
Vol XXXIX. LONDON, ONTARIO MAY 12, 1904. WINNIPEG, MANITOBA. No. $60 \%$

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## 2 IN 1 SHOE POLISH

TABLE OF CONTENTS.-The list Contents in this issue or
preceding the Home Magazine department.


Bissell's | Dish,

$\frac{\text { In alzes for } 9,}{8 \text { or } 4 \text { horses. }}$
 T. E. BISEELL, Mop. WW," EOOPM, iti.

Sunllght Soap uil hot burn the nat off woolens nol 1 than ce omtilcts. Stinlicit OAP Broues


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IEEAD WHAT MR KETOHESON SAYS : Dn W. S. Rice, Toronto, Ont:
Dran Sin , - Your Method has cured me of a very dangerour cose of rupture. It is needless to say I am thankful to you for my eure, and I shall, as
Ihave opportunity, cecommend you to thoso suffering from iupture. Iy ge is 78 years, and when you cured me you can cure an yone
J. R. KMOHIESON, Roq, Juatice Peace, Madoc, Ont

Give msa man who hse been ruptereet for roersente whionar fieen detion atindat to Lospair, haytog usod almost every truss on the market firseareli of a eure, but has not anem found rellef and ls dally erowiag wrorso-1 CAB CuRE fle so that ho will not re-
 Here are honest words stralight from the hoarts of tionest pooples they wore ruptured and now they are cured.

AGICD 76 AND OURMD.
Dr. WV. S. Rice, Toronto, Ont
Deare Docron, fieptying to your esidemed favoryt ann happy to bey 1 am porfectly cured. Be many others had faile using your Method I waid relief, and it mas indeed a happy day for me when 1 commenced using your Hethod. My age is 20
 AGED 81 AND CURIMD.
De. W. sikice, Tor onto, Ont
Minar Sir -I amgled and thenkful that I was persuaded to try your Method, for, Alter suffering for nearly 20 Years, I am completely cured.
Yours very truly, MHMON RUPTURED 40 YEARS.
Dre W. Se Rice, roionto, Ont
Divis Docion, - I was ruptured for 40 years and heve tried every remedy known, but nothing lid me any good exoept your Method, and it has made a
somplete cure. Yours respectilly, JOS. D. BOURIE, Midland, Ont.

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FOR SALE
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$\left\lvert\, \begin{gathered}\text { COSSIP. } \\ \left.\begin{array}{c}\text { Farm servant to piermaster-Gie me a } \\ \text { ticket for fower cattle gaun to Dundee. }\end{array} \right\rvert\,\end{gathered}\right.$ A new and extraordinary use has been found for peat by certain experimenters in Ireland. It makes an excellent quality of paper. A great mill, 1,100 feet,
of four stories, equipped with machinery, of four stories, equipped with machinery,
was established a few months ago at was established a few months ago at
Celloridge, County Kildare, which has been engaged in converting Irish peat into wrapping paper of various grades. The mill site is on the Rivent Liffey, about twenty-five miles from Dublin,
near the eastern margin of the great bog near the eastern margin of the great bog
of Allen which extends westward about seventy miles to the River Shannon. The motive power is both steam and water. Only the energy of the river
ganerates a certain volume of electric gunerates a certain volume of eleotric
force sufficient for present needs. About seventy hands are now steadily employed in this new enterprise

Senator Tillman, of South Carolina, tells of an old darky in his employ that land for farming purposes, on condition that the darky should give to the senator one-fourth of the crop raised. At the harvesting of the crop, the sen-
ator was amazed to find that the darky had not kept to his part of the agreement. for, while he hauled away three wagon-loads of produce, he had not sent a single one to the senator's barn.
Tillman called the negro's attentian to the fact that he had taken the entire crop, asking :
"Now, how's that, Zeb ? Wasn't I
to receive a fourth of the crop?" "You was, Massa Tillman, you was," exce's only exclaimed the darky; "but dere's o
loads !
A well-known judge who is as famous for his wit as for his corpulency, was much distu-bed in mind by his tendency to ever-increasing stoutness: He tried
many remedies, but without any success. At length a friend suggested that he should take a course of treatment at certain hot springs. He Immediately set
out for the place, soiourned for a few out for the place, sojourned for a few
weeks at it, managed to pet rid of weeks at it, managed to get rid of a
good deal of his superfluous flesh, and returned home in a most happy and jocular frame of mind.
On the first morning after his return, when he was wending his way to the
court-house, he came to the butcher's shop where his family were supplied with meat. Marching inside, he said: "Cut me off twenty pounds of pork."
The butcher sharpened his knife and at The butcher sharpened his knife and at meat for a minute or two and then walked oft. "Shall I send the pork to your house, my lard?" inquired the butcher, who
felt that the judge had overlooked instructions.
lu a Oh, no,". was the reply, given with
a smile, " I don't want it a smile, '.. I don't want it. I have fallen off just twenty pounds, and I only
wanted to have an idea of how much it wanted to have an
was 1 "-[Selected.


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## Che

# Farmer's XTdvocate and Home Magazine. 

EDITORIAL

Preparing for a Corn Crop.
The time will soon arrive when preparations
The Duty of the Veterinary Profession. might be assumed by some people that the entire cause for the lower standard of veterinary education in Canada rested with the veterinary college now in existence in the Queen City. Such, however, is not the case. Whatever may
have been true in the past does not exonerate the profession from not taking a more active interest in the advancement of the profession. In other words, now that the University of Toronto and the Veterinary College have decided on a higher training in future, it is up to the veterinarians throughout Canada, and especially those in Ontario, to do something more than has been done.
No profession in Canada has been so lethargic, so utterly indifferent to progress, as has the veterinary profession, too many seemingly being erinary profession, they did not care. That the profession had no social standing, and that to enter it branded one either as lacking in ains or with a predilection for liquor and fast horses, never seems to have dawned on the comprehension of many; consequently, the need for improvement was not heeded. The duty of the profession is therofore to get together and go to the Legislatures in th various Provinces and have enacted such legislation as will ensure no college being allowed to turn out veterinarians short of three years, and with the educational standing as laid in the University statute; and that no graduate from a veterinary college whose course is below the standing above mentioned be allowed to practice in Canada.
Then, many Toronto graduates go to the States to take up further studies, yet many of the three year schools on the south side of the boundary are not what they should be by any means, being only nominally three-year schools with a cor responding standard ; in fact, the only schools liv ing up to their professions of high standand are the State-supported schools, such as Cornell, Iowa Pennsylvania and Ohio. If, then, legislation is passed making it illegal to run a veterinary college of a standard inferior to the University statute, no hardship will be inflicted on the Toronto institution, which we understand will rise to the desired standard, but which could not be expected Lo raise the standard if colleges of the presen low standaras ana type were permitted to exist and grind out graduates. Veterinarians, get to gether, put your shoulders to the wheel and you uhe hins the hands of competent men lo secure the necessary legissation at the next session of the octario and Listial Legislatures.
Veterinary associations should not be con
demned for contributing moneys for the demned for contributing moneys for the erection of
monuments to dead veterinarians, yet we hold monuments to dead veterinarians, yet we hold that a monument in the form of legislation advancing the standard of veterinary caucation in gone, the living present is here, and the to be born future is drawing nearer, therofore concentrate on the desired end and fight Iif necessary until the requisite legislation is placed on the statute books.
or corn planting will be in order. This crop is steadily growing in favor in Canada, and most armers now regard it as essential to the best success in feeding cattle, either for beef or for airy production, while for young stock, as for all. it is, we believe, the cheapest and most economical fodder crop grown. The great amount er acre of palatable, succulent and nutritious foo produced makes it easily, when ensilaged, the most desirable of cattle foods, while in districts where t ripens uniformly the shelled grain is most profitable to sell or to be used for fattening purposes, and the dried stalks can also be used to rood purpose as fodder
Fall-plowed land intended for corn will be all the better for being harrowed and lightly culLivated any time after this date, to keep the soil riable and to conserve moistod seeds, that they may be destroyed by the following cultivation. If manuring has not been done in the fall, or by topdressing during the winter or early spring, fresh manure from the barnyard, ir not too long or strawy, may be worked into the land by surface cultivation, and the seed sown without spring plowing. We have seen splendid crops grown with this preparation. If the land must be plowed, let it not be too deeply ; use the roller freely on the iresh-plowed land a few hours after plowing, and before harrowing and cultivating, as this will educe the soil to a fine tilth quickly. If a heavy rain comes before planting-time, causing the soil articles to run together, cultivate and harrow again before sowing. For ensilage corn, the comon practice to sow do rows, not less than three feet apart, and not more is on if the sean is ond enough, if the seorly. If it is too thick and the plants should not be less than one foot apart repeated harrowing after it is up will do the thin hing to some extent Horrowing after planting, before the corn is $u p$ and afterwards, has an excellent effect in cleaning the land of weeds, lettin the air into the soil, and keeping the moisture in t, thus giving the corn a good send-off in the early days of its growth
Many of the most successful corn-growers fo nsilage, as well as for ripened grain, prefer plant ing in hills, three and a half or four feet apart each way, and cultivating both lengthwise and cross wise of the field, claiming that even for ensilage they get nearly as great bulk of stalks and much better matured corn, which is acknowledged to add greatly to the sweetness and feeding value of en silage, and to its keeping quatity as well. Plant ing in hills requires similar preparatory cultiva tion to that in drills, but the rand must be marked off in squares, and the seed dropped at the intersection of these markings, or, better, two o hree inches from it, by means of a hand planter or by making a hole with a hand hoe, dropping the seed from the hand and covering with the hoe n either case it is said to be a good plan to press the ground over the seed with the foot, firming it to hasten germination and to prever the United States corn here year and the sen wet much of corn sulted. It will be well to be careful corn redry, sound seed, and it would be prudent to test its vitality before the sowing season arrives, which
may be readily done by the simple practice outlined in an article on the subject on another page in this paper.

## Managing Hired Men.

It may be safely said that the greatest difficulty in connection with the labor problem to-day is not merely in being able to secure laborers, but in managing them properly after they are employed. Few men are born leaders of their fellow men, it is true, but the ability to properly manage hired help on the farm may be acquired and practiced very successfully by the exercise of a little common sense.

There can be no doubt that a great many dimculties that arise between employer and employed are due to lack of intelligence on the part of the latter, and to overcome them is not, of course, altogether within the power of the manager o laborers. On the other hand, it is very true that some men will get a great deal more work and satisfaction out of an employee than will others.

To begin with, men should be taught to take an interest in their work. No matter whether it be deepêning a ditch or constructing a farm building, the one who can be induced to feel that he is responsible for a work that is worthy of being well done, will do better work than another not so encouraged. In this connoction, too, overy farmer should adopt the habit of teaching his men how to do things. It is not necessary to wait until a certain piece of work is about to be pexformed, to begin an explanation of how it ought to be done. Every farm should be to the hired man a school of instruction, fitting him for better work and higher wages.

Another strong factor in teaching hired men to be interested in their work is the adoption of a system of regular work, and the time at which the day's labors should begin and end. In seed time and harvest, including threshing, there is every reason for rushing work at the highest possible rate, but if men are to work from daylight antil dark they should know it at the time of their engagement, and be paid accordingly. Nature will only allow a man to do so much, and if he must be kept going for sixteen hours he can certainly not do an honest hour's work every sixty minutes.

While it is only the observance of a sound business principle that farmers be exact in insist ing that their men do honest work according as they were engaged, yet occasionally difficulties arise through men being expected to do an unreasonable amount of work in a short time. The hired man should not always be treated as. a mere slave. Encourage him to rise above the level of those who by choice would be all their days hewers of wood and drawers of water for others, and thus aid in developing in Canada an enlightened and homogeneous agricultural people. Our fields are broad, and our acres plentiful, and is it not best to be educating a fellow man to be come capable of erecting a happy home of his own, and to cultivate more of the umbroken man? There can be no nobler ambtion a good men than to help enother to more usolut lito.

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Ben. Briggs, Melvin, Mich.-I think a great dea I ever saw. I am glad you have the Quiet Hour in the farm paper. It must do much good.

James E. Dickie, Renirew Co., Ont.-I over
looked sending my subscription in earlier, but $w$
could not be without the paper, nor can any on that lives by toil.

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years.

## Are Your Cattle Well Bred?

What a question to ask a breeder of pure-bred stock !" everyone will say, and yet it is a pertinent one. If your cattle are well bred, how do you make other people believe your statement You refer them to the herdbook, your cata logue, and you produce the certilicate issued by the herdbook association, and as time is money and sufficient herdbooks are not accessible to every person, they have to depend on the certificate and the catalogue. The certificates issued by the herdbook associations should show the animal's breeding, yet it does not, only a portion of the pedigree and breeding is shown. Suppose we go back four crosses (the influence of ancestors furthe back, unless in exceptional cases, amounts to very little), we find that it is possible that thirty dif ferent animals have contributed to the breeding yet the catalogues and certificates issued nowa days show only eight ancestors, out of a total o thirty, consequently the herdbook certificate gives only one-fourth, approximately, of the informa tion it should regarding an animal's pedigree, and that within the four top crosses. Under the present-style pedigree certincate it is possibie an animal to be very much inbred and yet the ortificate would not show
The usual pedigree certificate shows nothing whatever of the sire's breeding, nothing of the first dam's sire's breeding, and nothing of the first dam s dam's sire's breeding, and string of bulls present-day cers cate show a some oh bur pedigrees, to a son of Hubbach, who lived ant pedigrees, to a son of Hubbach, who lived and 18th century (this is the 20th century), and iy 18th century (ths is the zoth celly beginners the some misguided people, usually beginners, the
value of a pedigree, and, therefore animal's value of a pedigree, and, thereforif.e animal's
value, is measured by the length of that pedigree value, is measured by the length or that pedigree
We believe that the extended form of pedigree the only sensible one, as it afords the informa the only sensible one, as it affords the informabreeders. A comparison of the two forms of cer tificate is shown here, and it will be at once ap parent to every reader and thinking person, the immense advantage of the extended form over the old form yet in use in Canada. The pedigre gliven is that of an Aberdeen-Angus cow, Bell



It will at once be seen that in the fourth ross this cow is four times inbred to Shah 1158 and three times to Princess of Kinochtry 248, an which heavy inbreeding would not have been ehow in the form below, which is the form in which the certificate is usually issued

BELLE LEMON 21201.
Galved, Felb. 18th, 1894; the property,
Roagers ; Owned by -By Highland Prince 10761 $\begin{array}{ll}\text { Dam, Belle Merlt } 4000 & \text { Prince Mac } \\ \text { G.D., Blooming Belle } 1 / 31 & \text { Shah } 1168\end{array}$ G.G.D., Heather Blossom 2nd 1782 Young Viscount 181 G.G.G.D., Heather Blossom 308 Elector 103, etc.

In the above form, that in general use, Shah 158 only appears once, whereas that bull conbers. Added value would ancestry of thirty memrees of parti-colored cattle be given in the phorthorns) is he color of each animal was given in the exended form ; it would be a guide to future mat to le oonsidered in mating, yet no breeder of Shorthorns can afford to disregard the question ; olor often influences the market price. We may add that we have seen catalogues gotten up in the xtended pedigree form by breeders of Herefords oubt many of our breeders will think the change oo radical, yet we venture to suggest that the rue breeder, of which we unfortunately have but ery few as yet, will agree with us that the move along right lines, and will assist in solving the those engaged in the moulding of animal types to their betterment.

