shows for butter anc cheese-at the close of May and September, re ectively.
Dr. Schneider still maintains the superiority of
leguminons over meadow hays; on dried clover, he leguminous over meaduw hays; on Aried clover, he
adds, a horse can work well without receiving
oats, while be would sink uader fatigue if supplied oats, while he would sink uadide
exclusively with meadow hay.
A bill has been reported in the Maine legislature looking to the encouragement of mannfacturin
sugar from beets in that State. A capital idea.
Tohacco growers and dealers say that it is a fact that tobacco furnishes employment to more people than any other crop produced on the farm.
A local paper in Minnesota in making up the
agrecatci amount of wheat in land, speaks of the average yielh of that state as eight bushels per
acre. We should call that a very small sand insiynificant result in New England.
Snitel L owners should bear in mind that the f woollen croods and sinnually $\$ 500,000,000$ worth


Lnglish farmers give their hreeding ewes a pint
per hean per day of a mixture of oats and whole
ludian conen, with a full allowance of well-cured

April,1877
THE FARMERS' ADVOCATE,

## Thite stary

## Scenes from my School Life.

 by hevry prith
 te been prassesse
 need the complain to doner chalked out
My yrandmother prophecied that, as an unluckly wight, ,
(not tho chakk) had made my mark in the worl, and should
come to no wod Asith come to no yood. As it happeneed, went throvgh a good deal,
but itdint adher, and my ortue is not yet made
But $I$ had best relate the cause of my sud den departure from
 Gentlemen, Whimeronspine conte every educational advantage,
with the ullimited motherly care of the doctor's wile. See
wivertisement.
avertisement.
At this time my family lived in a terrace, at No. 1. In the
same terrace, at No. 14, lived an elderly lady named $S$ mith
sit Mrs. Smith had become decidedly obnoxious to us- that is, to
ne and my school friends-because she objected to our leaping



 with Mrs. Smith's parlourmaid's brother, so the party wad
kiown to us soo oon as the notes of invitation were issued
kit course I mo to Of course, I mentioned the news to my "chums", during our
weekly study of the "Use of the Globes;" but what use the



 Lerrace as usual. At last one of the expected carriages cam



 salf to me, and was questioned. I confessed to supplying
the chalk, and also to being spectator of the result ot th
chauking. This was of course, enough. I was toll that m . hal been made for my removal to Dr. Cameron's "private

 "Take care of your clothes," was my mother's parting sug
gestion, "and write when you get there."
 So I left home these wood. conusels ringing in my ears, and
after somewhat tedous rail way jourrues, 1 iound lusself at
Ruxboroush stateon





 trienus, in in totime:







my dormitory, in which I perceived two other beds, and was
left to find my companions, if I chose, after I had unpacked
and put away my clothes. I was wandering rather disconsolately about the extensi
garden, when It
"T $T$,
 "This is Frank Hardy, 'said Dr. Cameron; "I hope you
will do your utmost to make his sojourn with us agreeable, Mrs. Cameron bowed to me; two of the pupils did likewise,
two others looked at the biggest boy, who, without looking

$$
\begin{aligned}
& \text { at me, replied- } \\
& \text { "Certainy, } \\
& \text { and then when peplunged Inteat him }{ }^{2} \text { a his tea. }
\end{aligned}
$$

Certainly, fir, we'll treat him as you wish in all respects,
and then hep plunged into his tea.
I did not enjoy the meal, and was
 felt the influevece of the sweet country air and scene.
"Well, Ghalker, what do you think of this ehy" gaid the big
boy I have mentioned, whoose name was Fleming; "better boy I have mentioned,
than Dubstone, isnt tit
Yes," I replied, "tut my name is't Chalker."
"Sill if I Ihoose to call you 'Chalker,' you must be called
sounve no choice." "I Jou've no choice.
"I shall not answer "I shall not
one for all
"Then," said
and
" "Then," "said Fleming, calmly, "we mustput you in the river,"
I'm ory
sot do it so soon, Chaiker ; but we must duck you," So saying, te callede the others, and by his directions $I$ was
carriec to the river close by. It was neither a very dee
 and somehow didn' feel afraid, but I toad to learn, that swim-
ming with and without clothing are two very different things "Now, Coster, catch his heelss tightly, you muff."
I here made such a violent demonstration that the
I here made such a violent demonstration that the "Barrow-
K inetht, and Mr Coster was usually termed, was nearry pre
cipitiated into the water. "Now Chalker are y
I made no reply.
 the surface I Itruck out for the opposite bank; now I began
to feel the weight of my lothes tell.
True, $I$ had denuded myself of my coat and waistcoat in my strugg les, but the cer-
rent was rret $y$ trong, and, worse than all, the mill sluice
was open. reat open.
witook out
 Ceived my dancer. "Get across, Hardy, slant over."
These cries fell uplon my rears but indistinctly, as the roar of
the "lasher" began to assert titself cruelly above other sound




 to convey to keep quite quiet Auit until his carriage should arrive
tot inmediately appear, and
as I Ifet sufficently recovered to walk, $I$ was assisted to the mill, where I was packed bet ween blankets until my clocties
weed dried My companions evinced by their sympathy and
ready assistance, the remorse which had taken posssession of
 them penitently beg my pardon and forgiveness, added to th
expresed hope that IWould say nothing of the "necident,
they cherfull termed the ant

 to Dr. Cameron's house. My appearance in company with
the surgeon caused some astonisliment, and the subsequent
 the usual hour.
 wis constantly visited by my parents, no presence gave me
halt the pleasture that Liflie's imparted.
selfishly
Carefully, and un-

 Lifilie Cameron. Well, perhaps it was "nonsen
meant it then and afterwards, as yu shall hear.