## Sustain the Beet-sugar Industry.

The fact that Canada consumes approximately come $200,000,000$ pounds of sugar annually, which quantity will keep increasing with the rapidly rowing population of the country, shows the possibilities that lie in the production of sugar beets on the farm. Late Canadian Government eturns give the value of sugar imported during 903, and the count

| Great Britain | \$ 184,203 |
| :---: | :---: |
| United States | 439,488 |
| Australasia | 145 |
| A ustro-Hungary | 38,994 |
| Belgium | 430,763 |
| British Guiana | 571,481 |
| British West Indies | 1,444,122 |
| China | 1,592 |
| Dutch East Indies | 410,976 |
| Danish West Indies | 203 |
| Fiji | 231,333 |
| France | 153,741 |
| Germany | 3,118,296 |
| Holland | 40,056 |
| Hong Kong | 22,958 |
| Italy | 1,128 |
| Peru | 157,829 |
| Switzerland | 117 |
| Turkey | 240 |
| West Indies (American and Cuban | 286,918 |
| Other countries | 1,307 |

From the foregoing it will be seen that Ger uany, where the beet-sugar industry has been so ong and so successfully developed, contributed almost one-half of the sugar imported into Canada, nd more than twice as much as her next rival,
 armers, that the sugar-beet crop is a most profitable one. It takes little from the soil, and t compels good clean farming. The by-products, such as " beet pulp " and " molasses cattle-food," have heen proved to be very valuable in ieeding fleming cattle and other live stock. The refilts of a feeding experimen

Mr. M. H. Miller nality of Canadian sugar beets, says that he has wer met with their equal, except in California and Colorado. Last season, in spite of most unvorable and unnsual conditions, the Wiarton facfory was able to show an extraction of 240 pounds of beautiful white granulated sugar from a ton of bects, which was only possible with beets of high quality, both as regards percentage of sugar and purity. Not oniy showid the industry he backed up for the reasons given, by the profuction of sufficient beets by the farmer, but it is ne that deserves well at the hands of the country fonerally, on the ground that it sustains a

## HORSES.

## The General-purpose Horse.

 I have noticed several short letters in recentnumbers of the ". Advocate," on "What consti tutes a general-purpose horse." In these articles the writers appear to consider that weight classifies; that a horse between 1,250 and 1,350 pounds is eligible for the class, but those either under or in competition. Now, for show purposes, where the conditions distinctly state that horses of this class shall be of a certain weight, of curse the judge has no option, but must disqualify those that are either below or above the stipulated
weight. In my opinion weight has much less to weight. In my opinion weight has much less to
do with the classification than type and general characteristics. Just what constitutes 'a gener-al-purpose horse," depends, to a considerable degree, upon the individual tastes of the owner, and
upon the different kinds of labor he wants him to perform. However, to establish a uniformity of opinion of the necessary characteristics of the class, it is necessary that some definite type be recognized. The " general-purpose horse "is com-
monly understood to be an animal that is essenmonly understood to be an animal that is essen-
tially a farmers' horse, and in order to avoid con tially a farmers' horse, and in order to avoid con-
fusion, and explain to probable exhibitors what shall constitute a horse of this kind, where prizes are offiered, the society offering the prizes pusually
define him in some such words as these " define him in some such words as these: "A gen-
eral-purpose horse is one that is suitable to a plow, wagon, carriage, buggy, or mnder saddle." In some cases weight is designated ; in others not. I think it wise to mention a minimum weight, as
a horse under at deast 1,200 pounds certainly has a horse under at least 1,200 pounds certainly has
not the necessary strength to give satisf service to a plow in heavy land, or hitched to ioaded wagon; but I do not think the maximum weight should be 1,350 or even 1,400 pounds. So long as the horse has the desired cliaracteristice as
regards type acticn and manners it is hard regards type, acticn and manners, it is hard to
limit the weight at which he ceases to be a gen-Mralt-purpose wight at whimal he ceases to be a gen-
and becomes a member of another class. Neither are we justified in classifying all horses of 1,250 to 1,350 pounds as gen-eral-purpose horses. We frequently see Standard-
breds, Hackneys, carriage horses, coach horses, and not infrequently Thuroughbreds, that weigh more than 1,250 pounds, and we cannot, by any system of reasoning, classify a fairly typical ani-
mal of any of these classes as "f a ceneral-purpose mal of any of these classes as "" a general-purpose
horse." horse." On the other hand, we occasionally see a
horse of the draft type-it may be Clyde Y'ercheron, Suffolk, or other draft breed-that does not weigh more than 1,350 As with the lighter
classes, we cannot classify these as " general-purclasses, we cannot classify these as " general-pur-
pose." The objection to this argument may be pose." that abjection to this argument may be not weigh more than 1, the is not typical. We he is typical in other respects, in some cases small for his real class, it would be atter ity to call him " a general-purpose horse." Again,
we may have two horses of the same type-the type we accept as correct-the same breeding probably full brothers, one weighs 1,350 and the other 1,400 pounds. Are we justified in a case
like this in disqualifying a team of typical horses because one exceeds by 50 pounds the maximum weight of 1,350 ? I do not think so. In such a case what class does he represent? He certainly is not an "agricultural horse," even though he
be within the designated weight; he is not of the agricultural type, which is essentially the draft type. In my opinion, the agricultural horse is one with all the chiaracteristics of the draft horse except weight. If we might be allowed to use
the term "light draft "" in contradistinction "heavy draft," I think it would express what we want in the agricultural horse. The question
then arises, " What shall be the maximum weight then arises, "What shall be the maximum weight
for the general-purpose class?" This is not an easy quention to answer, but I think at least sired type, but overweight, does not then become an agricultural horse, but is simply (like many horses of different types) a horse that, white probably a useful and valuable animal, does not
belong to any recognized class. Of course, agricultural societies should not try to make classes for horses of all kinds, but on the other hand should make classes for the marketable classes, and hence endeavor to encourage breeders to pro-
duce such animals as will be valuable show purposes and for the market. This reasoning raises the question, "Should societies recognize the class under discussion ?" Is he a special type or a misfit? Can he be bred with any de-
gree of certainty, and if so, how? He is of gree of certainty, and if so, how? He is of
necessity of composite breed, and when we try to necessity of composite breed, and when we try to
produce him the progeny may partake of the special characteristics of either dam or sire, or of some progenitor on either side, more or less remote, and be an animal of a type essentially dif-
ferent from what we expected. Notwithstanding all that may be said pro and con, as to the ex istence of this class of horse, or as to the advisability of his recognition as an animal of a
special class, the fact remains, if we are going to
recognize the class, we should endeavor to establish some uniform conception as to the charac-
teristic type, form and action desired. In my opinion, he should be a horse oi the blocky type, between $15 \frac{1}{2}$ and $16 \frac{1}{4}$ hands, about 15 most de-
sirable, not less than 1,200 pounds in weight maximum not less than 1,200 pounds in weight. The maximum weight to, at all events, be not less
than 1,400 pounds. His bone should be flat, and of quantity corresponding to his weight, and there should be an absence of feathering; a tuft of long hair on the fetlock pad not objectionable. The
reason there should be an absence of feathering is not because a reasonable amount of hair would interfere with his usefulness, and while we want it in the draft horse of the Clydesdale or Shire type, the " general-purpose horse" heing required to periorm so many and varied functions, looks
must be a prime consideration, and while many horses with considerable feathering have very good action. when we see one hitched to a light carriage or buggiy, or used under saddle, he looks enhorses with heavy loads, we associate hairy-legged active and light-footed as one without the hair his looks should condemn him for the class under discussion. He should be rather a stylish horse, neat head and ears, well carried ; neck rather
long, but very well muscled ; withers high and not too broad; shoulder of medium obliquity. back rather short, and loins strong; croup long, and not too oblique; tail well haired and well carried; the forearm rather long and strong; knee
strong and straight ; cannon broad clean ; pasterns of medium length and obliquity. feet rather round, of medium size and good qual feet rather round, of medium size and good qual-
ity, and he must stand straight on them. The

## Weight of General-purpose Horses.

In your April 7th issue, Farmer Exhibitor asks Is the horse of 1,350 pounds a proper general purpose horse ?" and says he is too light. My answer is that a horse 100 pounds lighter, of the pounds hairy-legged Clyde. If there is one thing above another in horse-breeding that should be kept in view it is compactness, as much good ess passible in a small space, to enable o do his work with ease to himself and pleasure his owner
F. E. admits that 1,350 pounds would not be too heavy for a saddle or buggy horse. Now, who wants a $1,350-\mathrm{lb}$. horse for a buggy when one
of $1,100 \mathrm{lbs}$. would be better ? Did Colonel Dent, when in Canada buying horses, want them 1,350 lbs. for either heavy or light cavalry? Certainly not. F. E. says, " If the farmer goes to market with any kind of a load he wants a horse of some weight." I don't know what h means by " any kind of a load." The stuff that iarmers take to market generally is eggs, butter
and a few chickens. I don't think it requires and a few chickens. I don't think it requires a
$1,500-\mathrm{lb}$. horse to draw that. At Toronto he has seen good sound horses of $\mathbf{1 , 4 3 0}$ lbs. sent to the stable because they were too heavy, and a team getting the prize that never saw a plow or other farming implement." That might. be, but
at the same time they might be the very best at
horses when put to it. He says, " We don't need


Hillhurst Sensation -58-.

## Firat-prize high-ste pping Hackney stallion, Canadian Horse Show. See report in last issue. Owned by Mr. A. Yeager, Simece, Ont., who was recently offered $\$ 10$, oro for him

haunch, gaskin, hock, must be strong, well muscled and well defined; hind camnon to foot, same quality as fore. His ribs should be long and well wide, and muscles prominent. In fact, he must e a low-set horse, with well developed muscles his tread horse, nor the lightness of horses of the lighter classes. He should trot well also, lifting both fore and hind feet fairly well from the ground; neither paddling nor rolling in front, nor going
wide nor interfering behind. His manners should vary considerably. When at heavy work he should have the steadiness of the draft horse, and when saddle, he shocald assume, to as great an under as his characteristics will allow the manners of the light horse. In all cases there should be an absence of nervousness, fretruiness or excitability He should be safe under all conditions; he must drive to market, or for pleasure; or for his little son to ride to the blacksmith shop or post-office, or to market with a basket. Under any and all these conditions he should so comport himself that the ordinary observer will not look and remark course, we do not expect him to be typical of any particular class, but to perform the functions, both in appearance and work, of any class, in such a manner as to not be particularly noticeable under want something that cannot be produced, but there are many horses of this type, and this is my idea of what constitutes " a general-purpose horse."
judges so much to of the class as we need a good, ho
weigh - master." don't hold with that
sentiment. If sentiment. If
weight and quality is the consideration, then pile
on the dat, and let the scales in the hands of an honest
weigh-master be the udge. I a gree says farmers should be encouraged to ex itbit their general.
purpose teams with purpose teams with ning a prize, in
stead of giving the prize to formb bred and
stallions. no faith in the trotter - in the
Thorough bred have. If Farmer light admixture 0 he Thorough bred
n his horses, they would be gitrong and more active if is well known that a slight admixture of the blood of the Thoroughbred horse has improved the heavy
black horse of England. THOROUGHBRFAD. Elgin Co., Ont.

## The Foal.

Foals are arriving now. Give the dams a bran mash, ground oats, clean mixed hay, with plenty of clover in it; plerity of pure water, and allow outdoor exercise on fine days. Do not bo afraid to work in-foal mares right up to foaling time, but give them at least two weeks rest after foaling, so that the youngster may get a good
start. If possible, give the mare two monthis run without work. Don't neglect to give the in-foal mare a light, roomy, clean box, and don't begi dosing the foal as soon as it arrives. Nature

## June Horse Shows

Galt and Guelph, Ont., are preparing for horse shows next month. The dates for the Gail show are fixed for June 2nd, 3rd and 4th, and Guelph
for 9 th, 10 th and 11th. Iiberal prizes are or 9 th, 10 th in and the and it is safe to say the residents of Weloffered, and it is safe to say the residents of weprivilege of seeing some of the very best horses of all classes at these shows.

Young Lady (to very new salesman)-" Have you a
book called 'An Essery on Irish Bulls '? ', Saleeman-
"' No, miss. We haven't any works on live stock."

## STOCK

## Abortion in Cows.

treatment of threatened abortion. -Instantly isolate cow in secluded box stall, and administer one ounce of fluid extract of black administar one ounce of add a wineglassf(ul of leudanum. Repeat dose every two or three hours until restlessness and aggravated symptoms subside, then drop out the laudanum and go on with the black haw in halt-ounce doses three times daily until vulva purses up and all remaining symptoms again in the abortion disappear, orior to alarming symptoms, she may be returned to the herd, an will then as a rule go through safely to her proper time of parturition. In extremely urgen cases the above-mentioned doses may be doubled or given once an hour until the desired effect is obtainod. Fluid extract ol cannabis indica is as effective as laudanum if of first-class quality. It
is, however, more expensive and less reliable it is, hatity.
General preventive measures.-While we do not consider it possible tc kill out the germ prosent in any cow fully impregnated so that the womb and Fallopian tubes have become in
vaded, disinfectants may afford some hope of less vaded, disinfectants may affiord some hope of less tion or spread of germs to less affected or clea cows. The administration of pure carbolic acid in feed also has bean used as a preventive, and we this preparation in the following way: One-hal dram each other dav, night and morning, to pregnant cows from first to last of pregnancy, mixing
it in water and then with feed, if they will take it in water and then with feed, if they will take it that way, or as a drench in water from a bot-
tile, or spraved upon their hay or other food, or mixed in salt when they are at grass. One dram twice daily every day for cows that have recently aborted, or that have a discharge from the cagina constituting the disease known as lyucorchn a (whites) ; in the ifrst instance the treatment to be
continued for at least two weeks, and then given continued for at least two weeks, and then given
every other day until again bred, and in the sec ond instance to be kept up until leucorrhooa dis appears. In addition to this precautionary treat ment, the cow that has once aborted and is again
in calf may be kept isolated and treated with black haw and laudanum for a couple of weeks at the time when she would be liable to abort during the second pregnancy. This time is about one month later than the period a
EXTERNAL PREVENTIVE MEASURES. Scrupulous cleanliness must be maintained in the stable occupied by cows. Every day the vulva,
inside of tail and thighs of each cow should be washed, sponged or sprayed with a two-per-cent solution of Zenoleum or similar tar product disout moving manure along gutter from one cow another, and the cleansing shouid be followed the free use of a strong disisinfecting solution, such as $1-50$ solucin ost Zene (sulphate our pounds each of tresh lime in forty gallons
DISINFECTION OF BULL--After each service
he sheath and penis of bull are to be thoroughly fushed or washed with a disinfecting solution. For this purpose, use half a gallon of a 1-1000 solu-
tion of chloride of zinc, or two-per-cent. solution of tar product disinfect intor sheath by means of a nozzle attached tor six-foot length of half-inch rubber hose, fitted to a
spout, let into the rim at bottom of a large clean spout, let into the rim at botion' of ack large clean of a small rope and puliey. Inset end of nozzle
in end of sheath. Hold skin tightly about end of nozzle to cause retention of fluid, which should
then be allowed to flow in until sheath is dis. lended, when nozzle may be withdrawn and the t least twice at each time of operating.
TREATMENT FOLLOWING ABORTION - Wh cow aborts, remove her to a box stall. By
neans of apparatus already described, flush out omb and vagina with two gallons of milk-warn if zinc preferred): remove afterbirth by hand or
it does not come away promptly, repeat irrigation
of womh once daily for two weeks, then every of womb once daily for two weeks, then every
other day for two weeks, then twice a week until other day for two weeks, then twice a week until
time arrives when cow would have been bred had time arrives when cow would have been bred had
she not aborted, and at which time she should again be bred if
Live stock Report

Well Worth $\$ 5.00$ a Year
 ny farmer. Wishing you the very best success.
Algoma, Ont.
JOHN COWLEY.

## Profitable Pigs

A farm without plgs, writes Mr. w. J. Malden, the Farmers' Gazette, Ireland, is almost certainly farm with waste, as there is lood which can be boat utilized as plg food. The plg is not regarced so universany as a scavenger as in was a comparal oo low years ago. This is because improvement in breed Ing has made it possible to produce a large weight of good quality pork from a small amount of cood short time : also, because big, ota pigs sell baal, pubic tast ruming on sman, dencately averon pork breshing machine and srain hinder have, by the clean ness of their work, lessened the offal grain. Pigs which wad the run of the yard in the days of the flail picked up quite a considerable amount of grain when muzzling in the straw. Nowadays, good machines leave less grain than will keep the sparrows, and the binder has lmost rendered unnecessary the horserake, be the pigsa there is less stained and the stubbles are but little used. In spite of the change which has come about, there is much of an offal nature that pigs will consume proftably, and which if they do not eat is wasted. We like to see a number of breeding sows and a requisite number of young storeg
proitable account the waste of the farm
The improvement in the breeding of pigs renders them all the more suitable running as stores, because Whenever it is desired to fatten them they can be put or pork- The ordinaim pig afo thy long time to fatten, and did not fatten proitably until It was of good age. We think that a good many who advocate fast feeding from birth often overlook the miterence betwoen the piga of their youth and those or
Both rapid fediding and ztore rumning before fattening are prontable according to circumstances-just as profit may be got out of baby beef where the animal has been fattened from birth, and aupo of youm those which have been kept then fattened. The fact is. the nature of the food avaliable is the min consideration. A farmer with roots rough grain, dairy waste, and other burky food generally finds it proftable to allow fatten. while the ana who bas less bulky put up to find it more desirable to fatten from birth.
In any case, breeding sows require food which they can get by scavenging, apart from that which is more expensive. Overfattened sows do not make the most prolific mothers, nor are their young as strong as are
those which are the onspring of mothers which obtained a mixed diet in scavenging, and have attained vigor from exercise. For our own part, we like a sow to have green food, such as grass, clover, or tares. This has a tendency to purify the blood; and the food material in the forage
starchy trontioned mixes well with thr
Mangels
Mand good for sows, although there are many who have a great objection to them. Succulent food is also good,
but if sows receive nothing but corn or barley meal, but if sows recelve nothing but corn or barrey meal,
which are starchy, much of the good which might bo which are starchy, much of the good which might be
done by mangels ore turnipe is lost. The starchy roots require to be fed with flesh-forming material, not fatmaking foods. Where the diet is entirely of a starchy
nature, the sows have nothing to build up the frames nature, the sows have nothing to build up the frames
of their young, nor to renew the loss of muscle of thelr young, nor to renew the loss of muscle
Where it falls to the experience of breeder that rets ill-luck in breeding from sows receling roots. If
he looked carefully into the matter he would see that he was trying to make his sows productive on a dietary
which renders it impossible to bulld up a litter and For sows. we strongly advocate green food especially lover or pulse crops. Who has done better with sows particularly when the tares are getting ripe? The Canadian pip-keeper, on green clover or lucerne, with a small quantity of corn, runs about the nearest
approch
to economical pig-breding combined with approch to economical pig-breeding combined with
health. The roadside sow in England, finding the greater part of its living on grass, is nearly always
prolifici ; and, with this in view, it is strange that there is not more of this carried out in enclosures. The profitable side of pigs may be found in associa-
tion with dairying ; it may also be said that the profitKon with dairying; it may also be said that the prome
bble side of darying is found in association with pigs In the case of buttermaking, there is the buttermilk and separated milk to be disposed of $;$ also, in cheese-
making there is the whey. The public do not recognize the culinary value of separated milk as they respect to to the disposal of milk wastes to pigs, those from buttermaking or from cheesemaking are of the greatest value. Whey, owing to its fattening proper-
ties and small amount of nitrogenous matter, may be ties and small amount of nitrogenous matter, may be
fed with more carelessness than can separated milk. While recognizing that milk is not only a valuable
food, and an admirable addition to a well-constructed itetary, it cannot be too strongly urged that owing to the large amount of nitrogenous matter it contains care is needed in arranging a dietary, especially for
young pigs. It is too olten forgoten that senarate
 Nature arranges that milk shall be an all-round food,
and the extraction of the cream makes in one-siden one. Unless some equivalent be supplied, although large quantity of skim millk is given, the animal does not get enough fat-forming and heat-giving substance
to keop it in health. Well soakked middiling and barley meal make the salest additional toods to bo given to pigs when they can first foed, and for a fow woek after it skim milk is also given.

There is ilttle of the proftable side of pige where the early dietary is badly arranged. Most deaths and allments come during the fortuight before weaning
and the month after. It is then that rheumatism and the month apter. and other ailments attack
pneumonia, apoplexy and pigs. The blood. becomes poisoned by an excess
nitrogenous matter. It is better to mix the skim nitrogenous mater rather than to glve it in excess
milk with water Where one plg goes wrong through underfeedin many do so through overfeeding. Whey, having littl nitrogenous matter, rarely gives trouble, though it
with exceselvely with excessively starchy foods, such as barley meal not thrive as they would with the addition of bran or shorts, or even a little bean meal
As pigs get older they require siill more fat-making food. Barley meal is the standard food for the plg pig food. Green food takes the place of skim milk in supplying nitrogenous matter. Consequently, tares clover and lucerne are good additional foods for grot ing pigs.
During
Dit tallen intocent years the smaller breeds of plgs bave joints are in such demand. In the first place, they ar so much more delicate. The principles of breeding which have been so long applied to the building up of The small breeds have tended to the weakening of the
constitution, consequently they are specially liable to contract ailments when young. Beyond this they lay on too much fat in proportion to the lean, and their bacon is wasteful. So far as the indications of early maturity go, they are apparently perrect, but too much ing disregarded, the larger breeds have ousted them. The larger breeds of to-day are far different to the larger breeds of a few years ago. The features o coarseness have disappeared. Instead of it being neces
sary for them to attain maturity before they could be sartened, they can to made up at practically any perio
fat of their life. In this way, the larger, more quickly growing breeds can be killed to meet the modern de mand for small joints with delicate flavor at any ago pigs they show proper proportion. There is no doubt that the larger breeds now belong distinctly to the profitable side o pig-keeping. In the endeavor to attain to early
maturity, breeders must be carelul how they do it There is no doubt that, in the aim to secure the ward features of quality, great injury has been don to many strains of the Berkshire, and the repute of the whole breed has suffered in consequence. Th large breeds, such as the Large white and the Larg
Black, make excellent tarmers
pigs, and to them, the present condition of the trade, we look to tho greatest profit. They can be run as scavenging stores before bing fattened,
maturity

## Rape for Swine

Prof. Carlyle, late of the Wisconsin Station,
from the results of his investigations, draws the following conclusions from four to old, an acre of rape, when properly to grown, has feeding value when combined with a ration of cori and shorts, equivalent to 2,436 pounds of a mix ture of these grain feeds, and a money value
$\$ 19.49$ per 2. That rape is a better green feed for growing pigs than good clover pasture, the pigs fed upo
the rape having made on the average 100 pound of gain on 33.5 pounds less grain than was re quired by the pigs fed upon clover pasture.
3. The pigs are more thrirty, have better apetites, and make correspondingly greater gain with their grain feed thape when fed on grain alone 4. That a plot of DWarI Essex forage rape
when planted in drills thirty inches anart. early in Way, in Wisconsin, will yield three good crops 5. That rape is the most satisfactory and cheapest green feed for swine that we have fed. 6. That every fecder of hogs should plant each spring a small field of rape, adjoining his hog
yard, and provide himself with a few rods of 7 That rape should be sown for this purpos in drills thirty inches apart, to facilitate the stir-
ring of the ground and cultivation after each successive the ground and cultivation haster beach suc
8 gro eaten of. 8. That hogs should not be turned upon a rape
rastur untio the plants are at least twelve to
fourteen inches high, and that they should be pre vented from rooting while in the rape field.
9. That rape is not a satisfactory foed 9. That rape is not a satisfactory feed when
red alone, when it is dosired to have weirht gain made in hogs, though it has bee
found that they will just about maintain them

Dr. Alexander on Warbles.
The grub is the larva of the ox warble-fy (Eypo-
mis bovis). and was "taken into" the system las dermis bovis), and was "taken into" the system last
summer during Ay-time. The Govermment entomologsts summer during Ay-time. The Government entomologlsts
would have us believe that the egge of this fy are de posited upon the hatr of the chest and legs of catlie are licked up and swallowed by the cattle, and eventually hatch out into little grubs, which penetrate the walls of the stomach, and then wiggle through the was taught differently years ago by that noted entomological authority, the late Miss Eleanor E. Ormerod, of England. She, with other entomologists a day cattle by means of the "ovipositor"" of the fly; that they there gradually attained full-size, and by the irritation induced the formation of pus and lymph about the ab scess and under the skin, which led butchers, seefing the condition on skinning the animal, to use the term
" licked beef ". in speaking of such beasts. The matt that such a collection of inflammatory material is found under the skin shows that the grubs cause great irrita-
tion, and, necessarily, pain and misery to the host. When badly infegted, steers have failed to fatten and cows to give a full flow of milk, while hides are in jured seriously in price by the holes consequent upon
the presence of these pests.
We can the better under stand the misery of the infected steer when it is re membered that the grub is supplied with some stiff
bristles with which to irritate the tissues within reach bristles with whe the
apparently for the very purpose of Inducing seceretion of apparently
pus and difusion of ly lymph, which probably supplies the sustenance of the parasite, At this time of the year feeding cattle and cows should be examined for the presence of these egrubs, and means should be adopted
for their removal and destruction. When fully "ripe" the grub may be squeezed out between the fingery and thiumb, but a better way 19 to apply a nut key over
the tumor and bear down hard, when-pop goes the the tumor and bear down hard, when-pop goes toe warble 1 The grub should be destroyed under foot.
else it will assume the form of a pupa in the ground, else it will assume the form of a pupa in the ground,
and later emerge an imago or perfect insect to carry on its mischievous work. Injecting a few drops of turpentine into the orifice of the tumor will also kill the grub, and the same end is attained by smearing with
mercurial ointment. In using the latter preparation mowever, care will have to be taken to prevent licking, as the ointment is poisonous, and the objection to both plans of treatment is that the carcass of the grub is left within the tumor to act as a foreign body and con-
tinue the formation of pus and other products of de cinue the formation of pus and other products of de
composition and irritation.
Any application that will keep fies from settling on the backs and legs of cattle in summer will tend to prevent the formation of these
varbles, whether the eggs are deposited under the ekin warbles, whether the eggs are deposited under the skin
or upon the skin, and some such attempt should be or upon the skin, and some such attempt should be
made to lessen the trouble. vised washing the backs of cattle with strong brine in late summer and early winter as a preventitlve of warble formation. This we think should be done, but
a strong solution of coal-tar disinfectant might prove even more effective than brine. We still incline to the belief that the eggs are deposited under the skin, and for that reason have faith in external applications. It is sad to confess that we cannot fully stomant the life uuthorities, but such is the case, and we bave yet to find the man who has discovered a grub in transit from the stomach to its eventual lodging-place under the
gkin.
Grub taken into feeder knows more about to date : IA free translation of the scientifc name given the
warble fy is evidence that the scientists giving the name believed that the cattle hides were punctured by
the fly and its eggs deposited beneath the skin. - Ed.]

The Faker Still Tramping. ONeil Bros., Southgate, Ont., write: "We are in
veceipt of a letter from a Simcoe County breeder stater melpt of a letter from a simcoe County breeder stat-
mg that he recently had a visit from a dark-complex-
 Neil Bros., of Southgate, Ont,, and wanting to buy
Hereford cattle. Thiis is the same crook that you have exposed previously in your paper, that goes among
breeders of pure-bred stock and purports to buy some,
or at judge of cattle, has pedigrees well orf, and has been
over the most of North America. He is a brilliant conversationalist, having been in the ranching country
of the South-western States, and is acquainted with of the South-Western States, and is acquainted with
nearly all of the most prominent breeders, as he could
nick out nearly all of them from photos. We would
 first page of your valuable paper exposing this rascal,
and also announce that we have not been on a pur-
chasing tour in Ontario in the last year, as we to not know to "rat extent he has used our name and reputa-

I am nearing the seventy-fourth milestone is the journey of life. The "Farmer's Advocate"
has t,een my companion for one-half the journey Elgin Co., Ont.
Elt have good to say of it.
ROBERT JONES.

THE FARMERS ADVOCATE

## The St. Louis Live-stock Exhibit.

Sir,-I regret that unjust criticism
Sir,-I regret that unjust criticism has been directed sioner, because of the course of the Cive-stock Commisregarding a national course of the Canadian breeders The action of the Canadian breeders was initiated themselves, through the executive offcers of their as sociations, and their resolutions endorsing the action of Live-stock Commissioner Hodson, and not to make national exhibit at the St. Louis Exhibition under the cond ar


Maramere 18160.
Champion Aberdeen-Angas animal, Dumfries, 1903.
Age three years and six montho
nual meetings of those associations, and whether the Canadian Live-stock Commissioner and the representaives of the Canadian Live-stock Associations whe went to St. Louis to try to smooth away the difficul ties in the way of a Canadian live-stock exhibit were reated by Mr. Coburn with courtesy or not had no bearing on the matter, as their decision had already been made. It may have had the elfect of strengthen ing the brecders in her whelu the the the man who had insulted them and pick up the rumbs he might throw to them
I believe the sentiment of the Canadian breeders is hat they sur pref to take their chances with the andependent sense of justice of the average American, especially the thack brecders, in a straight, Irlendly branch of the live-stock industry the obstacles have been removed in a halfhearted way since, and probably as a result of th action of the Canadian live-stock associations.
sheep and swine breeders in quite the same way, and I believe they would have been willing to accept the
terms terms offered-a statement I made to the meeting a
the Rosin House, Toronto.


Shropshire Tup.
Championship best Shropshire. Dumfries,
by A. Tanner. Age two-shear.
Our Government informed the deputation who waited on them regarding a grant for the purpose, that
a grant to assist in making an exhibit of our Cana dian live stock could only be given upon condition that the breeders united and made a thoroughly representative display of our great live-stock interest
When the conditions of the Exhibition so repulsive to the horse and cattle breeders that so repulsive to the horse and cattle breeders that they
decided they could not accept them, those stipulation could not be complied with, and it did not require very great stretch of patriotism to have the breeders o other lines decide to stand with them, and 1 do no
think there are many of our breeders anxious to humiliate themselves be
. Smith.

## FARM.

## Beet-pulp Feeding Experiment

 On the 70 -acre farm of the Ontario Sugar Comcultivated annually 12 to 13 acres of sugar beets but no other roots, except a few potatoes, aregrown
Beets follow clover, and are followed by grain seeded to clover. It is not found necessary to summer-fallow to keep the land clean, which is easily done, accomplished as a secondary advantage in beet cultivation. Beet pulp as a stock iood is fast growing into favor among the grow-
ers, who are allowed pulp free at the factory; or in other words, f.o.b. cars. Last year (in a little more than two months) the beet-growers teamed away 3,800 large loads to their farms, where it has been fed with splendid results to growing cat
lle, beef cattle and milch cow. Had the car pulp orders been received sufficiently early before the storms blocked transportation, as many as one hundred carloads would have been shipped growers outside the county
chased last winter eleven head manure, we purwhich were put on a beet-pulp feeding experimeat. in which nothing was fed except beet pulp, oat
straw and oat chaff. The results are interesting straw and oat chaff. The results are interesting and should be of value, particularly to beet-grow--
ers who are within the county, or situated within shipping distances of the factory
non October 14th, when the experiment coimmenced, the eleven animals weighed 8,100 pounds, being an average of $7362-5$ pounds. Until smow
came (about the middle of November) the antimals were enclosed in a two-acre paddock, which contained practically no pasture, and fod pulp only twice a day. They were then dehorned and housed in a box stan, where they received oat ing. No hay or grain was fed, and they took no water. Usually a little salt was sprinkled over the pulp when fed. 'It was very noticeable all mals were at all time expertment, that the anirestrul, but always ready for their feed.
After three months, on Jan. 14th, 1904, the animals weighed 9,005 pounds, being, \& total in crease of 905 pounds, or an average of $82 y$ pounds.
Two of the animals being heifers were togeithe weighed and sold. Their weight of 1,740 pounds was deducted from the above 9,005 pounds to :obtain the weight of the remaining nine animals, hamely, 7,265 pounds. On April 14th, after anchaff and beet pulp, the nine stors wetchat, \& ant pounds, being a total gain in three montho of 1,035 pounds, or an average of 115 pounds.
are remarkably thrifty in appearance, these figures show that beet pulp has a very high value as a growth. food for the economical production
A. E. SUUTTEWORTH.

## Sugar-beet Growing.

The best means of producing sugar beets to as near perfection as possible, is a subbect that is worthy of consideration, not only from the point of productive ness, but also to encourage a home Induatry, and making it proittable as well to the individual farmer who puts forth his energies to obtain the best possible
results.
As regards the soil, I prefer land that is not too
heavy, thoroughly drained clay loam to sandy soil. heavy, thoroughly drained clay loam to sandy sool.
Sugar beets will do well alter peas tost Sugar beets will do well after peas, oate, barleg.
wheat, clover sod and corn, but not after timothy or following a root crop. I prefer farm manure to artificial fertilizers, but would advise the latter to give them a quick, strong, healthy start. Stiil, one cap obtain good results from any farm manure not conit is better applied in the fall or winter mionths. if applied in the fall, harrow thoroughly in spring. with the drag--harrows ifrst, then use disk harrow until it is after winter manuring, as early in the spring as ground will permit, without being too wet and cold. The ground should be thoroughly cultivated as early in the
spring as possible. Cultivate deep, and harrow, then spring as possible. Cultivate deep, and harrow, then
let it remain until you are ready for sowing, which should be done from the 10 th to the 15 th of May, frrst plowing deep, the depth of the ordinary subsoil,
but not deep enough to disturb the clay; then disk but not deep enough to disturb the clay; then disk
and harrow thoroughly, and roll, and your land will and harrow thorough
be ready for sowing.
I use an ordinary forco-feed grain-drill ube, which leaves rows about twenty-one inches spart
till Still, eighteen inches is sufficient, sowing when the ground is in warn growing condition, using 15 lbs . per acre of seed, and 1 would advise more rather than less, in order to insure an even catch. Thinning without injury to the young plants, using a sixx-finch hoe, leaving them six inches apart, doing the work thoroughly, and leaving but one plant in a place, not Alowing any weas ooren eants. Cultivate an often an possible, espocialy, vat on shower of rain, which will help to conserve the
noisture and also keep the weeds in check. Continue
to do so until the growth of the leaves will not per mit, using a one-horse lever cultivator with knives attached to the back, removing
using one in the center in front.
one-hundred acre ferm, it would an average one-hundred acre farm, it would depend largely upon
the amount of help available-not exceeding from two to ten acres.
One of the most essential things is to do your Work thoroughly, and go about it in a regular busines
way, and there is no doubt one will be well rewarded way, and ther
for his eforts.

## Alfalfa as Fodder.

The merits of alfalfa clover as a soiling crop, to be cut green and carried to the stables, or to be cured for hay, are not known and appreciated
in this country as they should be. There is no other fodder crop that grows so rapidly in spring other fodder crop that grows so rapidly in spring and is ready to cut for soling purposes at so highest order. It is a crop that once well set in suitable soil will stand for several years without reseeding, and may be cut three times each season, yielding a large amount of valuable fodder It makes the most palatable of hay if cut before it gets ripe, and all classes of stock relish it and thrive upon it. For the best results, alfalfa should be sown alone, not mixed with other grasses, as it ripens before any other variety, and must be cut when about one-eighth of the head are in bloom, and before the stalks begin to get woody. It should be sown as early in the spring as the soil is in fit condition to work well, but on a well-prepared seed-bed; any time about the mid-
dle of May is a suitable time to sow. It is prefdee of May is a suitable time to sow. It is pref-
erable to sow it alone, at the rate of 20 lbs . to the acre, without a nurse crop, but if a nurse crop of oats or barley is sown with it, the nurse crop should be sown thin, not more than one bushel
per acref and cut for hay before it is ripe, in order per acre, and cut for hay before it is ripe, in order
to give the alfalfa a fair field in which to prosper If sownflane, it may be cut once the first sum mer ; if with a nurse crop, it should neither be cut nor pastured the first year, if the best con-
ditions for future usefulness are desired. An acre ditions for future usefulness are desired. An acr
or two of alfalfa near the barns will be found a great convenience for early cutting of green feed for horses, or for young cattle kept in stables, while with a piece of portable fence a part of the plot may, with great advantage, be fenced off as
a pasture for pigs, calves or lambs, for all of which it provides first-class forage.