 He his brougham daily, and at len
weeks, I reeeritered the clusss -room
 "Io," I exclaimed, releasing my attenuated limb; "do for


"Bnt it's not for two months yet; Miss Cameron is working
us a flag, and wants you to ow..
That's different", I That's different," I said; 'if Lillie wishes it, of course Y 'll
 classis, postponed the discussion. He was apparently eatig-
led, for in half an hour he dismissed me upstairs, saying he
 "Here's a leterer for you," she said as a I entered. "you had
better rean it it onee," and se turned away to search for



 "Frank, now you are talking nonsense; the idea of your
speaking to me in that way! or ounse, you cannot oare for
me as you do for your home; beeides 'Well, Lillie, besides what?
"II's absurd, Frank. There, I didn't mean to say it, but
it is of oousse, absurd to tails of loving me now you are well.
While you were ill, you know $I$ didn't and

 "No denr, it is not absurd," I reppied, "I shall always love
you. Why, I am now past sixteen," I added, proudly. "But I am now seventen,", she said demurely, "and,
Frank, you mustritt kiss me again. You won't try, witl you 9 " Her innocent pleadidng face was colose to. mine, and I mut
tered, "Never, dear, if you will forgive me." "I "will forgive you," said Lillie; "there "" and,
lips upon my forehead and ran out of the room. When she appeared at ancheon, 1 fanciec 1 could detect
tears but she was gentle and winning as ever, and took great
cer
 The Saturday came all too quickly for me, and at $3{ }^{\circ} \mathrm{c}$ cock
the trap was orderet to convee me to the station; but $r$ ry
Cumningham, who had called to see the Doctor, offiered to
 and ran out teifind her in the garden. I soon descried he he
dark dress near the hedke bordering the crouutt-round, and

 "ol, Frank, are you angry with, me for what I said the
other day? You know I was right."
"Ye" " course "Yes, you may," she cried. "We are friends, great friends,
are we mot? and m, best friends al ways acill,me by my Christ,
ian name. You may then, Frank, you see," "Dear, dear Lillie," I burst out. "you know how much I
like ou. Can you like me when I am away-say?" "Hush ! Frank, indeed you mustr't talk like that; there's
papand Mr. Cunninham waititg for youl. Good-bye. Hore,
take this, I plucked it for youl." take this, I plucked it for you
I half frew back

$$
\begin{aligned}
& \text { Thalf frew , beck, but as I looked up I met her dear hones } \\
& \text { yes, and hesitated no lonsoul }
\end{aligned}
$$



and wacd mo mind
Iturned kisel









 change. you have erown. and I may, perhaps, be permitted to
say, improved,", said Lillie demurely.
or "Not really changed, Lillie," I whispered as I wênt upstairs

 nnd a feel ing of despair pervaced us, I amm arrau, wo think of
tired dor the ingt.
During the following week I hal little teisure to the


 to
ch costiscr.

## 

Dear Nieces，－Knowing of the busy life of farmers＇wives and daughters，particulably ind a few spring and summer seasons，fashions may be of use and interest，as many of my nieces will be availing themselves of the opportunity of making their summer dresses before the approaching hurrid season．
The graceful Princesse polonaise will be worn for house and street dresses alike．This pattern is useful for making over old dresses．Use the long－ est widths of the skirt for the picces，beging far the shoulders and extews；then join other pieces to down as the cloth and trim across with scarf drap－ ary to hide the joints．Knife pleating still pre vails on the newest dresses．The polonaises are worn so long that very little of the under skirt is seen，hence they are made very narrow and cling ing．Janares bows will fasten the front，and many long looped bows trim the pockets and ornament the back of polonaise．Box pleatings and gatherect flowers are also worn with knife pleating．Basques and over－skirts are worn much the same as last
winter． The Princesse dress is being made up for little girls＇summer wear in gray and buff linens，whit repped pique，andidery or Smyrna lace．It is fas with white embrod in front，is only half fitting，and therefore cool，and sometimes has box pleats down the front． These pretty dresses hang all the weight from the shoulders，are in one single piece，and are as suit－ able for the strect as the house，all of which are desirable things in children＇s dresses

## Mismie Min．

Perhapss some of our reaters who live in the country are not aware of the extensive floral trale carried on in New lork ant other large cities． How elevating．pleasing and refining is the study
and care of these little leauties，though wany Howers as an expense，and not a pleasure or profit， oud though they are all alle to admire a mice bou－ ande tho
ynet，of
have．
Ther