## Drainage Controversy

Two subscribers to the "Farmer's Advocate have had an argument upon the article, "Drainage," by D., in the April 21st issue, and ask for a discussion of the subject. A. says drains made three to four feet deep are not as good for the purpose of drainage as are drains from one and a half to two feet. He has had fifty years' experience in Ontario, and is supported in his opinion by several practical farmers in his vicinity. B. is of the same mind as D. in the article referred to. In discussing this subject $D$. proved their effectiveness, by lowering the water level in the soil, thus deepening the feeding ground or roots. Depth of drains, and their distance part, are so intimately connected, however, that we cannot fix upon one without taking into acto be out of danger of frost. This is not less than two feet, though drains nearer the surface han this have done good service for some time, but cannot be regarded as safe. What is the
most suitable depth will depend largely upon the most suitable depth will depend largely upon the
soil. When drains are put down they draw toward them water from both sides, but the water level between two drains is not necessarily as low as the drains, the water level depending on the
porosity of the soil ; in fact, the water table is porosity of the soil; in fact, the water table is
invariably a curved line, which would reach the surface, between the drains, were they far enough apart or not deep enough
in the ground. The advantages of deep drains, provided they are close enough gether, are a greater amount of evor ill effects felt from drouth, and there is room for more water
in the soil in times of heavy rains, so that water in the soil in times of heavy rains, so that water
may rise considerably above the drains for a may rise considerably above the drains No doubt there are cases where A. would be per fectly correct in his contention, as, for instance, where the basin of land to be drained is small,
and where surface water is present only on rare and where surface water is present only on rare
occusions. We shall be pleased to have for pub-
lication the opinions of readers who have had extended tractical experience with tile draining upon
the point raised in this discussion.

## Selection of Seed Corn.

Now, before the beech leaf, according to the old saying, reaches the "size of a mouse's ear," might be the corn that is to be planted. If left later, the chances are that the work will not be done at all, and that, consequently, the corn-planter will lose in his harvest, though he may gain somewhat in experience. It is now accepted as an axiom that the farmer who seed. In the plant world an kind must select good ollows like: given normal conditions, the progeny will resemble the parents. Misshapen seeds will produce misshapen seeds; seeds not fully ripened will produce imperfect plants; those lacking in strength and vitality will possibly, with the atavistic tendency of all things which are not in progression, produce others even more lacking in strength and vitality than themselves.
Now, no crop is more responsive to judicious and persistent selection than corn. Given little attencion are, hine, and $i t$ can be made merable stuin, glve Many people just plant it year after year without ever closely examining the character of the seed, others ompaning Bulletio 77 of the Iowa Agricultural Experiment Station, should be a holp to all who have not heretofore made seed corn a study. In it, Nos. 1, 2, 11 and 12 show the best forms in the order named ; Nos. 4, 5, 6, 7, 8, the poorest. As will righeen, the finest kerues, those which possess are full and plump at the tips next to the cob, not lon and narrow like the "shoe-peg " type ; they also have large germ, arc are uniform in shape and size. This last quatity shows its value when planting time comes mpornels be of all shapes and sizes, it will be found
imp any planter to "put fin even number per hill.

examine the ears even greater degree, be necessary to proportioned, full in the middle, with well-developed

butts and tips; the rows also should run straigh lowing "e ear-marks "" be of uniform helght. The fol and degenerating ears: (1) The tapering tip, running (3) Rough or uneven surfaces (1) Widoped butts tween the rows. (5) Rows running in spirals. Irregularity in size, shape and dent of kernels. Nubbins or scrub ears. (8) Full development of som of the kernels and suppression of others. The planting a poor yield for the time and labor will only result in tion in character and utility of the crop. Recognizing this, the farmer should see to it that he plants only
the best class of kernels, procured from the best class of ears.
those varieties particular is worthy of attention. Only their pollen and mature at the same time. The rea son is this: From each ovale in the undeveloped kernel there runs a tiny strand of " silk," the aqueduct
which is to carry to the nucleus the pollen liguid which is to carry to the nucleus the pollen liquid
essential to develop the kernel into the full seed. Now. it may be readily seen that if part of the silk receives the fertilizer from the pollen of an early variety, and part from that of a late variety, the kernels will not
develop evenly, the early-maturing ones growing so rapidly as to crowd the softer growth of the adyors
later maturing ones, with the result either of suppress ing them, forcing them out of shape, or even causing them to split open. When such ears as these are
stored, the kernels which have thus failed to ripen Iropperly often mould, and in a short time rot. As
a final word, we quote from the Bulletin: ". The questi.n resorves itself into one of getting rid of these un-
profitable ears, and of planting only vigorous earprofitable ears, and of planting only vigorous ear-
producing ones. $n$ an average, one stalk in every
seven acre in overy seven planted to corn is worse than
wasted limause of these unproductive stalks. Yet, little time and care in selecting our seed corn-not a
dollar in outlay is required- will materially lessen this enormous loss. We cannot pay
the selection of our seed corn."

## Preparing for Turnips.

has come. If the . land has been put into proper con dition by fall plowing for the frost to do its work, the spring should find it in good mechanical condition. As
soon as land can be worked in the spring cultivation will form a mulch, and prevent the surface of soil moisture. This surface cultivation should be continued at frequent intervals, until the time for sowing has arrived. Another benefit of frequent shallow cultivation is the killing of weeds. This and the bette tilth will materially assist in the growth of the plants. The manure should be got upon the land as soon a possible, in order that it may be thoroughly incorpor ated with the soil. The turnip, being a gross feeder
requires a large amount of plant food in readiness for assimilation. In the early part of June, if the cul tivation is completed, drill from twenty-eight to thirty inches wide. Immediately after, roll the drills, eithe with a land-roller or the empty turnip seeder. Thi
prevents the seed from being sown too deeply assists the soil moisture in reaching the seed, which sown immediately after the rolling. This rolling is wasteful of soil moisture, but necessary to the germi nation of the seed in a dry time, and rain cannot b depended upon. The loss of moisture can, in part,
prevented by the use of the horse-hoe after the plant come up sufficiently to avoid covering them.
Furon Co., Ont.
FARMER'S SON.

## Spraying for Mustard.

## ALSO DESTROYS BINDWEED AND SOW

With the spring comes the perennial question of wild mustard. No need to warn farmers against the pestiferous character of this weed there may be necessity to remind them, however will ever eradicate it, and that exery year delayed means a task so much the harder. Bulletin 216 issued by Cornell Agr. Exp. Station, adds an other testimony to the efficacy of spraying as proved that spraying with been tion of copper sulphate (about 10 lbs . to the bbl, or 40 gals. of water), at the rate of 40 to 50 gals. per acre, klled the mustard when applied when the plants were young, without injuring to peas or sugar bects among which they grew Beans, potatoes, turnips and rape, on the other hand, were killed or injured by the solution. It was also found that the spray killed many othe species of weeds beside the mustard, such as curl
dock, black bindweed, dandelion, and sow thistle while still others were in no way injured by it . In spraying it is necessary that the pump and all the fittings be of brass, as the solution is very destructive to iron. The vessels should b wooden, and the spray applied in bright, clear a common barrel pump can be used, placed in a wagon, with a spray nozzle at the end of a lead of hose, which may be swung from side to side be
hind the wagon, by means of a rod four or five hind the
feet long.

## Sow Thistle-Sugar Beets.

In answer to reader's article on sow thistle,
would say we seldom have any bother with it if taken in time. We found that sowing buckwheat, and cultivating late, generally made it disappear, and a the same time you had a crop of buckwheat to pay for your work, which consider very good as a cover crop,
sown at the rate of one bushel per acre. Buckwheat paid us better than any other grain crop last year.
By sowing late we avoided the drouth and did yield. cultivation of beets. I have grown them on different both, but never did I sow more than four and a half pounds per acre-more than that I considered a sheer
waste. I always drilled twenty-six inches apart, thinning out to twelve or fourteen inches in the rows, and per acre time and again, of splend bets. Leeds Co., Ont.
WILLIAM LENEY.

## Success with Nut Trees.

persons asking about black walnuts. I have some arg some already earing nuts, and younger walnut and butternut rees coming on. Those trees are good growers; futs are more valuable to sell than apples, as they he trees, bruises do not hurt them when they fall. The trees ornament the farm ; they can be planted around for fence posts, and the mice will not girdle the bark like other trees-they do not like
the taste of the bark. STANFORD ZAVITZ.

THE FARMERS ADVOCATE

## Ginseng Profits Doubtful

 couple of letters recently in has received seng culture. Last year we were taken severely to task for cautioning our readers about being led to embark in its culture as a " get-rich-quick" crop. From our observation and knowledge, four or five years would be required to mature a crop of roots, and that under somewhat trying condicertainty about future marketing, the demand be ing from Cl:mit, where it has the reputation of "cure-all." it is now stated that the Chinese market is while the Corean ginseng, which seems to be of especial value, owing to conditions of soil and climate, is increasing so greatly that the pur chasers of the last crop were obliged to destroy a going to pieces. The present quotations for gin-seng look rather high, but the probabilities ar that if a culture of the plant in this country wer taken up at all seriously, the entire Chinese de-
mand would be oversupplied, and the price would mand would be oversupplied, and the price would
decline until it reached next to nothing. It is asserted that the entire export crop could be
grown in a field of fifty to seventy-five acres.

## DAIRY.

## Scottish Milk Records.

rather novel scheme for the improvement of Tarm dairy herds was inaugurated last year by land. It was arranged that experts in milktesting should visit certain herds in three counties, at regular intervals of two weeks, and remain night and morning milkings, and so able to judge night and morning milkings, and so able to judge form was filled out : hence at the expiration of the time set for the visits of the experts, the dairymen knew exactly what each cow was doing and were thus enabled to detect and discard the unprofit able ones.
Several interesting facts were presented during the experiments. It was found to be the rule that the animals of medium size gave more milk than
the large ones; that the large ones varied most the large ones; that the large ones varied most
in yield, and also required more food to keep up in yield, and also required more food to keep up of fat also proved to be less in the milk of the
large cows than in that of either the medium or
amall ones.
In the testing of Ayrshire cows as regards age,
there was shown to be a uniform and steady inthere was shown to be a uniform and steady increase in the number of galions of milk containyears up to eight years; from nine to twelve a slight decrease was noticed, and after that a
gradual decline. The difference between the gradual decline. The difference between the olds was shown to be an average per year of age of nearly 18 gallons. At three years old the milk was of slightly higher quality than at any other age; the difierence in fat, however, contained in cows was so trifing as to be practically not worth paying any attention to. When the milking was done at regular intervals of twelve hours, there was very ittle difierence in the quanmilkings. When, on the other hand, the milking was done irregularly, eight or nine hours only elapsing between the morning and evening milk. ings, and fifteen or sixteen between evening and norning, a great difference was noted, the morn-
ng milk containing a much smaller percentage of fat than that of the evening.
The difference in quality as well as in quan-
tity of milk obtained by milkers of different derees of efficiency was strikingly shown. In one
case, where a skilful milker did the work, the milk tested a fairly high average. A poor milker succeeded to the care of the cows, and immediatey the milk tested lower. Again the former at-.
tendant resumed the work, and again with the same result, more milk and of a higher quality : will not do if the possible profit is to be gained from cows, and that, unless one would reap the
reward of the unfortunate milkmaid of the fable, who aimed too high and lost everything, one must

Rushing to Canada.

## The British Board of Trade returns for April show hat the emigration to Canada was: English. 7.699 : rish 487 . Scotch 2280 . foreigners 2 asi

 Irish, $487:$ Scotch, 2,280 ; foreigners. 2,260 The Thesereturns include first-0lass pasiengers. The rush to advertifing that many ateamern to sall are full up.

Does Aeration do Any Good Mr. J. W. Mitchell.-Professor Dean speaks of milk. Do his experiments lead the aerating of to believe
that there is any advantage derived from aeraion?
Professor Dean.-I do not know that I made any experiments on that exact point, but I can sult of improper feeding, exposing it to the air
will allow these gases and volatile oils to pass will. allow these gases and volatile oils to pass
off. I made no direct experiments on that point et I can believe that, under such circumstances expose milk to the air. And that would be a physical advantage.
Mr. J. W. Mitchell.-I understand that you and leaving the other unaerated, and made cheose of the two.

$$
\begin{aligned}
& \text { Professor Dean.-Yes. } \\
& \text { Mr. J. W. Mitchell. }
\end{aligned}
$$

find that one made better cheese than the other went, found no far as experiment. But we feed on good wholesome food. understand that, where there might be gases aris ing from improper feeding, it would be an advan-
tage. Mr Stratton had charge of these matters, and knows more about them than I do. Mr. R. W. Stratton.-Before I commenced the ot absolutely necessary, it was certainly advan the results ate milk; and I was much surprise railk was mixed together and then divided into wo parts. One part. was aerated, and the other was not. We also tried different rerators, and
sometimes the milk was cooled and sometime


Yorkshire Sow, Colston Lass
Vioner of championship medal for best pig, Dumpfies
Show, lion. Age three years and six months.
was beneficial under our conditions that aeration was beteficial under our conditions
The Chairman.-Would it be
general conclusions from your experiments at the Ontario Agricultural College, where conditions are difierent probably from those 'at the average Profe
Professor Dean.-Perhaps our conditions, so far as feeding the cows and caring for the milk are arm. The farmer may be compelled to feed his cows in such a way, or the cows themselves may advantage. But, on the other hand, if the aera tion has to be done in the barnyard, or where the cows are milked, it would be apt to do the milk War cooling milk is all right, I think that, so advocate cooling it with is concerned, we shosure to the air, unless we are sure the air is pure.
Dr. Connell.-l was plad to hear Professor ome out so plainly in ome out so plainly in speaking of the aeration in dairying, some six or seven years ago, I have not seen, either from a theoretical or a practical tandpoint, any advantage in aerating under the 0 admit that there may be an advantage in carry ng off odors in case the animals may have eaten certain feeds, or in case the animals suffer from indigestion. But I certainly would not be pre pared to say that aeration in the conditions of of milk, I think, is the most important partgetting the milk to a temperature below the point at which bacteria which may obtain entry can grow and multipy and bring about flavors, deleterious or otherwise
place for the aerator where the air is pure, and you have cold water under pressure, the system Dr. Connell speaks of would work well. But most done as the millking goes on, it is done in the yard or near the stable, places, in which, in my
judgment, it would be risky to cool milk. As to
washing the paddles which we use in the cans they are very easily washed. There would not be much difference in the labor as between washing these and washing a cooler, but then there is ex-
posure of the milk to the air while the milk is passing of the milk to cooler
METHOD OF COOLING MLLK MUST BE Mr. Subl SIMPLE
mportant questionink this is one of the most ference. About fifty per cent of the in this cont the cheese factories in Eastern cans delivered in the barnyard and milking yard, or in close milk delivered at these. The main defect in is that it is overripe and not clean-flavored. Fully lifty per cent. of the farmers who send milk to the set it in its place. Some of them stir the mill but fifty per cent. of them do no cooling whatever. If we can do anything towards the adoption of a good and uniform system of caring for
milk, it would be well worth doing. But the method must be simple. The instructors with the are advocating the building of a separate stand for the milk, and combining with it an ice-house. a clean place. Cool the milk immediately after milking, and while it is conling stir it. We advocate, for use in stirring, a dipper with a solid handle, something that can be kept clean. After
the milk has been cooled to sixty-five degnes the milk has been cooled to sixty-five degrees, the milk cooled and kept in a, clean place, we can
do more to raise the do more to raise the standard and quality of cheese in Eastern Ontario than we could by sending out a hundred men next year to instruct the makers. The raw material is the first thing, and plan we propose must be simple and easily carried out. I believe that, under ordinary conditions, posure of air. I think that simply stirring exmilk is all the aeration that it needs. But it must be cooled in ordor to make good cheese.
Mr. Chapais.-Early last season there was Mr . Chapais.-Early last season there was in
Quebec, as in some other parts, a very severe drought. In making a thorough inspection of due to the facters, we found milk of poor quality, because there that the cows had eaten weods, bad water. In every instance where the milk had where been aerated we had a very stinking curd, but chere the milk was aerated we had no stinking
curd. Where milk is bad through such causes as I have indicated, we need aeration; but if the milk is as good as we find it at the Ontario Agri-
cultural College, we can dispense with aeration if only we can get the milk cooled.
THE MAKER DEMANDS GOOD RAW MATERTAL Mr. Waddell.-This is a burning question with us as makers. If we could get the milk in good condition, the majolity of our troubles would disappear. we get the milk in proper condition, not only can we make more cheese and butter, but we can get an increased price. Aeration is, all right, but in deal of difference of opinion arises as to good aeration is. Some say that what fs called aeration is no aeration at all, the air not being pure. But if Proiessor Dean s ideas can be carried out, seventy degrees, we shall have little trouble There are other things to be considered, such as feeding cattle with turnip tops, and so on, but we with keeping the milk at too high a temperawith keeping

## Heavy-producing Jerseys

The following references to the Jersey herds of
ord Rothschild and Dr. Watney are teken from an Fnglish and Dr. Watney are taken from gallon is ten pounds. In England, an imperial Tring herd averaged 660 pallons, figures in ther than the great majority of averages of dairy farmers who keep Shorthorns and other large cattle of anown deep-milking type. Among the animals cferred to was one which grave 1,280 gallons, and
two others which nearly reached 1,000 gallons eactl. A third cow, which gave over 850 gallons, has averaged 870 gallons for five years, while the biggest milker of all has averaged 950 gallons cattle in the herd, and the advantage few inferio is that they cand, and the advantage of a record is known. Lord Rothschild owns many more Jerseys, but the twenty-six referred to are those which were in the hierd for a whole year. A few of the others included purchased animals or heifers
which came into the herd during the year, white which came into the herd during the year, white
a still larger number were animals which had gome nut of the herd during the year, and the records Which were, in consequence, imperfect. The details regarding Dr. Watney's herd of Jer seils of the Then - Part tort, ind orct more
have a wonderful result. In both cases the bookcounted for being almost balanced in spite of its quantity ; and yet Dr. Watney's herd is kept entirely for buttermaking. Twenty-three cows averaged 457 lis. of butter per head; no less than

seven cows exceeded 507 lbs ., the famous Sharab yielding this quantity, and being seventh on the | list, the best producer being a cow that yielded |
| :--- |
| 545 | 545 los. With one excepton, end it is considered

more than 360 lis. of butter, ano
that the quantity is even above the average o that the quantity is e
most herds in England.