There is no other brauch of trade in which sen－
timent and the hard practical duties of lousiness are so closely blendel as in this tratfic in nature＇s
loveliest and most fragile handiwork foliage and lovelicst and most frayile handiwork foliage and
bloon．Large as is the seeming discrepancy le－ tween the wholesale prices of flowers prid to the growers and the retail prices demanded from the
pullice，it is in reality suall when the incvitable pulblic，it is in reality small when the inevitable
Iosses，expenses anl risk of the husiness are taken
into acconnt．The lluctuations of supply and le－ losses，expenses The fluctuations of supply a
into acecount．
mand are une ualled in any other business．
On Broadway，Fifth and Sixth Avenues，and the up－town cross streets near them，，between，Thirl and
Forty－seventh，there are 30 large florists＇establish－ ments，each of which pays a rent of from $\$ 1,000$ to $\$ 4,500$ per annum，and does a busincssof froms 6,000
to $\$ 40,000$ yearly in ordinarily goord times．Outside these there are probahly yo sinall shops and parts of shops in which the the sale of
on in oifferent parts of the city．
From 1860 to 1870 were the Horists，grool diyss．
The European style of ornamenting both our homes and public places with the transitory beauty of blossom and leaf upoun all pullic necasions．With－ out doubt，too，the lavish expenditures of the ill－
gotten gains of the old Tweed＂ring＂yave an
保 gotten gains of the ofd tweed Thousanls up，un
impetus to the forist＇s trate．The
thousands of dollars were often lavished uponsingle events，as，for instance，at the wns booguets and par lor decorations are said to have cost nearly \＆\＆，000． Wedlings，christenings，balls，banquets，funerals，
receptions，und
ull ollter ocasions of pullic as－ with tlowers．
Few if any citics mossess greater varictics o
Howers than New Yurk．First upon the list naitur
ally seems to coms the rose，of which there are
many varieties．There are four varieties of cam－ nany varieties．One man alone raises 50,000 choice camellias each winter．Of carnations here are any xtent．
iolets are cultivated in abundance；they ar developed a passion for growing violets．The impart a delicious fragrance to the breath，and
even at a cent apiece are cheaper for the purpos by comparison with the candiedones inmorted from France，and sold af knoties of heliotrope， Of the 20 or more known varieties of heliotrope，
nly three or four are commonly cultivated here． The lillies of the valley seem to gain popularity constantly；so high have they become in favor that their price is always goof them annually．He sent one day last year，by one man， 10,000 sprays or which he received 15 cents each．Few persons would be likely to imagine $\$ 1,500$ worth of market flowers，but let them carry 1 It，500 worth of＂barket load＂of these choice nutle sprays，and they will soon be convinced of
itchids are difficult to procure and very costly；sometimes $\$ 2$ ，$\$ 3$ ，or even $\$$ rocure and very cor single flowers．Large and
$\$$ has been paid for
trong orchids are sold from $\$ 25$ as high as $\$ 300$ ． srong orchids are sold from $\$ 25$ as high as $\$$ rich．
They belong only to the conservatories of the ren They belong only
Peter Henderson，Elliott Wilson，and others of the best informed of the large tiower grow Ys，notless that there are in the vicinity of New Yo
than $\$ 0,000,000$ invested in the wholesale florists business，in land，green houses and stock．There In the matter of permanent house decorations， grasses，immortor
into great favor．
Incidentally，before concluding，it may be con fidentially mentioned to the young man of the period，as a mater be safe for him to view with grave sus picion elegant baskets and bouquuets of flowers which
shance to be received by his charmer－just when ha happens to be making a call upou her
Young women are becoming terribly sharp in
these clays，and they have taken a wrinkle from these days，alle they have taken a wrinke ers the be thrown to them on the stage．It is now by no
means an uncommon thing trip into a florists store order a $\$ 10$ basket of flowers，and be very precise
in directing that it may be sent，with a card bear－ ind directing that it may be sent，with a card bear－
ing her nane，to her residence，exactly at 4 ． ing her name，to her residence，exactly at
p．m．，or 8.30 p ．m．，or some other especially p．in．，or
chosen moment．Why so particular？Simply be－ canse she knows that at that precise moment some
one will be with her，whose jealousy she hones one will be with her，whose jealousy she hopes to
stimulate with fantastic vision of a rival flower－ stinuliage with to such a height that he may rashly propose，and receive the acceptance which has ，een forg perhaps a twelve month．Ah，that cunning device has proved fatal to the guidance of many a nice young man．There was one girl，well known
last sumner in a certain Broalway flower store who keplt it up for seven months，and conquered at
last．It is，indeed，not every one who love flowers for their own sakes，like the poet who， ＇Neath cloisterel boughs each Horal bell that swingeth，
Amil toins its perfume in the passing air，
lakes shalboith in the fields，and ever ringet Makes Sablinth in t
A call to prayer．

## Recipes．

Poil them till tenler，in salt water；remove the skin anc map of hreal crumbs，and one egg，with pep lier and salt to taste．Form them into cakes，and
fry till hrown in butter ；serve hot．Or，whe ry till brown in butter ；serve hot．Or，when
boilen tender，pour oft the water，cut into pieces
lensthwise add lhutter aul milk and boil a f lengthwise，add butter and milk，anct boil a fee
minntes with water．Serve hot．
yovel．way of makisi jetiy care． Take the whites of six eggs，one cup of white
cugar，same of tlour，one teaspoonful of butter sugar，salme of tolur，one teaspoonful of butter，
two tallespoonfuls of sweet milk，two teaspoon－
full fuls crean tartar and one of soda．Bake in a large
oblong dripping panl，so the cake will be very thin；
mean while stir panother batch，making just the
the wh．tes；when both are done，spread while ogether，bring，the preserves of any kind；put ard you，and roll immediately；or cut in four or eight parts，put together alternately，putting jelly between each layer，and frost lightly over the top Another method is to make three pans，making
the third layer of one．third red sand sugar，pro－ ceeding the same as for the other layers；in put－
ting together let the first layer be the yellow， ting together let the first layer be las ye the whites．Nicely frost the top，and you have a Whites．Nicely frost the top，aty cake．They are very pretty made into rolls．
to clean brushes.

Hair brushes，or any other brushes which be－ come oily，dirty or greasy，may be cleaned in a few minutes by washing in moderately worn water， been dropped ；after washing，shake out the water， and leave the brush in the sun to dry will not be softened as when washed in soap and water．
tcing that will not break．
The whites of three eggs beaten very stiff，add one pound white sugar，with one tablespoonful
corn starch，flour the top of the cake as soon as taken from the oven，put
knife wet in warm water
paked indian meal puddivg
One quart sweet milk，boil and stir into it one half cup butter，one cup sugar；bake three quarters of an hour ；eat with sauce；very mice．

Delictots．Brown peming．
One cup Graham，one of meal，one of sugar，one ne egg，one teaspoonful soda；stir all together ad bake one hour；with sauce this is a delicions pudang．black stle
Do not iron black silk．Peel about two potatoes，
sice them thin，and pour one pint of looiling water slice them thin，and pour one pint of hoiling water
on them．Leave it standing four hours．When on the for immediate use，put in about a quarter of
ready
siponge the silk well on a teacupful of alcohol．Sponge the silk well on Then roll it tightly around a thick pole．This re－ news its freshness，and cleans it well．
home－made cream candy．
To a coffee cupful of white sugar，add two table－ spoonfuls of water to dissolve it，and boil，without
stirring，in a bright tin pan，until it will erisp in stirring in a bright in pand
water like molasses candy．Just before it is done put in a teaspoonful of extact of vanilla，or 1 Emc or peppermint essence，and a qualiter of a teaspoon－
ful of cream tartar；when done，pour out into a buttered pan，and when cool enough to handle work it as you would molasses candy，until it is slab or moulding board；with a chopping knife cut into mouthfuls and lay it on buttered
paper on a plate．When children want candy，by paper on a plate．When children want candy，by
all means let them have that made at home，and they will not eat plaster of Paris，chalk，starch， nd poisonous compounds which derange their stomachs and ruin their teeth
A Rectipe for sore dips ayd fyes.