## Influence of Food on Milk.

It is well known that milk may be watered through the animal body "-this is the key to an article 'by Allen B. Graham, published in the Transactions of the Highland and Agricultural Society of Scotland for 1904. Incidentally he touches upon variations in food rations. A serie of interesting experiments was carried on by Graham, for the purpose of testing particularly a to difference in water supply. as follows: Two cowe were given the following rations per day

15 to 18 lbs. long hay
Hot mash-
4 lbs. chaff (cut hay and straw, equal parts)
2 lls . bean meal.
2 liss. bruise.
3 gals. water, and 2 ounces salt
Treacle drink; 4 gals. water
On the 4th of February, the mixed morning milk tested, butter-fat, 3.35 ; solids not fat, 9.7 . On 5th February, the water was increased to 10 gals. A sample of the mixed mile was solids not fat, 8.8.

On 3rd March 6 lbs . Indian meal was substi tuted for the cotton-cake, thus producing a ratio lose rich in albuminoids, and the cows were fed thus for five ration was given, and continued fo much richer rat This time 6 lbs. decorticated cot ton-cake and 6 lbs . bean meal made into a por ridge were given instead of the 6 lbs. Indian meal the hot mash in other respects remaining th same; but the wallens. The results of the experigallons showed that during the five weeks, when 1 gals. of water were given, the percentage of but ter-fat was quite low; immediately, however, afte giving a ration richer in albuminoids, and in creasing the water to 6 gals., higher, till in the seventh and eighth weeks it was over $3 \frac{1}{2}$ per cent., the increese in the quantity in each case being in inverse
During the following summer a number of cows were put in a pasture, with an wet, it was sup-
supply, and as the summer was posed that the cattle took a great deal of wate along with the grass. Under these conditions even when fed 6 los. decorticated low. Indian mea was substituted for the cotton-cake, with the re sult of a very slight decrease in fat; hence $\mathbf{M r}$ Graham deduced that the quantity and quality milk from cows fed on grass during a wet seaso cannot be influenced to any great exteulating the
ing, and that it is mainly by regur amount of water consumed the per cent. fat in the milk. Mr. Graham also considers that overmuch water has a deleterious effect on the quali
Regarding the question as to whether the qua ity of milk is increased by difference in quantity or quality of feeding rations, a summary of result attained through experiments conducted by Pro fessors Farrington and, wo in feeding rations will to show that an increase in of milk, provided the cows have not been starved or underfed to begin with. The quantity will be increased, but n the quality. For the finst few days after th as soon as the cows have got used to the new rations the milk returns to its normal quality, hence, the professors have concluce is natural quality of milk a cow gives is natural
to her, and that the only way of permaning of cows that give poor milk, and keeping only those whose milk is rich in butter-fat. On the other hand, it must be remembered that,
though one cow may give poorer milk than anhough one cow may give poorer milk than an-
ther, he may more than make up the percentage
he thr larger amount she yields. The persistency

Holsteins Healthy and Thrifty.
In the course of an address before the Hol-stein-Friesian Association of America, Prof. H. H. Dean, of the Ontario Agricultural
' First, we have found the Holstein-Friesians in our experience at the College, where we keep six or seven breeds for instructional purposes for our students, a healthy and a thrifty breed of cat te. We find that some breeds that thrift, that have that strob eich al may them ready aherent quality which almost anything or their meals, and at a which may come up; and I consider that a very strong point, and I believe that the Holstein catt of that vigor and thrift and health enstitution which is now so imporheant and int famous breed of cattle, Then we find in our experience that the calves are trong and good doers. I have never known in ny experience with them a calf to come weak, or equired nursing and coddling, or any extra atention. Without exception they come strong, and are good doers, and in two or three weeks we can put them on skim milk, and soon begin to feed them bran and oats, and they begin to thrive right from the start.

Then another strong point of the Hoisteins heir size. Some people say that size is a detriment in the dairy business ; that if you can get a small cow to do a given amed, and that she will produce milk or butter or cheese more economcally, because she is of smaller size. We have looked into this matter pretty carefully, and we find that the difference and a small one, for the production of a given quantity of milk or butter, is largely in the rough feed-the cheap food-and whether a cow be a large one or a small one, she will require just about a cer ifference in the food which is eaten by the large and small cows is in the cheap, rough, bulky food, and not in the concentrates. We find that a cow requires about eight pounds of meal for each produces in the milk.

The next strong point of the Holsteins is that they are regular breeders. We have found ting our experience very murb less trouble in get cows belonging to other breeds, and we very seldom have any difficulty in that respect whe dairy men a great deal of annoyance.

## FOULTRY

## Core of Laying Hens.

It is very necessary that fowls should have some place where they can dust in dry ashes or quantity of black sulphur in it. The birds requir this to keep themselves clean and free from sects, which are fatal to their welfare. If by any chance birds have insects on them, they should be yot rid of as soon as possible. There is no doubt insects than people are aware of; but where care
and extreme cleanliness are practiced, there should be no trouble from this source.
We must not forget the birds' digestion. gizzard is the organ mainly responsible for the preparation of the food for the nourishment of the
cody, but something is required to aid it in it work, and birds at liberty naturally pick up (1s
they can get it), by instinct, whatever is neces they can get it), by instinct, and if a gizzard opened, we shall find small bits of sharp stone o other hard material. Where the land over which
the birds run abounds in flint or hard bits stone, it will not be necessary to supply material of this kind, but if there is not sufficient on the land, or if there is danger of its being exhausted
after a seas on or two, a supply of sharp flint grit should be given, and it must always be supplied to birds in a run. Material of this kind must b hard to be of any use. Cinder or broken lime is of no use whatever. Many people confuse the us
of lime or broken oyster shell with that of grit The, former is extremely glood for the birds, as they need material of this kind to form the shell of the egg, but grit is necessary to the digestion
if there is any doubt about it, give birds which have leen without grit for a week some hard their food. Green bones are very good for birds and any flesh may be hoiled and given with ad vantage in small quantities in the winter. Broody
hens should never be allowed to remain in th nest, but should be removed to a coop and prop

## Canker in Turkey

reader has an ailing turkey, and gives the following symptoms: She does not seem well but I cannot see anything wrong with her, ex cept that she sneezes, or coughs, and opens ber bill when she breathes; or, at least, quite often Her head does not seem to have anything the matter with it. I have sprayed her throat an nostrils with coal oil, but she does not seem get better; does not seem very thirsty; will eat little; is quite heavy and lat. Last fall our 2 turkeys had what we thought was !sap. two died The breasts of six of them were quite beat over-1 one side, and they would walk lame; some did not eat very well, and wour If it was roup they hai had discharge from eyes. If it was roup they had last fall, will they be likely to have is there anything that would prevent

Replying to this inquiry, W. R. Graham, of the Poultry Dept., Guelph, says : "I would say that turkey is canker, possibly in the mouth, but in turkey is canker, possibly inkelihood in the windpipe. Canker is a form of roup; some poultrymen consider that dis temper-that is, the discharge from the nostri that is not offensive-and the canker or growth
white cheesy matter on the throat and in th windpipe, and the common roup-that is, where the head swells up and there is an offensive dis charge from the nostril-are different diseases, bu according to scientists they appear to be one an canker is quite common in the spring and winter canker is quite common in October to the first of January, and earlier in the year, we see more of the distemper.

The only thing that I know of that you ould try on the turkey in this case would be to oup cures, such as Morgan's, of London. Yo would then need to dampen the blunt end of a tick, that is, about the size of a match, and dip in the permanganate, and then get as much a possible of the permanganate off the stick onto the windpipe. Of course if the seat of the trouble s half way down, or on the lower part of the windpipe, the
of touching it
./ The disease is contagious ; the trouble with the turkeys last fall was in all probability roup. The treatment of roup is not very satisfactory, and I would suggest that your subscriber get the
bulletins from the Department of Agriculture at Toronto on this disease.

As a prevention, try and keep the turkeys much as they will, and do not house them roam as night. There is nothing that will give chickens turkeye roup quicker than to house and roost in close, stuffy, or drafty houses. Fresh air is an excellent preventive, and in some cases a cure or the dizease. For instance, I have seen chickns that were slightly affected with the disease, ting them to roost in the trees, say in the months of September or the early part of October, have ot them practically over the trouble.
There is danger of the turkeys contracting the disease by travelling over the same ground as last that he used, say with a $5 \%$ solution of carbolic acid, and where the turkeys roost sprinkle freely ir-slacked lime, or what is betler, take a bushel of air-slacked lime and add a pint of crude carhe ground with this, he will remove the danger,

## Breed Out " Broody Hens.

how to keep hens from getting
I would ask, how many farmers try to " breed out " farmer goes to the barn, gathers a hatful of eggs, knows about it. The probabilities, however, are that when he set that hell he set her with egge laid by $t$, and he is breeding into the very thing he only knew o breed out. The three important factors in building up a flock of hens are type, strain and selection. A hall dozen of the best-typed hens, mated with a
male of good type, will give the average farmer all
the eggs rquired for hatching purposes. This fall, from the chicks hatched from this fock select for breeding purposes those that develop quickly, and are of good market type. In this selection, you market demands. Then, of this selection, select eggs for next year's hatching, eggs only from hens that lay
the earliest and show the least inclination to get broody. In this selection youare building up the lay-
ng qualities of the flock, and in following this selection process for toro or three years you will build up a Government Poultry Breeding Station,
Durham Co Ont.

## Rearing Ducklings.

Upon the early treatment of the ducklings a great deal depends-in lact, it may be sald that the first couple of weeks is the most important time in their
lives. Whien they are for killing immediately they are large enough, "forcing food must be supplied, other wh possible. O dea should be to allow them to grow and develop lowly as only in this manner is it possible for them to attain a large size and a good sound constitution in the former case the ducklings should not have access to water in which to swim, as the less exercis they are given the more rapidly will they add on flesh. When for stock purposes, they may be permitted int he water as soon as they are old enough, the age d ending upon the weather
rom the shell, the ducklings should be fed on hard boiled eggs, chopped up finely and mixed with biscuit meal. Frequently one sees bread-crumbs recommended but i have never had as good results from these ring about bowel trouble. The food should be moistened with warm water or milk, but not sufficien o make it sloppy. The eggs would be discontinued a orm a staple diet Notter food can be given to ducklings during the first week to ten days after the eggs have been left off than biscuit meal, well soake in hot water, and dried off with ground oats. Variety in feeding is one of the causes of success, and no one Oatmeal is perhaps one of the best possible materials for eeding to ducklings. Some are in the habit of supplying ood in a sloppy condition, and when this is the cas the first week or ten days. Personally, I have had better results preparing the food in a crumby moist
condition, and giving a plentiful supply of water.-Ex.

## Egg-eating Hens.

The question, "How to stop hens from eating their
ggs ?" has been asked several times through the ggs "" has been asked several times through the
columns of the "' Farmer's Advocate," and has been answered, by "using china eggs," trap-nests,
ing vinegar," etc. egg-eating is neither a habit nor vice, but is caused by a craving for egg-forming material, of which there
has been an insufficient quantity in the feed. This has been an insufficient quantity is immediately overcome by feeding the hens yster-shell, which can be procured from any poultry
Onster-shell and grit, of which a hen will eat about one-quarter pound per week while laying, should always be within reach of the hens. Farmers, would secure a far greater nut ention. A. W. FOLEY.

## GARDEN AND ORCHARD

## Be Sure to Spray.

There is just a possibility that owing to the comparative immunit rom orchard insects and diseases last year, that praying hould be. Por moths, should have le, and Pars bis date, it is not too late
 The second and third sprayings, or those just be fore the blossoms have opened, and after they have fallen, are the most important for apples an pears, but the first should not be neglected. he coding moth, he the blossoms is a sign to be in spraying. Spraying must now be regarde as a type of insurance, or a system of protec-
tion. The eggs of insects and spores of diseases re er the trees against them. Everyone recognizes the necessity of spraying botatoes to insure a crop, and of disinfecting a house to stamp out a contagious disease, and praying of orchards is nothing more than these wo operations comer let several neighbors unite to purchase a arge pump, hose and nozzles, and undertake the work just as they would threshing or other large arm operations. To a barrel containing issorved allons of water, add four pouns slacked lime, and four ounces of Paris green. Mix well, and apply in a thin spray. Do not attempt to drench the trees, simply spray them. After the operation is completed the leaves are colored with the ally four or five applications is sufficient for this purpose, and frequently three sprayings will be all that is required

Some Timely Vegetables
By Mrs. Anna L. Jack.
It is often a surprise to find in rural districts that many choice early vegetables are excluded from the garden. tach sping thas a tempting array dieplayed in store and market for residents of the city. There are tender asparagus, young onions, lettuce and radshes, wio spinaci is brought from afar to be the principal greens at that season. Al these, except asparagus, grow annually, and can be eight weeks from sowing of seed, when in in itselp having the country dwellers have over these who are dependent upon the markets. for while tilling the soil we are entitled the thest gifts it an give, and fresh vegetables early in the season are certainly of value.

Foremost among these, for quick growth and early use, is spinach, a favorite and wholesome vegetable, cultivated for the sake of its young leaves. It is an annual, and must be used before the stem begins to develop, for the leaves become bitter and unfit for use after the plant has grown.
Spinach was introduced from Asia into Spain by the Arabs, and they were very well aware of its value as a food. It is now considered valuable condition of body. John Evelyn, an old writer, says of this vegetable in 1699: "Being boiled it is an excellent condiment for all sorts and conditions of men,
it may acconupany a sick man's diet. 'Tis profitit may accompany a sick man sidet. almost any In cultivating, it is a saying that lean land makes lean spinach, and it needs rich soil, so as to make quick growth.

In preparing it for the table, spinach must be given a steady rinsing and drain. Then place


A Good Sample of Radishes
it in the pot, with à small quantity of boiling water and a little salt. Pressing, which will be from ton to fifteen minutes, and drain well ; then press it into a dish, with butter, pepper and salt chopped in, and send to the table fresh and hot. in is a common practice to use too much water in cooking this vegetable,
which renders it insipid. Over-cooking spoile the flavor. It is most likely we all know the value of nions, and they need no special recommendation. The essential oil has stimulating properties, and diuretic as well.
The Jews and Arabians, who use garlic as an
article of food to excess, were in the habit of emarticle of food to excess, were in the habith ereat ploying it
A few seeds of lettuce and radishes sown among the onions can be pulled out early, and not be tity of milky juice it contains, which on popure properties of opium in a mild degree. Whe mibstance has a sedative effect on thpse Who ent largely of the plant, and is useful in nervous diforders.
Radis
Radishes are of value in scorbutic conditiong of body, and are stimulating to the kidnevp helng
chiefly used in a salad with lettuce and endive. The Jerusalem artichoke that livee is the ground all winter is useful in spring. It If really a species of sunflower (Helianthus tuberosul), but is a vegetable to be used in soup, and hloo poffed potatoes where they have failed. The plant is recommended to be grown on dry arid polto, that are liable to great drouth, and the tubprom make excellent cattle food, for they have the diolity of
allaying thirst, while the tops are cured to make allaying thirst, while the tops are cured to make tioned here are such ais can be growh durit the
spring, and also used to fill in the ode places in spring, and also used to fill in the add places in
the garden, and give a quipk return.

The Fertility of Our Orchards. In view of the favorable reputation which Canadian apples hold in Great Britain and the European continent, and the large and rapidly growing trade which carried on in fruits of all kinds, but especially our power to incrit-growers, shound and add to the quality, in face of the increased competition from other countries.
The

The question: "How shall we maintain the fertility of our orchards ?" will be asked by all. Som
say, use stable manure. This is all right as far a it goes, only it is not a complete manure for orchards having an insuffcient amount of potash, and, under our present system of growing leguminous crops, it has
much more nitrogen than is necossary. But the chief much more nitrogen than is necessary. But the chie
argument against its use for the orchard is that no farmer has more stable manure than he cain apply with profit to his ordinary crops, and if he applies it to the orchard, he must skimp some other part of the farm, which system, if folm
eventually run down the farm.
This system of "robbing Peter to pay Paul" is seen to perfection in Southern Wisconsin among the
tobacco growers, where it is a common saying thet tobacco growers, where it is a common saying tha farm will steer clear of one that has grown tobacco. Here, the fault is not so much with the tobacco as with the farmer. Tobacco being a money crop, and also requiring
large quantities of manure, it is and Large quantities of manure, it is a common practice to
apply the entire amount of manure made on a farm to a few acres of tobacco, which practice, in a series of years, will surely run down the farm. The same they er or if tobacco will not pay for its fertilizer, better so out of the business. So, before we in Ontario rym down our farms, we had better decide that if fruits will not pay to buy fortilizer for, we hatheler a The next question would be, "What shall we Those who are situated near towns can buy table manure, but for the majority of farmers this sa impracticable. Even in favorable cases it is doubtrul it for large fruit, it will pay for the reasons given above
In some cases, poor land, or where a proper aystem In some cases, poor land, or where a proper sastem
has not been followed, it may be desirable for a time
to use stable manures, but the succesent to use stable manures, but the successtul farmer mus get his nitrogen cheaper than paying twelve to sixtoeen
cents per pound for it, and he can obtaft it for nothing by means of a leguminous cover crop. of all the different cover crops advocated, I belleve lucerne
clover to be the best, as it will make a better growth clover to be the best, as it will make a better growth
in the dry weather which we usually have in the fall in the dry weather which we usuaily have in metter root growth than the common red clover, which is favorably known for this purpose Lucerne is subject to beling winter-klled, but thit make little difference where it is sown to be plowed mide in the spring. The ha But I would give a word of advice. Don't sow too
early in the geason. Remember, it is a full apild barrel, rather than a luxuriant cover crop, which it grower loses an enormous amount by stopping the grower loses aa enormous amount by stopping the be sown a month later than usually advised. Nover sow a cover crop until you feel sure thint the applee picking, er case that no ra fine cover crop, but it will produce more apples. Luxuriant cover crops will provide for all the nitrogen necessary, but something else is reguarred or we "ib firmly believe that the popularity of cover crope gether with the use of stable manure, has had much to do with the cry that Canadian applos are not teoptry as well as they did in former years. We all hnow largely a nitrogenous manure, will grow a large pie soft apple, lacking in color, flavor, long-keeplng quali"ifes, and that knindescrfitible elemint often semoe snow," for which Canadian apples, are noted. 1 records, in order to find where the poor-keeptig apple come from. Thus we see we can provide ourselves whit an abuandant supply of nitrogen and humus, but we annot get in that way the Experiment statio
two per cent, of nitrocommend a fertilizer contain and two per cent. of phosphoric acid but. if of potaser ystem of cover crops is followed, I think we can leave out the nitrogen and use potash and phosphoric acld materials, "common sense" would teach us to use our own waste matters; that is, bone meal and woo ashes, which at present we ship across to the Unite tates to improve the quality of their fruit:
in the raw being less in price more ecoa. higher percentage of phosphoric acid, though lower in nitrogen, which is no detriment in a properly managed orchard.
For the potash, we should use the ashes produced at potash salts, particularly solphate and muriato of potash, which are very high grade, containg Aity per sent. of pure potash, while ashes contale only tve per
salts mantioned are worth ifve times the value of ashes, and as a commercial article the former are usually
more ecomonical source of potash than the ashes.
Grey Co., Ont., Canada.

## Sod versus Cultivated Orchard.

There is a great deal more in this ques-
tion than appears at first sight. I do not think tion than appears at first sight. I do not think it can be answered in terms of "yes" or "no," do not believe any rule will cover the question. In
the first place, I think we ought to consider just or a moment what we have in an apple; what an apple is; how on apple lives and grows; what is
its life cycle; what are the conditions which bring it to maturity slowly; what are the conditions which close up its life cycle quickly, and in this way cause it to decay. An apple is ais much a iving organism as any other part of the tree, and there is no time in the life of that apple from the the apple has decayed and rotted, when it is perfectly at rest, unless it be in absolute cold storage. Consequently, the apple is moving on fro neenness to maturity, to old age and decay.
Now, then, what connection has that state with Sod vs. Cultivated Orchards? It is my opinion that any condition which will tend to maure an apple quickly on the tree will, therefore end to make it short-lived. As a general rule,
our highly cultivated lands will develop apples quicker, make them grow larger, push them through their life history more speedily than orchards in sod; but not all. I have seen tilled sical condition that they did not produce as large growth, or as quick growth as other orchards not far distant in sod. The difference was in soil conditions. In one case there was good soil conditions; in the other case poor soil conditions. which was cultivated down in sod, and cultivate the other orchard, we would have a very different result, so that this whole question must be considered in terms of conditious. If one has land in such good condition, with surh an amount of down in sod and feel sure of getting apples good size and color, and apples that will keep as well, it is all right, let him do it; but he must
first prove his land. I do not think because Mr. first prove his land. I do not think because Mr.
Smith or Mr. Jones, or anybody else, is successful with tillage or non-tillage on his land, and under his conditions, that you can take it for granted you can carry into practice on your soil the same system. In the first place know your ground, will bring about the best result think one must study conditions.
I think it is safe to lay down this general principle: An environment that causes the fruit i appears to cause it to piss through the remainder of its life history after it is picked, whether stor in common or cold storage, relatively faster than the same sort grown more slowly. If either sys tem produces this type of growth it probably cuts
down the keeping quality of the fruit. Orchards under tillage, and cover crops, on thoroughly well drained and rather high land, are likely to produce fruit of long-keeping quality. on lower land, the keeping quality would probably be poorer. If growing tendency may be induced in the fruit, and the keeping quality is likely to be cut down. On
the other hand, if the sod orchard is on thinner the other hand, if the sod orchard is on thinner or higher land, the fruit grows more slowly and
the keening quality is thereby lengthened. So the keening quality is thereby lengthened. So
we might have a cultivated orchard in one case which will bring about, that condition more rapidCraig, before the Western N. Y. Hort. Society.

## Weighing Small Articles

Many farmers having a large farm scale with a
capacity of from twelve to slxty hundred pounds capacity of from twelve to slxty hundred pounds, have
no means of wetghing accurately any article welghing
leas than, is necessary to weigh less than this, and the usual farm scales are at hand, the following method will be found quite simple, and, what is often more important, it is ordinary farm scale a one-pound weight must be put on the counterpoise to weigh articles over one hundred pounds. In other words, tone pound on the end of if, then, it is desired to find the weithe platform. If, then, it is desired to find the weight of a small
article, it is only necessary to attach it to the counterpoise at the end of the beam and place weight enough on the platform to exactly balance it : then weigh What you have placed on platform in the usual way, and divide its weight by 100 to find the weight of the
small article. Thus, it will take twenty-ive pounds mall article. Thus, it will take twenty-five pounds
on the platform to balance one-quarter pound on the counterpoise, or six and one-quarter pounds on
platiorm to balance one ounce on the counterpolse. In some large scales, the "100-pound "welght
$\qquad$

## APIARY

## Spraying Fruit Trees

Spring, who so long delayed her coming, seems to have arrived at last, and fruit trees will soon be in bloom. The following timely resolution, passed by the Flgin spaying in full. Association at their spring meeting in St. Thomas recently:

Resolved, that this convention condemn the spraying of fruit trees while in full bloom as an injurious practice, and a waste of time, labor an money, as well as a detriment to the honey-bee, a insect of value in assisting proper fertilization of the blossom, and likewise contrary to statute lew.."
The

The value of bees to blossoms is steadily be coming more generally known, but there are stil many vague ideas concerning it abroad. Puttin it plainly, plants as well as animals reproduc themselves by the union of opposite sexes. The
parts of the flowers are, as it were, the sexual prgans, the pistils being the female, the stamens being the male organs. The former contain ovules or embryo seeds, and the latter pollen
which must come in contact with the ovules be which must come in contact with the ovules be fore they develop into seed. Many blossoms conveloped fruit, cross fertilization must take place that is, pollen must come from other blossoms, preferably on other trees or plants. How can this
pollen come? The wind does not carry it in the pollen come? The wind does not carry it in the
case of fruit trees or clover. It must be carried case of fruit trees or clover. It must be carried
by insects. To attract insects, nature has prosects blossoms are not fertilized, and there is no seed or fruit. Then to do anything to injure bees which are the most persistent honey gatherers-
and, therefore, pollen bearers-is very poor policy on the part of those who desire fruit and seed. It has also been shown that spraying in full
bloom not only does not accomplish the desired bloom not only does not accomplish the desired the blossoms.

MORLEY PETTIT

## How to Spread Brood.

The time of year is now coming on when a good many beekeepers will begin, to their sorrow, to their colonies.
I wish to suggest a simple way by which this may be done without the loss so often attending the operation. This is by simply changing ends with one frame of brood out of three, the middle out of five. By this means the honey in one end of the frame is removed by the bees, and eggs laid same thing is done on the two outside frames of brood ; or, again, outside of the brood cluster may usually be found a frame of honey with the side bringing the bees filled with polfen. Reverse this, This plan answers two purposes-stimulative foed ing, in that the bees themselves remove the honoy from close to the brood, and also stimulates the
queen to lay in the whole sheet of comb rather than in small patches in several combs. where colonies are weak, and have two or three
Combs with small patches of brood, to remove the two outside combs and give them to a stronger
colony, and. later, return them whole frames of colony, and, later, return them whole frames of
hatching brood --[H. Fitz Hart, in Ree Culture.

## Cleaning Bees Off Combs

## cleaning and the bees from extracting valuable kink in

 be illd, hiaven't seen it in print. I , it maythe ilve, take out two combs, set them down, then move over the next one so I can get at each side with sides of the comb with the brush. The bees will tumble ou and disappear in the lower part of the hive. Take cleaned off and taken out. Take out as fast as cleanin, and brush. The combs in a ten-frame hive can be cleaned in two minutes, and not a bee outside of the
hive to crawl
round-no queen lost, or robbers to

## Shock Loaders.

Dodge, Iowa, weighing about 1,000 pounds, and drawn by two horses, and with about the same draft as a mower. An elevated carrier takes up the sheaves and drops them on the wagon driven
alongside. Judged by engravinga wo have seen,

## EVENTS OF THE WORLD

## ${ }_{30 \text { th. }}^{\text {Th }}$

The caving in of a mine at Tocina, Seville, Spaln, The West Indes trading schooner, Onoro, was recked on the Nova Scotia coast on April 29th. All on board perished.

All the Esquimaux living in the Mackenzie Basin, except ten familles, have been killed by a virulent form
of measles. The community consisted of forty familles. The Spanish company which is trying to raise the Bay in 1702, has brought to the surface the Santa Cruz, recovering with her silver ingots to the value of \$500,000.
The Vossiche Zeitung says that Emperor willam has openly expressed
ment of affairs in regard to the Hereros rebellion in Southwest Atrica. It is expected that he will ordor large reinforcements to Africa immodiately

The announcement that Japan has already decided Antung, from which the Russians were drive port of Antung, from which the Russians were driven on May
1st, is causing much favorable comment in Europe and the United States, as contrasted with Russla's closeddoor policy.
A review of the French and Italian fleets in the
Bay of Naples was the culminating event of the tete which has been held in Italy during the visit of Prest dent Loubet to King Victor Immanuel. Naples was so crowded with sight-seers, who came from all parts
of Italy to see the spectacle, that 20,000 people were obliged to sleep in the streets.

It is asserted that the Russians are about to enforce martial law west of the Liao River. The ChInese hevertheless, in preparation for such an emergency, the owager Empress has ordered the Provincial Governors collected for that purpose to equip 72,000 troops.

On April 27th, the British House of Commons unanimously adopted a resolution affrming that the
Government should encourage cotton-growing in various parts of the Empire. Encouraging reports were given Rhodesia, Central Africa, West Alrica, and the Wesi Indies. Important grants of money will be given to various associations for the purpose of pushing the in-
dustry in all favorable portions of the

The International C eighteen months has been delimiting the Anglo-Germa
frontier in East Africa, hes found that the boundary between the Uganda Protectorate and the Congo Free State ought to be further east than shown on the map. The result-of changing the line deprives Grea the valuable salt deposits of inating will henceforth be wholly in the Congo Free State. A part of the Kager River, which formerly belonged to

The latest news Arthur has been invested, both by sea and by land. On
May the 5th, while Admiral Togo's fleet, in order to ctration in the harbor sixty Russians, made a demonstration in the harbor, sixty Japanese transports suc-
ceeded in landing a large body of troops at the village of Pitsew, on the east coast of the Liao-Tung
Peninsula, eighty miles north-east of Port Arthur, and Peninsula, eighty miles north-east of Port Arthur, and
one hundred south of New Chwang. At the same time, troops were also being landed at Cape Terminal and at Port Adams, on the west coast of the
peninsula. The Russians at these points, belng outnumbered, made no resistance. Subsequent
despatches state that these forces have already taken possession of the railway leading from Port Arthur to Mukden and Harbin, hence the sending of further supplies or men into Port Arthur cannot be accom-
plished by the Russians without a struggle plished by the Russians without a struggle. There is
some speculation as to whether the Japanese will attempt simply to keep the town in a state of siege, Russians, however, are it at an early date. The cutting off of Port Arthur. They were expecting the
coup. coup, and Admiral Alexieff and Grand Duke Boris had already left it in order to be with the active army on
the Yalu. There are 23,000 men at Port Arthur, under General Stoesse, and the Russians state that they hav plenty of provisions of all kinds to enable them to
stand a siege for a year. There are graver fears stand a siege for a year. There are graver fears re-
garding the fate of General Kouropatkin's army to the
northward. which northward, which now has to oppose a total number
of from 190,000 to 200,000 men. Heavy fighting has laken place at Feng-Wang-Cheng, which the Japanese have taken possession of. The
to be evecuating New Chwang.

## NOTES AND NEWS

"Simplicity of character is the natural result profound thought."-[William Hazlitt. A military inspector for Canada is t
pointed at a salary of $\$ 6,000$ per annum
Rice and dried fish form the uniform food of
he Japanese army in campaigning
Japanese army in campaigning times "People seldom improve when they have no
other model but themselves to copy after."-IGoldmith.
The steamship Ionian, the first ocean vessel of the season to arrive at Montreal, entered that port May 4th.
The Electric Power Company's dam on the was washed away on May 5th.
Over 2,000 immigrants, the majority of which are bound for the Northwest, landed at Quebec on
May 3 rd ; 450 will settle in Quebec, and a few on nticostí Island
The dredges of the Iowa-Lillooet Co., working in the Fraser River, are now getting gold to the amount of $\$ 2,000$ per day. The members of the
'Three parties of Canadian surveyors are t start soon for Alaska, where they will work joint-Canada-Alaska boundary under the London award of last year.
The Postmaster-General has been advised that make the Diazt, of Mexico, approves of the plan to two cents per ounce. The present rate is five cents per half ounce.
Sam Kee, a contractor of Vancouver, B.C., has arrangerk take over 100 Chinamen to Raymond to work on a sugar-beet farm which he will
operate. He has leased 800 acres of land, and
will will raise sugar beets on an extensive scale.
The Toronto Street Railway Co. has begun the whose purpose will be to receive and utilize the yower from Niagara Falls. The cost of the build-
ing will be $\$ 20,000$; that of the plant $\$ 50,000$.