One teaspoon level full of sulphate of zinc，or white vitriol，dissolved in one pint of rain water
Moisten your tinger with the liguid and apply itt the part affected，two or three times a day，until a cure is effected．
The above recipe I know to be a good one for
sore eyes．It cured me of sore lips after leing sore eyes．It cured me of sore lips after leing
badly troubled with the same for eighteen years during warm weather．
I would not be without this simple remedy for
10 per year．It is now one year since I have been 10 per year．It is now one year since I have been
cured of sore lips．I still ocoasionally use the cured of sore lips．I still occasionaly use
remedy to prevent my lips getting sore．
blayc-manie.

Put on to boil a quart of new milk，alding four table－spoonfuls of once，remove from the fire，and when cold，stir into it one ounce of gelatine， been dissolved in as with almond or v possible．Flavor with．
into a mould to stiffen．

Don't Forget the old Folks.
Don't forget the old folks,
Love them more and mor
As they with unshrinking feet
Near the "shining shore."
Let your words be tender
Loving soft and slow;
Loving, soft and slow;
Let their last days be the best
They have known below.
Don't forget poor father,
With his failing sight, With his locks once thick and brown, Scanty now and white.
Though he may be childish, Still do you be kind-
Think of him as years ago,
With his master mind.
Don't forget dear mother
With her furrowed brow
With her furrowed brow,
Once as fair and smoothe and white As the driven snow.
Are her steps uncertain?
Is her hearing poor?
Guide her gently till she stand
Do't for
Don't forget the old folks, As they with unshrinking feet
Near the "shining shore.
Let your words be tender,
Let their last days be the best
They have known below.
Love Letters.
This is an age of reform, moral and political ; and
as reform is needed in this matter as much as any other, I wish I could say a few words that would sink deep en the heart, and never be forgotten by miscalled romance of love-letters. They are almost nonsensical, love-sick trash, but it is an egregious blunder, for they are most eminently practical; and
whenever we hear them so spoken of, especially by our poor old bachelor friend, we long to whisper in though it has been a score of years ago, when he Nelly Bly, and ouly missed having a happy home and family because Miss Nelly, perverse creature would marry Tom Brown on his return from sea, mate start out with him or which reason our friend the old bachelor has had a general antipathy to water ever since, and a strong dislike to captains and first mates in particular. We would like to remind him of the
valentine, with tender verses attached, that he so adroitly had handed to her without "anybody's knowing."
little nonsense, now and then, is relished by the wisest men. But I must come to my reform, for as I have said before, there is need of it.
be separated from her by time and space, and what are the results? Let us follow them. The brave Apollo leaves, vowing eternal love and fidelity,
with promise to write every day, if not oftener He feels gay and buoyant, with the prospects of fair business life ahead. : the weeping maiden is left
behind to solace herself from "past hlessings," and behind to solace herself from " "past lilessings," ant
wait for news from the alsent onne, obligel to learn wait fordest of lessons that "They also serve who
the hardent Now the practical
Now the practical part of life commences as the
correspondence begins. For a while the letter come and go regularly, and everything is nice; but suddenly the letter comes not: several anxiou days and sleepless nigs. .When the truant letter is
diseases and disaster
handed her, quickly is it torn open, to see "What can be the matter, that he has not written before? "owing to press of business, I carried this letter in my pocket for several days, entirely forgetting had not posted it, hope the delay caused you no
uneasiness of mind." The bare ossibility of such an idea, when he must have known it caused
her the greatest anxiety; and does he not always close his letters with, ""Dor't fail to write me on Sunday, or I shall thimk you are silhs, "Shall we
forgives the "dear fellow," and sighs,
ever meet again?"

For a few weeks the letters reach her regularly ;
so she takes courage, and presses forward to the mark of the prize of her high calling, which is to be
"John's" wife. But it is only for a short season "Sorrow cometh in the morning." After a wearisome delay, the "" long looked for comes at last,"
which, after reading, makes her feel that " life is which, after reading, makes her feel that "life is
all a fickle dream," for if there was anything she was unlawfully proud of, it was John's yoice, his
wand
weautiful tenor voice. Now he tells her "he un was unlawfuly proud Now he tells her "he un-
beautiful tenor voie. No
fortunately took a heavy cold ; was confined to his ortunately took a heavy cold ; was confined to his
bed for several days ; there was no danger, but a ger ear inconvenience, as it has settled in his throat,
and in all probability would entirely lose his
The time has now arrived when " the girl I left Thind me" tries to have her mind prepared for anything or everything in or out of season; but, at last, forbearance ceass
reads in his last:- "On Monday morning, in pass-
ing down High street, I barely escaped death, ing down High street, I barely escaped death,
having just passed a building in the course o rection, when it fell, kil."
wounding several others."
She quickly folds the letter up, puts it away,
feeling thankful that there is a Providence espeially provided to take care of absent lovers who can' take care of themselves. Now, can you tel
me of any more trying period in the existence of a woman's life than this very time I have been
talking about?
Her, letters I will venture to say, are as regular
as clock-work; and, if she did fall and sprain her ankle, or barely recover from a serious attack o the diptheria, she will be careful not to mention it
until the worst is over, for fear of worrying
" "John" while as to accidents and hair breadth "John;" while as to accidents and hair breadth
escapes that "might have been," they are never escapes that " might have been," they are never
mentioned. All of the foregoing contribute to the romance of courtship ; but we think it is the mos
trying period in a girl's experience, for, "as dis.
tance lends enchantment to the view," under such tance lends enchantment to the view," "under such
circumstances, so it is that imaginary or slight ills
are harder to bear, when the loved one is absen from us, than real trouble is if encouraged by each other's presence. , But then we should not, for "al
the world beside," be without these dear old lover and husbands, for, "with all their faults, we love