Medals for conspicuous bravery have teen Jean Oman from the fire at the Mount Roving Miss Montreal, Jan. 5th, 1904, and to Mr. Edward Lane, for saving Stanley Smith from drowning at
in the extension of the actively inte esting himsel ters between pupils in Enyland and Canad of let conference of head-masters to discuss this and
kindred Anglo-Canadian questions is summoned for kindred Anglo-Canadian questions is summoned for
May 17th. Lord Strathcona will preside. May 17th. Lord Strathcona will preside. The Upper Lake ports कromise to form a vast
grain center this year. At Port Arthur the C. P. R. elevator will store 75,000 bushels of grain, and
the Canadian Northern elevators 7500,000 bush els. At Foit William the C. P. R. elevators will have a storing capacity for $9,000,000$ bushels;
that of the Ogilvie Company 500,000 bushels, and that of the Ogilvie Company 500,000 bushels, and
the new Empire elevator building $2,000,000$ bushof grain
According to a preliminary estimate by F. O. campaign will be about 423,000 to 414,000 hectares in
Germany, 312,000 to 32,000 in Austria, 188,000 to 197,000 in France, 440,000 to 460,000 in Russia, 48,000 to $E 1,000$ in Belgium, 30,000 to 34,000 in Hol-
lans, 28,000 to 30,000 in Sweden, 14,000 to 15000 in Denmark, and 88,000 to 91,000 in other countries.
D

In order to develop commercial relations be-
tween Canada and South Africa; tne EIder-Demp(ween Canada and South Africa; the EIder-DempQuantities of Cadian cargo to the Cape free of charge by the Steamer Monarch, which will leave Montreal about the middle of July, and will touch at
every South African port. The scheme will be elery
placed
Trade.
" No doubt the rapid spread of weeds in the
Dominion is due not only to poor cultivation and carelessness in the selecting of seed, but to the act that so many devote their attention almost hoising to grain-sowing, with but little stock$t$ is now generally admitted that stock-feeding and frequent seeding with red clover are essential,
not only to keep land in good heart and enable not only to keep land in good heart and enable
it to withstand drouth, but to keep it clean as it to withstand
well.-[Dr. Mills.
Hoard's Dairyman refers to the recent selling at a fancy price of Rev. J. D. Dietrich's little 15-acre
dairy farm near Philadelphia, as a consummation which has "ended one of the most unique and inspiriting examples of intensive farming and dairyng that has ever been conducted in the United

THE FARMERS ADVOCATE
of all available fertilizers, the planting and peas, and soiling crops for summer feeding,
Mr. Dietrich so developed his few acres that they have for several years been able zo support at a
profit the equivalent of thirty mature animals two to each acre. In fact, so successful was mr .
Dietrich, and so enormous grew, that the attention of writers and lecturers has been turned to his accomplishments, and has
given them fame. given them fame. Professor Chester, of the Dela-
ware Station, who analyzed samples reported finding four times as many bacteria in it per cubic inch as he had ever found before, a conclusion which should go to prove that the richer
the soil, the more rapidly the bacteria develop Mr. Dietrich has sold the tract in order that he may give his attention to a larger farm of 340
Agricultural Progress and the Washing ton "Heresy
The third of May, and still nothing done on the
land. The weather keeps cold, and the snowh appear slowly. Roads are almost impassable. Though many instances, what did catch has wintered pretty
well. well. The grass fields look smooth and even, and have
not suffered from winter-killing. Pasturage will be good. Navigation has been open here for about ten days, and considerable shipping is going on.
Potatoes are the principal article of export just now,
and the price is from and the price is from 40 c . to 45 c . per bushel of 60
lbs. This will put a good deal of money into farmers' pockets. Fat cattle are being marketed at
from 4c. to 5c., live weight, and bacon hogs of best quality are worth 4 q ..., alive. Horses are in brisk spring feed is still plentiful. A hopeful feeling pervades the agricultural community, and everybody is anticipating a good crop and a cortinuarice of the gaged in than it was a decade or two intelligently enis asking for the best quality of all kinds of farm seeds, and will take no other. There is hope for the
farmer when he does this. The soil is being better cultivated also, and better stock is being kept on the farms. We are fast reaching a higher plane in agrifarmer is much better off and is living better and spending more in luxuries than some years ago. This agriculture with which our farmers have come in in tact through Government experiment stations, farmers; institute lecturers, and the agricultural press of Can-
ada, headed by the OLU RELIABLE " FARMER'S ADada, headed by the OLU RELIABLE "FARMER'S AD-
VOCATE," WHICH HAS DONE MORE THROUGH THE NEARLY FORTY YEARS OF TTS EXISTENCE to elevate the calling of the farmers of CANADA AND RENDER THEIR LABOR PRODUCTIVE AND PROFITABLE THAN ALL OTHER AGENCIES period can hardly be overestimated. a long But about this " new-soil gospel " commented on
in a recent number. Well, we must not call a recent number. Well, we must not call anything
beresy nowadays, unless we can disprove by our practice. Many, things that we accept as orthodox in fathers. But has Dr. Milton Whitney proved to a demonstration the truth of his startling theory, or has
he just assumed its correctness he just assumed its correctness. It does not appear o me that he has made any real scientific discovery,
and I think the practical knowledge of all intelligent farmers will not be with him in saying that all lond is equally fertile in its natural state. Moisture means a great deal to the farmer, but you may water some
of our poor soils every day through the summer, and still not get much return in grain.
The man who discovered that the clover plant had the ability to draw nitrogen from the soil air through its reots made a scientific discovery that has been revolutionizing our agriculture, and the truth of the
floctrine he taught has been proved by the practice thousands. I think the farmers of Canada will still
cultivate the clover as a soil enricher and a conserver of moisture, as well as one of the best plants for stock the bulletin in question, we will reserve further remarks the bulletin in question, we will reserve further remarks
on question till we know more about it. $\mathrm{W} . \mathrm{S}$.

## Massey-Harris Co. Changes.

 sales department of the Massey-Harris Company have recently taken place. Mr. R. Harmer, who was manager of the Ontario branch, and who has also been mand that his interests in several other industrial time that he has resigned the positions in the Massey Harris Co. His place on the Board has been filled by the appointment of Mr. R. H. Verity, the GeneralSuperintendent. Mr. Hugh Aird, who has been Superintendent. Mr. Hugh Aird, who has been as-
sistant to Mr. Harmer for sone time past, now becomes acting manager of the Ontario branch, and has been given able assistants in the persons of Mr. G. A
Whitaker, lately secretary to the general Mr. C. L. Wisner, lately cashier in the head office, Th bringing in of these younger men into the active opera tions in connection with the sales department will no doubt have a good effect upon the business. We wish

Mr. H. S. Fallows' Sale.
The auction sale of the small but useful Shorthorn herd belonging to Mr. H. S. Fallows, Evelyn, Ont., seeding wond ard and by that date but, ill the average years, be well over farmers generally, hwig to tateness of the spring, accounted for thad only commenced seeding, which cattle, however were loording well and ance. The attended meant business, the prices realized hore who the whole, quite as good as expected and the on was well pleased with the result His the owne in the "Farmer's Advocate" brought a large demand for the catalogue and most of the buyers, and but for the fact of seeding being so general a much larger atsulted. The purebred females averaged $\$ 100$, and the grade cows $\$ 84.50$. The bull calves were mostly too young for service and sold low, the gverage being Mary Ann 13th ; John Graham, Alvinston .........siso Mary Ann 17th; A. Wier, Masonville …........... ${ }^{135}$
 Victoria J. T. Gibson, Denfield ..................... 100
Evelyn Velvet. Evelyn Velvet; D. Cowan, London Iona; Jas. Finnie, Wildwood
Velvet Blossom Velvet Blossom ; W. Russell, The Grove ..................... 90


Onward; ;
Reliable ; McDonald, Kintore
S. Belton, Wyton
Mystic ;

## Too Early Pasturing.

stockmen to " rush the season"" by turning their and on the grass before it has reached a proper state ot maturity. The desire to dispense with as many chores as possible at this busy season, as well as the apparent saving in food, leads many astray. Especially will account of the extra hurry, owing to the lateness of the season, and on account of the scarcity of feed following the past, severe winter. But it lodder is available, nothing is to be gained by making stock roam all day over the fields, exhausting vitality which, i
the case of milch cows, should te devent duction, in fruitless effort to find a sufficient quantity of grass. They return in the evening exhausted and
hungry, because the extremely tender grass hungry, because the extremely tender grass which they of itself suitable nourishment. and therefore is no of green food destroys the appetite for dry, and the cattle refuse to eat enough hay to make up the de ficiency. The growth of grass is also seriously retarded start and by exposure of roots due to cutting up of the soft sod by the animals' hoofs. The result in the latter case is more marked if the season happens to be

## Backward Season in Cumberland Co.

Spring does not seem to be in any great hurry in
this section this year. winter lested right up to the this section this year. Winter lested right up to the ast of March, and April was pretty cold and not very whough some are at it. Hardly suitable for seeding yet,
the very scarce and high, and no doubt a great many cattle will be turned country pasture too early, Cattle throughout the country are generally in good condition, though there is less. beef in this section than for many years. I
do not know when I ever saw horses that in the wagons and carriages in such good condition, and the prices are fully as handsome as the horses.
Beef is rather lower than two weeks ago. Pork seems, Beef is rather lower than two weeks ago. Pork seems
to be about holding its own. Oats and mill feed are slightly lower than two weeks ago, but are still high Potatoes are only wort

## U. S. Importing Beef Cattle.

A Washington despatch says: Secretary Wilson reported at the Cabinet meeting that he had granted perthe United States one thousand head to import. into cattle. The customs duty will have to be, paid on the to an abattoir. No breeding cattle re to kned the number imported, the idea being to use them or-

## Manitoba Seeding

Though later than last year, the Manit toba seeding
will be practically finished this week, The alod will be practically' finished this week. The arive sown
to wheat and other' grains 'will be larther than year, but the increase is not as great as might lition

## A Budget of British News.

The season continues to develop satisfactorily Bright deys, with overcast nights, and sock rains, have changed the face or the will soon be able to lie all night in the pastures. After a miserable winter, this change is particularly welcome and reassuring. ast there haver foen years to come. The sowing of spring grain proceeds apace, and
the tempering effects of rain upon newly-turned furrows has assisted materially in forming a tilth Some of the eerlier sowings have come up well and are showing first-rate in the rows. and cold sed-bed have a somewhat starved ap peraranee, but where anything like a good tilth wid
made the young crops are fairly promising. The made the young crops are fairly promising. The
wheats have improved in appearance to some exthent, but in most cases they are gappy, and in many lacking in vigor as well. It is, however,
probable that $w i t h$ the best of weather for the probable that with the best of weather for the
crop. wheat market has remained in a very quiet condition this week, and cargoes, both of Australian and LaPlata, are 60. to 12c. 1ower to ell, witu inded ery tue seems to meneraliy re card the Anglo-French treaty $2 s$ an instrument which greatly lessens the risk of this country beine involved in the Russo-Japanese dispute, and in view of the liberal shipments from Argentina Australasia and India, is disposed to wait, in the
tiope of being ablo to do better by and bye, notwithstanding the dearness and scarcity of American and Canadian wheat. Under normal conditions it might have been supposed that the very bullish American crop report would have stirred
the trade, but it has failed to do so, which may The trade, but it has failied that the market will be very diffcult to move.
around Mark Lave, that the Chancellor of the Exchequer in his budget on Tuesday, would re atroduce the duty on grain and flour, has proved to be entirely wrong. Party exigencies have probably induced young Mr. Chamberlain to avoid this dangerous (from a political point of view) question. Mean wine, aninking men are wondering enormously increased expenditure if a wider basis of indirect taxation for revenue is not adopted. On the Baltic yestarday (Friday, 22nd) heavy Argentine shipments were responsinte for a furthe practically at a stanistill
At Mark Lane, English wheat had a steady market, but foreign ruled inactive at unchanged prices. Flour was neglected.
From the Board of Trade returns, for the quarthe large increase of the imports of U. S. cattle, or, at least, cattle from the ports of that country.
The total for the three months is 112,235 , as against 65,581 for the same period a year ago. gainst 48,804 in 1903-considerably more than double. The Canadian figures for these show an increase over those of last year, but only to a moderate extent.
In wheat, flour, oats, peas, maize, bacon, but very much in advance of the first quarter's totals of 1903. Some of the quantities are quite re-
Cheese and oats are more than markable. Cheese and oats are more than
doubled. We have had three times as much maize and flour, while peas have increased four have produced more money. Eggs have gone back to
about the same figure as in 1902 , being only 8,756 reat hundreds, against 35,805 in 1903
The Canadian Produce Corporation, Ltd., are
ow issuing their prospectus, and offering their shares to the public. I had quite a pleasant chat with Mr. Walter H. Nursey, at the offices of the company, Palmerston House, E. C., this week. He is quite sanguine as to the grana success of this awperiority of Canadian produce. The idea is to liminate the middlemen, numbering sometimes as nany as three or four, who stand betwer Canadian grower and the English consumer. Strathcona have foined the Committee of the Imperial Exhibition, to be held at the Crystal Palace next year. The special object of the exhibition, which will be opened in May, will be to " demontrate that the British Empire produces all the enough to supply the wants of all its inhabitants, while their quality is at least equal to those proice in any other portion of the globe.
The trade at Deptiord Foreigg Animals Wharf has improved very much of late, and prices have
isen to the normal lerel. leen all scheduled as U. S. cattle, and prices are
now ruling 12c. to $12 \frac{1}{2} \mathrm{c}$., with occasionally 12 anc. $_{\text {and }}$. to $15 \frac{1}{2} \mathrm{c}$.
attle met a firm trade, and made 12 cc . to 12 flc . while sheep (287 wo
14 c . to 15 c . per 1 lb .
The market for bacon continues very frm, and prices all round have advanced. For Canadia bacon an active inquiry has prevarled, and buye have been ready to pay stifier prices in order to sence of arrivals, few transactions of importance have been completed. The following are the lat ast prices
Leanest, $40-56 \mathrm{lbs}$.', average 10 s.c.
Leanest, $58-62$ lbss," average 104 c
Heavy lean, 46-62 ibs., average 9wo
an tor, market has a weak tendency and the heavy arrivals of colonial and Argentine reely Prices are lower nll round. Canadian may be quoted 18 c . to 18 fc . per Ib.
 apathy that have characterized the department for andian cheese for some time continues, the trad manifesting little confidence in the near future, an peated decline in value to 10 c . to $10 \frac{1}{c} \mathrm{c}$. for primes September makes. Stocks at Commercial Roa Station yesterday amounted to 81,000 boxe against 17,000 boxes as in 1903 .

## Forthcoming Auction Sales.

Junced: Shorthorns: Jas. Bray, Longburn, Manitobe
amilton, Ontario. Hamilton, Ontartio

## MARKETS.

Very little grain is being marketed of late, and in lerest centers in the trade in live stock and dairy the Toronto livestock marketo in search of rhort-kee feeders, and prices for this class are quite lofty and firm. Hogs show a strong tendency to hang around 5.10. Trade in draft and agricultural horses has lwen resumed after the Repository was cleared out of fancy tock which accumulated during show week. cheese bringing scarcely more than half what it did at this season last year. This condition is sure lead to a smaller production of cheose, which, in turn may improve the

## LIVE STOCK

Exporters-Choice, well-finished heevy exportors $\$ 4.75$ to $\$ 4.90$ per cwt. ; medium, $\$ 4.60$ to $\$ 4.70$
Expprt bulls, $\$ 3.75$ to $\$ 4$; medium, $\$ 3.50$ to $\$ 8.60$ Export bulls, $\$ 8.75$ to $\$ 4$ medi

Butchers'-Choice picked lots equal in quality best exporters, 1,100 to 1,200 each, $\$ 4.40$ to $\$ 4.70$ good, $\$ 4.25$ to $\$ 4.35$; medium, $\$ 3.90$ to $\$ 4.10$. Feeders-Short-keep feeders, 1,100 to 1,200 1hs
each, $\$ 4.40$ to $\$ 4.60$; those weighing from 950 to each, $\$ 4.40$ to $\$ 4.60$; those weighing cwt .
1,050 of good quality, $\$ 4$ to $\$ 4.25$ per .
Stockers-Yearlings, $\$ 3.50$ to $\$ 3.75$; poorer grades and off-colors, $\$ 2.50$ to $\$ 3.25$, according to quality. Milch Cows-Milch cows and springers, from $\$ 2$
 Sheep-Export ewes, heavy weights, $\$ 4$ to $\$ 4.25$ hght export ewes, $\$ 4.25$ to $\$ 4.75$; export bucks, $\$ 3.2$ Lambs-Yearling grain-fed lambs, $\$ 6$ to $\$ 6.25$ varnyard lambs, $\$ 4.75$ to $\$ 5.50$ per cwt.
Spring Lambs-Prices
range from $\$ 2.50$ to $\$ 5.5 \mathrm{C}$ Hogs GRAIN AND PRODUCE
Wheat is in good demand for home milling, and the market is firmer at 92 c . to 93 c . for No. 2 red and
white, west or east. spring, 87 c . for No. ${ }^{2}$, east. Manitoba wheat steadier at 92c. for No. 1 hard, 91c. for No. 1 northern, at Georgian Bay ports, and 6 c . more grinding in Flour-Ninety-per-cent. patent, $\$ 3.60$ in buyers bags, west. Manitoba Flour- $\$ 5$ for cars of Hungaria bakers', bags included, on the track, Toronto Mill feed is steady at $\$ 17$ for cars of shorts, and $\$ 16$ for bran, in bulk, east or west. Manitoba Mill eed- $\$ 21$ for cars of shorts, and $\$ 20$ for bran, sack Barluded, Toronto freights.
Barley is dull at 42 c . for No. 2, 41c. for No. xtra, and 38c. for No. 3, west or east.
Detroit.-Beans, cash, $\$ 1.60$. Rucknheat, 48 c . to 49 c . for No. 2 , west or east.
Rye, 59 cc . to 60 c . for No. 2 , west or east.
Corn-41. for cars of mixed, and 42 c . for yellow west. allow and 55 . rack, Toronto. Oats are firmer at 32 c . to 32 chc. for No. 1 white,

Peas, 86c. for No. 2, wost or east.
Baled Hay-There is plenty of hay offing for quiet demand, at $\$ 9$ per ton for car lots, on track her
Baled Straw-Car lots, on track, $\$ 5.50$ per ton Potatos-The market continues firm under the in-
 are steady at $\$ 1.10$ to $\$ 1.15$ for cars, on track, here Potatoes out of store are held at $\$ 1.25$ to $\$ 1.80$ pe bag.
seeds seeds at $\$ 4.25$ do $\$ 7.00$ for alsike, $\$ 5.40$ to $\$ 7.75$ for red clover, and $\$ 1.50$ to $\$ 2.75$ for timothy, the latter for flail-thrashed, all per bushel, in Job lots
Butter-The market shows no slga of improvement Supplies of all kinds continue to pour in, and are ac-
Quotations are lower for dairies, and the market is weak, and concessions on the part of the sellers is the rule: Creamery prints,
dairy, pound rolls, choice, 12 c . to 13 jc . is coming forward, and the market is easy in tone, Dealers quote new large at 8 ic ., new twins at 8 fc ., and old large at 9 dc c., for job lots, here.
Egge-Dealers in the country are busy buying eggs for pickling purposes, and the supplies coming here are at 14 fl . Beans are quiet, and the market is steady at $\$ 1.60$
to $\$ 1.6 \varepsilon$ for hand-picked, $\$ 1.45$ to $\$ 1.50$ for prime, and
$\$ 1$.or undergrades. $\$ 1$ for undergrades.