## Vegetables in the Farmer's Family.

In years past some English and Scotch gardener have been experimenting in the growth of the pea,
with marvellous success. Varieties have been pro duced that should never be absent from the daily
board of the farmer's meals. The tomato is equally good as a toothsome condiment. The onion, also although in many farmers' families considered luxury, is, according to eminent physicians, a great
corrective and alterative of the human system when freely consumed, and a preventative, as well as a remedy, for some affections of the kidney
that are becoming so alarmingly fre that are becoming so alarmingly frequent among
our active men of middle life. The same influence upon the liver is attribated to the free use of the tomato. Equally effective is the celery plant upon
the nervous system. But the great questions of food and economy are the ones which come nearest home. It is of no use to talk of the heart and the moral senses until the stomach is right. To hav cannot see their way clear to grow more of these articles on their farms, they must eat more and
better vegetables. The list is large, succulent and ealthy. They cen be grown succecssfilly not only or summer, but for winter consumption. Let our
ives and daughters devote a little time to prepar ng them for winter use in the family. We have
so burdened ourselves with business and super so burdened ourselves expended in taking care of things, instèal of pro-
curing food and raiment. spring opens begin at the garden, and let our tables

When Not to Laugh
Unless you would be set down as vulgar, don't
augh at people's mistakes or misfortunes. There's laugh at people's mistakes or misfortunes. There's slipped down on the ice, and is hurt, perhaps; or turned, and the poor old man's oranges and apples
res andered in the mud ; or some lover of a very low yuality of fun has pinned a ticket for sale on person's back as he walks the street; or an alsent
minded lady, thinking more of the poor she is
going to visit than herself, has gone out with one boot and one slipper on; or a near-sighted person,
whom you never saw before, addresses you as Jane or John, and cordially inquires after your grandma, when you haven't any; or the new boarder next door, in a block of a dozen houses all precisely a dead stop on the stairs; or the bashful student comes awkwardly upon the platform and breaks down in an attempt to declaim ; or the same sort
of sensitive youth, through extreme diffidence, of sensitive youth, through extreme difmience,
commits in company the very error he was trying to avoid; or whenever anything trying or humble appens to any person-that is not the time to
laugh, if you do by others as you would be done by. If you are the person laughed at in such a case, consider that, at least, you are a great deal better than those who laugh at you. The too
bashful girl or boy almost always turns out better
than the too bold than the too bold. The people who are always right side out in looks and dress and style, are not
necessarily by any means the best or the brightest. Nothing more surely indicates good breeding and a large heart than not seeming to notice a blunder,
whether of friend or stranger-unless it is by a whether of friend or stranger-uniess it is by a
word or simple act of kindness to show sympathy or render assistance, when this can spare the feelings or lighten a misfortune.-Christian Era.

## A Plea for Boys

Every boy, if he is in sound health, has an excess
energy which must find an outlet. The mother is alarmed and worried at what she calls his mis hievous proclivities. He is always breaking things, never still, is always in the way, wanting to act nd sister in a constant fever. Their bete noir is a ainy day, when Charley can't go out doors to hay; a school vacalion is a burden hard to be distant boarding school, not so much for his education, but to get rid of him.
If, as we hold, the interests of husband and wife
are one, and it is essential to train the girl for wife. re one, and it is essential to train the girl for wife-
hood in all household duties, it is equally so to train the boy for his part in the same direction.
He should be under the law of home order; tought oo be as neat and tidy as the girl; to arrange his bed-clothing and furniture instead of leav. have provided lime needlos, thread and
huttons, and be taught their use, that he may not buttons, and be taught their use, that he may no
be suljected in manhood to that terror of nervou men, a buttonless shirt. He should take lessons
from the cook, and lie capable of preparinga whole some dinner. He should learn how to do the mul. ing at little things that are constantly demand lelge, however trivial, that will not at some time It is said that a "Jack of all trades is master of may know enough of the general principles of me chanics to be able to repair wastes and to kee
things in order. If a swollen dose know how to ease it. If a hinge creaks, how to get
at and stop its music. If a lock or clock is out repair, how to take it to pieces and arrange it pro perly. If a pipe or a pan leaks, how to use iron
and solder for its benefit. If the seams of a tub are open, how to cooper. it. If a qlams is broken
in a sash, how to set another. How to hang paper on walls, and use lrush and paint and putty.
How to make a fire and lay a carpet curtain. Everyboly may learn enough of these thinks to do away with the necessity of calling in
a colloling' mechanic to his house when he is a ${ }_{\text {man. }}{ }^{\text {We }}$ We say, then, teach the boys, or put them in a
position to learn how to do for themselves what your experience tells you they will need to know
when they are housekcepers. Let them have ancess when they are housekecpers. Let them have access
to your kitchen, and lee friendly with its goddess Receive with approbation the cup of coffee or steak they have prepared for you. Initiate them into the mysteries of marketing, trust them to make
purchases on their own discretion, and don't be phasty to conidemn their first ventures. Teach them as to quantity and quality and value. Wink at
their failures, and make them feel that they are helping you. Give them tools, carpenters and plumbers' especially. Give them some little corner for a workshop all to themselves, and you will not
only make them useful but happy. You will keep them near you. They will not feel that home is so dull that they must seek entertainment away from
your eye, hat will delikht to be where you should
have then, near you, doing youl gool

## Why and When Lamps Explode.

 All explosions of coal-oil lamps are caused by the vapor or gas that collects in the space abovethe oil. When full of oil, of course a lamp contains no gas, but immediately on lighting the lamp, consumption of oil begins, soon leaving space for gas, which commences to form as the
lamp warms up, and, after burning a short time lamp warms up, and, after burning a short time sion. The gas in a lamp will explode only whe
ignited. In this respect it is like gunpowder ignited. In this respect it is like gunpowder.
Cheap or inferior oil is always the most dangerous. Che flame is communicated to the gas in the
following manner:-The wick tube in all lamp furners is made larger than the wick which is $t$ pass through it. It would not do to have the wick
work tightly in the burner ; on the contrary, it is essential that it move up and down with perfect
ease : 1 ln this way it is unavoidable that space in ease: In this way it is unavoidable that space in
the tube is left along the sides of the wick sufficient the tube is left along the sides of the wick sufficient
for the flame from the burner to pass down int the lamp and explode the gas.
Many things may occur to cause the fla
pass down the wick and explode the lamp.
pass

1. A lamp may be standing on a table or mantel,
and a slight puff of air from the open window, or the sudden opening of a door, cause an explosion. 2. A lamp may be taken up quickly from
table or mantel and instantly explode. table or mantel and instantly explode. 3. A lamp is taken into an entry where there is
a draft, or out of doors, and an explosion ensues. 4. A lighted lamp is taken up a flight of stairs, or is raised quickly to place it on the mantel, re
sulting in an explosion. In all these cases the mis sulting in an explosion. In all these cases the mis-
chief is done by the air movement-either by suddenly checking the draft, or forcing air down
the chimney against the flame. the chimney against the flame
the light is a frequent cause of explosion. 6. Lamp explosions have been caused by using a chimney broken off at the top, or one that had a
piece broken out, whereby the draft is variable and the flame unsteady.
. Sometimes a thoughtless person puts a small sized wick in a larger burner, thus leaving 8. An old burner, with its air-drafts clogged up which rightfully should be thrown away, is some mes continued in use, and the final result is an

## Family Matters

The best friend.
If you give love to others, they will return it with interest, and, if you hate you will be paid i
he same coin
No true artist ever yet worked for anljition. Ho
loes the thing that is in him to do by a force far stronger than himself. The first fruits of a man's genuis are always free fr
It is a secret known but to few, yet of no small
ase in the conduct of life, that, when you fill into man's conversation, the first thing you shoulth consider is whether he has a greater inclination
you, or that you should hear limu.- STEELE.
The woman who has no sense of beauty, and who
lives only for herself-the woman who has no sense hives only for hersch - the woman who has no sens
of love, and who camot comprass its div vine sacritice its expuisite self almegation; and she who has no womanly the woman by whon men are cmundile and the worlid kept pure
There is no soil for the routs of at true man whic? is trouble; for that which other folk think to loe trouble is not necessarily trouble to you; and that which in you is tronble miyy hat man, in lis own
trouble to other people. Fach mon nature ant circumstances, mins what him ; and it is the thing which yon cama

Men Wrthout Oct ratros. - The man who has matter how much wealth a man possesses, he can neither be contented nor happy without occupa-
 worldy trials, aud our sorrows. It keeps us from constautly worrying and brooling over whit is inhabor for the goon of others, and such a task is one man can possilly cngage in

## sumcte Tom's 刃llpartment.

My Dear Nephews and Nrees,-Here it is April again. What if it is April? Sure enough what. Well, we all know that a quarter of another year has passed and gone, and our beautian spring is again with us. When we look out acolds is un shining so brilline wa that we can soon prepare gardens, for he sea on of flowers and swe to binds yet though we must have been very unfortunate with mine, having have to them window, conse uently, had them frozen, and was obliged to cut them down. Fresh shoots have sprung up again, and are now looking fresh and beautiful. I let them get all the sunshine that is possible and wash them frequently with water, for if in a room wher you are constantly in, a great deal of dust adhere to them, which must prevent them from breathing freely. I also find it is a good plan to put a arops of ammonia in the waices are, no doubt Some of my nep haldays, probaly, ere thinking of neir, will be at home enjoying them, no doubt devising all manner of plans for making an "April fool" of some of your companions. One of my little nephews says his father has given him an acre of land to cultivate, and plant and sow as he pleases. He says he intends to plant some corns and beans, also some potatoes, cabbage and cauli flower. He thinks he will also try a few melons, cucumbers, and a bed or two of onions. He is going to see how much he can make from his acc and buy a calf and sheep, which his father says he will furnish food for. I think this a good plan, and would suggest ham far it not only furnishes them with a little private money, but teaches them to calculate and take the responsibility of their miniature farm upon themselves. hope to hear from many of my little nephews, and of their different modes of cultivating the little corner that their father may allow them to have,
Uncle Ton

## Puzzles

52-numerical eniem
I consist of 20 letters.
My $17,14,9$, is a month
My 2, 19, 4 , is a house for travellers;
My y $, 5,3,16$, is a place for stamping coin; My. $7,8,15,20$, is a kind of sale
My $12,11,11,9$ is a whirlpool.
My $13,18,8,10$, 6 , is a kind of grain collectively My
My whole may be been in the Faramer' Advo
Aate every morning. 53-mingond rezzale
A consonant; the whole ; a color: fragile ; broken
tame of a race of Kings of Enyland ; species antelope; currents; is coin; a number ;ia conso namt. 5t-sucare word Not soft ; extent of territory; true; a valley. 55-mqCare word.
to go. ; hoar frost; a sign ; part of the vest 56-memerical pezzle
I am composed of 15 letters.
My $4,13,5,13,11$, is good feed for animals ;
My $8,1,14,15$, is a troublesome insect.
My $9,7,2,3$, is a kind of grain ;
My $9,1,6,10$, is a place of proverbial
My $9,1,6,10$, is a place of proverbial industry
My whole is what every farincr should do. 57-three contadecit

1. Why is a man who has han his ege put ent like the majority of schoolmasters
2. When is iron most ironical? 3. What chemical instrnment is like a writte
reply?
Maky Lee.

## 58-enigma.

If you would my nature know, Seek for me in frost and snow; on the slope of the lofty mountai, On Norway's coast I have been found, But in Sweden ne'er have been; In populous towns you hear my sound In Russia you might seek in vain, It would only give you needless pain
But where the mighty ocean rolls, But where the mighty ocean rolls,

## 59-charade.

My first I must confess to you,
Is contrary to being true: Is contrary to being third a number is Ald you I think will do between; My fourth an insect may be reckoned.
In rank my whole is termed the second.
If ever you my final see,
You say fivy fe My third a portion of our dress And if my whole you wish to guess,
It means to trip or dispossess.
My first is great without a doubt
A ring you'll find my second; If I have rightly reckoned. Now in my total when combine

60 -anagrams -elcopean towns.

1. Ten marches.

A noble ca 61-FLOWERS.
Waste them Willie. Eat coal Charley. Cath.
rine's hat. The King's a victor. Cannot hear it. erine's hat. The
Ha, love till I fl
Make names of flowers from the above letters.
62-hogotriph.
Complete, a noble river
In England I will name Curtail me and transpose me I am of Irish fame, Behold I'm used for food Transpose, I draw the wagon, A heary load of wood, Aou'll own I am not wild ; Another trangposition
Discloses man or child ${ }^{\text {But }}$, It always goes in company.
63- I am a pretty flower's name; And take the latter half away, A color I then display

Names of Those Who Have Sent Cor rect Answers to March Puzzles.



 We place a star as a mark of honor at the name of the on
who answers the greatest number of puzziles.

Answers to March Puzzles.




SIr，－Could your correspondent＂Windy
Knowes＂kindy inform me through the medium of your paper what was the nature of the soil in
his experiments with yysum？
R．MoE． his experiments with gypram？
Byron P． 0 ．，March 23rd， 877 ．

Wonld you inform me if the English cob nuts
will thrive in any part of Canada． W．，Napanee． ［We have never seen any grown here．One per－ have generaly failed toprodace fruit when tried
here． here．Perhaps some of our readers might give us
their exprience in the nut question．We have no their experience in the nut quastion．We have no
doubt butm man varietien of nut will prove very
remunerative here to to the enterprising who plant remunerative here to the
suitable varieties．- ED．］

> collarps harrow

 of any other irinn hatrow．
will be eafe in geting oine，
Our dairymen，manufacturers and farmers should read the advertisement of the Royal Agricultura
Society of England．Some of our subscribers，no doobt，will attend it；we should like to be there
Our Govermment should encourage Canadians Our Goverment shoold encourage Canaxians
exhibit．A good display，obliging attendants，and a few suitable circulars，might tend to open up
more direct trade with our fatherland，and might more direct trade with our fatherland，and might
induce be betre class of emigrants our cuntry
than have been sent here by bemigration agents．
elotes ou the Gaxdew and £arm．
Those who live near blacksmith and Luachine shops，and can get iron filings and rusty chips on
iron＇，and wworking them into their
will ower beds
will add iron，and workng then int their tower beds
will add greatly to the rich and bright coloring of
their flowest their flowers．
 Writer in theo Rural New Yorker says ：－＂＂What
more beatiful than green leaves falling around the casement in graceful festoons？If a brape vine
is out of the question，the next best thing is a ho vine．I have a luxurious hop vine now，that shades two of my kitchen windows，and the cold tendrils
clinging so closely to the house，with the aid of clinging soc closely to the house，with the aid of at
friendy nail and string here and there，that it mades nasiand the wind ows，even in an astorm or
mhower，wholly unnecessary，securing a capital ventilation of the uniecessary．securing a capital
And there is such a silky ，socialolo rustle of the leares all day that
like to sit close up to them and listen to what the
，The say．Then fill a few vases with roses，and place
out on the window sill，and the green back bround makes a dolight full reeeiving pieture．， Grasshopper fighting is the thiture．＂of the day in
many of the Western States，and rasshop der in many of the Western States，and grasshopper clubs
are being formed for the purpose of destryying the are being formed for the purpose of destroying the
eggs of the pests．Doep poowing is strongly re－
commendel commentel and and road waps are being harrowed
and overturned with a view to eradicate the and overturned with a view to eradicate them in
the State of Nebraska．The Minnesota Senate has passed a bill appropriating \＄100，oool for the destruction of grasshopere egs，and the raising
of more turkeys and chickens than he etofore to of more turkeys and chickens than he etofore to
extiripate them is strongly urged upon the farmers many of whom cannot retain opsession of their
farms if their crops are again caten up by the $\underset{\substack{\text { locnsts } \\ \text { FArr }}}{ }$
among farmers，whics．－A vecle correction，is tror
and opinion that animals may be fattened in a few
weeks，and fittecl for market，by heavy feeding or，as is is termed，by pushing．Many farmers do not think of beginuing to fatten their hogs or
cattle for early winter cattle for early winter market until autumn has
actually commenced．Their food is then suldenly changed，and they are dosed with large quantitities
of grain or meal．This sudden change often de－ ranges the system，and it is freyuently some time
before they recover from it．From observation and enguiry we find that the most successtul pork－
riser that we have net with coumences the raiser that we have net with commences the fat．
tening of his swine for the winter market early in the preceding spring．In fact，，he keeess his young
swine in a good growing condition all throunh the swine in a god growing condition all throygh the
winter．He begins moderately，and increases the

 liness of the animal，his spring pigs at ten mont hhs
usually oxceed three Himulred iounds，and havi sometimes gone as high as fout humultred aund fifty
pounds ；and pigs wintered over reachen a weight
of five or six hundred The corn of five or six handred．The corn，which is ground
and scalded before feeding，nets him on an aver－
 agarket price of pork is five cents per pound． The Hatcher IN Prosing．－A writer to the
Garleners＇Monthy says ：－Of all the blunders that the common farmers，and some others，make with trees，none is so common，or so hurtful and which he is so long in finding out，and of which he might
know so certainl，as the practice of cutting off know so eertainly，as the practice of chtting our
lower limbs．All over the country nothing is more common than to see mutilated trees on almost
Bio
very farm．
Bimbs cut off near the body tery farm．Big limbs cut off near the body of
the tree，and of course rotting to the heart．This is a heart sin against nature．The very limbs neessary to protect the trees from wind and sun，
and just where the limbs are needed most，they
 are cut away． $\begin{aligned} & \text { ting that amays takes place when a big limb is } \\ & \text { sawed off－too big to heal over it must rot，and be－}\end{aligned}$ ．

 rotting goes to the heart and hurts the whole tree．
It it sommon all over the country to oee large orch－
We often see holes ards mutiated in this way．We often see holes
in the trees where big limbs have been cut away， Where squirrels and even racoons could crawl in．
Cerhaps the only reason these trimmers erhaps the only reason these trimmers would
ive is，that tha 1 Iowest limbs are the easiest got at ；and some would say，they wanted to traise a crop under the tree．
Take every precaution to prevent the accumula． them from that terrible inffiction，carpet sweep． ing．It may be well enough to kill the old people
by compeling them to breathe clonds of dust，but send the chilldren into the fresh air to skate，or to
she snow wall，and sureen the plant if possible．The ．The essentials of suceess in prant culture are，suitable
soil，air，light，moderate and regular heat，a moist oill air，ight，moderate and reguar hate，and and
atmoshher，regular and moderate watering，aud
teedom from foul toosphere，reguar as．
reedom from foul gas．
The celebrated farmer，John Johnston，of Gen－ fince he came on his farm，now fifty－four years， and it has done wonders for him on corn，soaking he corn in water then mixing it with plaster Then wet．He planted the plastered corn，and ${ }^{2}$ a
hired man planted the corn that was not plastered When the corn was up，that which was plastered was stronger and better colored than the other．It
kept ahead throughout the season，and when ripe kept ahead throughout the season，and when ripe
atind man could have told the difference by feel． ing the stalks and ears．
Oxion SETS－A Mr．Fellows，of Kentacky，
Grows oniou sets as follows：－He selects a dry grows onion sets as yollows ：－He elects a dry
inece of ground．His ground is rick alluvial loam，
put the品 the character of the soil is of no special in1－ portance．Beds are formed two feet wide，with à
path of one foot between．The bels sare excavated
and o the depth of two inches，or，in other words，the
path or alley between is two inches higher than the beds；the bottom of the beds are nicely sent a level surface whereon to sow the seed．The seed is sown so that from fifteen to twenty seeds
will cover a suluare inch．If the surface of tho
俍 beds were sprinkled with．plaster or white sand，the
seeds，whe After sowing，the seeds are covered with two
inches Inches of clear，pure sand，which brings the beds
and paths to the same level．The wh and paths a light roller，or patted down with
rolled with spade．The advantages of this plan are，that there
being no seeds of weels in the sand，the labor of reeding is entirely saved，and the sets when ma C ar more easily gathered．
Celeny As A Cobe－All．－The habitual daily
use of this vegetable is much more beneficial to man than most people are aware of．A writer
who is familiar with its virtues says ：－＂＂ known many men and women who，from various
canses had ness that wheen they so stretched anfected by their hand
hend they shook like aspen leares on a windy day，and
by a moderate daily lea the blandy of celery as a salad theoy became strong and steady in ilimb as other people． 1 have known others so so
nervos that the least annoyance put them in state of agtataion and they were in oconstant ther
plexity and fear，who were also effectually cured by a moderate daily nse of eleery as as as alad ad
meal time．$I$ have known others to be curred of palpitation of the heart．Everybody engaged in
Rilor weal enium to the daily in the sesiso and onious in its stean when
not in scason．＂

PruNiNG RosES．－The time to prune rose bushess
depends entirely upon the class or family of roses depends entirely upon the colass or family of roses
to be pruned．Without going into a systematic consideration of the dififenent species of the rose，
for which we have no time inst now we for which we have no time just now，we will merely
say that there are three grand divisions of the rose say that there are three egrand divisons of pruning genuse each of which requires a mode of pruning
peculiar to itself．For the first class，or those
roses that boom but Troses that bloom but once a year－－summer rosose，
as they are called－we have always found it best $t$ ， as they are cailed－we mately as soon as the period of
prune them pretty sever
bloon blooming is over，urless sit should be very dry，in
which case we defer the pruning until） which case we defer the pruning until just as the
fall growth begins．
By this course we
 the next season，－The Household．
The American Ponolooichl Sociryx．－The
sixteenth annual meeting of this society will be sixteentis year in Boston．It will commence on
hele thesdar
Wednestay，the 11 th of September，and will last three days．

Messrs．Gibson，Tayllor \＆Hope are to have a．
short－horn sale in London，Ont．，on the licth of shorst－h
June．
 We would direct the attention of our readers，in－
terested in Manitoba and the Canadian North－ West，to the advertisement of the＂Manitoba
Free $P$ Presh＂ The
The International Exhibition，at Philadelphia，is
to be reopened this year in the main building，in to be re－opened
Fairmont Park．
The examination of scholars at the Government 2arn，at Guelph，took place on Tharsday，the in the management；it was much needed．We shall give more particulars in our next is
time or space will not allow it in this issue．


## Subordinate Granges Newly Organized




 Henry Byers， 5, Alen Alen Fark．
Division Granges．










 W．Paikgrox Pagr

 species of the rose，
onow，we will merely
din now，we will merely
divisions of the rose a mode of pruning
irst class，or those trrst class，or those
cer－asmmer rose，
vays found it bestat says found it best to
son the very dry，of
ald ald be very dry，in 3 course we get an
hoots for flowering cal CAL Socirty．－The
his S Society will be will commence on
ember，and will last

Iope are to have a
Ont．，on the 16 th of
inN North－West．－ a of our readers，in－
e Canadian North－ of the＂Manitoba mn． n ，at Philadelphia，is
he main building，in
$s$ at the Government on Thursday，the much needed．We our next iss
in this issue．

1sbumaty．

## Newly Organized





 in mile
inw
kiter
orner． Tewbor＇，D．．K．Prestou

cmax hain way it
 pon the unoryanized con
ghriculturists，it is fast as


 a number of large Cranges 1 names as charter mem－ 1 fom which applitation
people of that secticn are
and y soon be able to reap the
ond Prabriton Pagr．
Sec．Dome．
range．
No



April， 1877
THE FARM円RS＇ADVCOAT円，
95


## Toronto．






London Market． Grain generally steady，with a degree of firmness principally
arising from the small supplies oming forward．There was a arising rom the small supplies coming forward There was a
sight advance the last week int the Liverool and Western
inarkets，but we now perceive a slight dodine in

 Apples－－Plentiful and cheaap， 45 c to 55 c per pag． Apples－Plentiful and cheap，45c to 55 c per bag．
Turnips－25c per bush．Carrots， 250 ．Onions， 75 c to 90 Butter－Roll，20c to 30 c per lb ； ； keg ， 18 c to 20 c ．Cheesse
10 c to 11 c ．Lard， 10 c to $12 \mathrm{ct}_{\mathrm{c}}$ ． Cattle－Per 100 lbs．live weight， 83 to 84 ．Sheep，each， 84
to $\$ 5$ ．Lambs，each， 82 to $\$ 3$ ．Mich cows，each， 830 to $\$ 040$ ．
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