Montreal Wholesale Prices.
Grain-There were still sellers of No. 3, Montreal inspection, on the market at 38c. in store, and of No at 39 c . in store. Peas, about 71c., afloat. May-
No. 2 barley, 49 c . and No. 8 extra, 48 c. ; No. 2 rye, ${ }^{62 \mathrm{c}}$ Flour-Prices a little easier on Ontario grades. Manitoba patents, $\$ 5.10$; strong bakers', $\$ 4.80$ winter wheat pate to $\$ 4.85$; straight rollers, in bags, $\$ 2.20$ to $\$ 2.30$.
Feed-Ontario bran is quoted at a slight decline
Manitoba bran, in bags, $\$ 19$; shorts, $\$ 211$ per ton Manitoba bran, in bags, $\$ 19$; shorts, $\$ 21$ per ton;
Ontario bran, in bulles $\$ 18.50$ to $\$ 19.50$; shorts, $\$ 20.50$ to $\$ 21.50$; mouille, $\$ 26$ to $\$ 28$ per ton, as to quality.
Hay-The

Hay-The market is steady; No. $1, \$ 10$ to $\$ 11$ clover, $\$ 7$ to $\$ 7.50$ per ton, in car lots.
Beans-Choice primes, $\$ 1.45$ per bushel ; $\$ 1.40$ in car lots.
Provisions-Fresh-killed abattoir hogs, $\$ 7.50$ to $\$ 7.75$; live hogs, $\$ 5.10$ to $\$ 5.25$.

Eggo-New-laid, 14 tc . to 15 c .
Butter-New-made, 15 c c. to 16 c ; western dairy
13 c. ; rolls, 13 c .
Cheese-Ontario, fall-made, 8 c. to 9 c .; new-fodder

| Retail Prices, Toronto Street Market. |  |  |  |
| :---: | :---: | :---: | :---: |
| wheat, red | 90 |  | \$0.92 |
| Wheat, goose | 77 | to | 8 |
| Wheet, spring | 90 |  |  |
| Oats | 89 |  |  |
| Barley | 45 |  |  |
| Rye | 61 |  |  |
| Peas | 68 |  |  |
| Hay, No. 1 timothy | 00 | to | 14 |
| Hay, mixed or clover | 9.00 | to | 10.00 |
| Straw, sheal | 0.00 |  |  |
| Straw, loose | 6.50 |  |  |
| Dressed hogs, light, cwt. | 7.25 |  |  |
| Dressed hogs, heavy | 6.75 |  |  |
| Butter | 18 | to | 20 |
| Eggs, new-laid | 15 | to | 16 |
| Fowls, per pound | 10 | to | 11 |
| Young chickens, per pair | 75 | to | 1.50 |
| Young chickens, per pound | 14 | to | 15 |
| T'urkeys, per pound | 15 | to | 18 |
| Apples, per barrel | $.00$ |  | 3.00 |

Horse Market
Business at The Repository, Toronto, was brilk during the past week, all the offerings, comprising over two hundred head, being sold at satisfactory prices. not occurred, prices being equal to any week this season, and prospects are that the demand will continue at fair prices during the next few weeks, although
parties expecting to sell will be safer in the present market than later. The sale of Cashin's lumber horses was well attended. The horses were mostly sold to contractors and railroad men, and were a splendid , selling from $\$ 80$ to $\$ 18$
The following is Walter Harland Smith's weekly re-
port of prevailing prices: Single roasters, 15 to 16 port of prevailing prices: Single roasters, 15 to 16
hands, $\$ 150$ to $\$ 250 ;$ single cobs aad carriage horses, 15 to 16.1 hands, $\$ 125$ to $\$ 275$; matched pairs car-
riage horses, 15 to 161 hands, $\$ 375$ to $\$ 550$. deivery horses, 1,100 to 1,200 pounds, $\$ 135$ to $\$ 185$; general-purpose and express horses, 1,200 to $\$ 1,350$
pounds, $\$ 140$ to $\$ 175$; draft horses, $1,3 \approx 0$ to 1,750 pounds, $\$ 150$ to $\$ 260$; servtceable second-hand
workers, $\$ 50$ to $\$ 120$ serviceable secondiand drivers workers, $\$ 50$ to $\$ 120$; serviceable second-hand drivers, $\$ 75$ to $\$ 125$.

British Cattle Markets

London.-Canadian cattle are slow, at 10 yc . to
Le. per lb ; ; refrigerator beef, 8c. per 1 b . ${ }^{\text {Sheep, }}$

## Cheese Markets.

Tweed, May 5.-414 cheese were boarded ; 6qc. was Kingston, May 5.-473 white and 225 colored were
Offers of 7 c . for white and Bic. egistered. Offers
Brockville, May 5.-The offerings were 1,054 whit and 1,308 colored; total, 2,362 boxes; 7 c . was bid Madoc, May 5.- $£ 18$ cheese were offered, all white 60 sold at $71-16 \mathrm{c}$., 150 at $7 \mathrm{c} ., 44$ at 6 cc .; balance insold. Vankleek Hill, May 5.-There were 401 boxes of Winchester, May 5-90 colored and 750 white we registered; none sold. register
Pic
sales.

## Wool.

The weather is finer now, and more progress is b ing made with the clip. There is no new washed com-
ing in yet, and dealers here do not expect any until ng in yet, and dealers here do not expect any until
about the end of the month. It is quoted nominal at 16 c . to 17 c c. Some unwashed is arriving, but only in mall lots.

## Buffalo Markets

 East Buffalo-Cattle-Prime sters, $\$ 5.10$ to $\$ 5.25$tockers and feeders, $\$ 8.50$ to $\$ 4.45$. Veals, $\$ 4$. 5.25 . Hogs-Heavy, mixed and Yorkers, $\$ 5$ to $\$ 5.10$ pigs, $\$ 4.80$ to $\$ 4.90$. Sheep and Lambs-Lambe $\$ 4.50$ to $\$ 8.10 ;$ yearlings and wethers, $\$ 5.25$ to
$\$ 5.50$; ewes, $\$ 4.75$ to $\$ 5$; sheep, mixed, $\$ 3.25$ to

## Montreal Markets.

## Montreal.-Best cattle, $4 \mathbf{4 c}$. per 1b.; good mediums

 4c. to 4 tc . ; ordinary mediums, 3 ck . per lb. ; spring
## Chicago Markets.

| Chicago-Cattle-Good to prime 85.75 ; poor to medium, $\$ 3.90$ to pteers, $\$ 4$ to $\$ 4.60$. Hogs-Mixed an to 84.85 ; good to choice heavy, Sheep-Good to choice wethers, \$4.65 to choice, mixed, $\$ 3.75$ to $\$ 4.50$; lambs, \$4.25 to \$5.25. |
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## MISCELLANEOUS

## Are You Going to the Pacific Coast?

the Editor Farmer the Lower Fraser Valley farm, about one-half of wha it will cost on the prairies, and, owing to the abun-
dance of cedar and the milder climate, you will only want about half the amount. Your fencing also will cost you only about
wood practically nothing.
Then, it is never necessary to leave a portion of
our land fallow one year in three, so that, with the same area of land, we get firty per cent. more crop every year, essuming that the crops were the same in
bushels or tons to the acre in both cases. Where you would get, say, twenty bushels per acre of wheat or forty bushels of oats on the prairies or Eastern Canada, we should get, as a good average, forty bushels
of wheat and eighty bushels of oats in the Lower Fraser Valley; one and a half tons per acre of six tons) ; potatoes, from six to ten tons ; peas, one and a hail tons to two tons ; and other crops in
proportion. Hops, for instance, run from onehalf to
one ton per acre, depending largely upon the kind geow round, and not for two or three months only.
yercher
Chickens can be kept without stoves or articial warmth all winter, and with proper care will lay all PRICES.-Hay will average, one year with another, per ton) ; oats run about $\$ 22.00$ per tor, say 37 c . per bushel (present price is $\$ 27.00$ per ton) ; butter averages about 25c. per pound the year round; milk, sent to the condensed-milk factory, 12c. per gallon; cost nothing but a little skim milk and clover pasture, as they are sold to the Chinamen before they are fatted (two litters a year); eggs, from 20c. to 40 c . per dozen ; chickens, from $\$ 5.50$ to $\$ 10.50$ per dozenthe later price may seem a gross exaggeration, but recently sold two dozen Plymouth Rocks in Vancouver at 15 c . per pound, dressed ; potatoes vary, from $\$ 8.00$
to $\$ 20.00$ per ton ; lambs, $\$ 3.50$ each; sheep $\$ 5.00$ to $\$ 20.00$ per ton; lambs, $\$ 3.50$ each; sheep, $\$ 5.00$
to $\$ 7.00$; and everything else in proportion. Small fruits, such as strawberries, raspberries, gooseberries, rhubarb, etc., return a net profit over all expenses of from $\$ 200$ to $\$ 500$ per acre, depending upon the season and business capacity of the farmer. Land which will
produce such crops that will sell at such prices is cheap at $\$ 100.00$ an acre. I know large areas rented at from $\$ 8.00$ to $\$ 15.00$ per acre, and the tenants are doing very well indeed. It is absurd to say that such land in its uncleared state is dear at $\$ 10.00$ to $\$ 20.00$ per
acre, and it can still be bought in fairly large blocks, four or five miles back from the river, even as low as $\$ 5.00$ to $\$ 10.00$ per acre
Are these big crops and big prices likely to con-
tinue? There are many timothy hay fields in the Lower Fraser Valley that have been cut continuously
for from twenty to thirty years, and are still cutting for from twenty to thirty years, and are still cutting
three tons (and often over that) per acre, and owing to the proportfonately large amount of live stock kept, there is little likelihood of the land ever becoming exhausted under any sort of decent farming and cultiva-
tion. The population of the Province is four times tion. The population of the Province is four times
what it was twenty jears ago. It is doubling every ten years, and, judging by present appearances, will more than double agin before the next census, comes
round. But the fincrease of population for the last round. But this increase of population for the last
fifteen years has been'almost entirely an fncrease, from a farming point of view, of a non-productive population. In other words, it has been the cities, mining camps, fishing camps, logging camps, etc., etc., which wages and wages and ample work here, and, to some extent, the
prosperous condition of farming communities in other parts of Canada are accountable for this.
The land in cultivation and the amount of farm produce raised have increased very largely, but have not kept pace with the increase of popular. Firteen imported annually. It is now at least. $\$ 0,000,000$, and, with the exception of tropical fruits, it could all be grown here. Whin the enormous undeveloped mining, fishing, lumbering and shipping resources of the nonproductive (from a farming point of view) part of the population will continue to grow as fast as ever, or even faster than it has done in the past, and while these undeveloped resources are practicaly umitied, small. in the are protected by a tarin wall from the farmers an eighththundred-mile railway haul from the farmars in Nanitoba and the Territories. In short, there seems to come an exporter of any lind of farm produce, except fruit, as we shall never be able to fill the home market, Yukong the Tlondike and other mining distriots in the which already has a large and increasing population.

The Lower Frasor Valley is 75 miles lomg by an thirds, or say 550,000 acres, is capable of being proittolbly farmed, when once cleared and put into cultivation, the balance being mountains, lakes, rivers etc. Of this 550,000 acres, there is still at large are
avalliathe for settiencent, which is capable of sustiaining at least 30,000 more population than it has at present so that although the area compared to similar dis tricts on the prairies is small, there is still room for
a considerable infiux of new settlers. The whole of this a considerable infiux of new setthers. The whole of thi railways and steanmbonts, and has every facility and convenience for shipping and marketing farm produce o a large scale. It is well supplied with stores of rapid and oheap communioation with Vanco ouver-its chief market. The public works alone muatt liave cost at least $\$ 5$ per acre of the land available for cultivation, and as the lowest Government price for similar such facilities, is $\$ 5$ per acre, the present average price of bush hand is reelly only the uppet Government prite, plus the cost of Goverament improvemients. The present low scale of land values cannot continus ver The rates of wages in the diferent industrios, ap-
proximately, are as follows. proximately, are as follows :
In the logging camps, from $\$ 40$ per month and Farm hands, $\$ 15$ a month and board to of wort:board. Highest wages go to the best millers:
Outside work on farms, \$2 per day of 10 hovirn
without board.
Harvest hands, $\$ 1.75$ to $\$ 2$ a day and boand
Teams and one man, \$4 a day of 10 hotire
Seams and one man, \$4 a day of 10 hodirs. Qu
85 per day.
dasy. Cabor in Vancouver, fromise to $\$ 2.50$ per Masons, bricldayers and plumbers, about \$8 per day
Plasterers and painters, about $\$ 8.50$ to $\$ 4$ per day larpenters, and painters, about $\$$ 0 \$a per day
0 pelperiday.
iners, $\$ 3$ to $\$ 4$ per day. ectlon men on rallive 88 per dey. leamsters, $\$ 40$ to $\$ 80$ per month Women in domestio service from 315 to 895 iper The rlight man never has any difiliculty in setiln work, and certadn times of the yeerf it is not at all ensy to got labor, particularly in the rural deiviloti. There are no more Chinamen here now than there were whereas the white populatian has increased almont fourfold. Chinamen arp emplosed in many finduitited simply because we carnot got whito men ; but thel
work is not, as a rule, oheaper. The system I halve outlined in these lettera of ot orth ing a farm, is, perhaps, best suited to the man of paratively small means, who looks forward some do to owning a home of his own, on which he cat worl cannot afford to buy a ready-medo farm. To puch cannot aiford to buy a ready-made farm. To such the coot of clearing one systemation, ly is triling. if A over a lew years.
$\qquad$ place already cleared, or at leest partly cleart, ; but $\$ 6,000$ farm, there are dozens ${ }^{\prime}$ who buy a $\$ 8,000$ to so, and even the comparatively wealinhy man milg to do worse than build comparatively wealthy man mighat for himeelf: bo hat the
satistaction satisfaction

The great maiority have been cleared by people from the old Coins Const
probaily probatily nine lenths of the people here are Brituth are Amerian of British descent ; almost all the remainder mans, Swedes and Finlandere Fremoh-Cenarlime cer Vancouver,' Bi
V.

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## POULTR

## are of Laying Hens <br> Canker in Turkey

 "Breed Out" BroRearing Ducklings
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## .

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choce

Tongue loller: elezems and bron-
Chocele sprain ; lump Jaw ; discolored urth pervous irrticablity

The breezes of Maw are blowing.
Latemen with seant and song.


## A FAIR BARBARIAN.

by frances hodason burnett. CEAPTER XXV.-Continued Ho had resented her remaining obliv-
ious of his presence when he stood neer her, and he had resented her enjoyment
of her surroundings ; and now, as he led her away, leaving Lord, Lansdowne
rather disconsolate, Le reme rather disconsolate, he resented the fa impressed by his silence.
"What do you want to say to me? ?" she asked. "Let us go and sit. down in
one of the arbors. I
believe $I$ am a I've been having a lovely time.
Then she tegan to talk about Lord "I like him ever so much," she said. "Do you think he will really go to does, I hope it won't be for a year or
so-I mean, until we go back from so-1 mean, until we go back from
Europe. Still, it's rather uncertain
when we shall go back. Did I tell you When we shall go back. Did I toll you
I had persuaded aunt Belinda to travel I had persuaded aunt Belinda to travel
with us? She's horribly frightened, but with us? She's horribly frightened, but
I mean to make her go. She'll get over
being frightened after being frightened after a little while."
Suddenly she turned, and looked $\stackrel{\text { him. }}{\cdots}$
"Why don't you say something?" she
demanded. "What's the matter ?"
"It is not necessary for me to say anything."
She laughed $\qquad$
She laughed.
." $D_{0}$ you mean because I am saying

- Dory you mean because 1 am saying
everying myself ? Well, 1 suppose I ever. I am-awfuly happy to-day, and
amn't help talking. It seems to make the time go."
Her face had lighted up curiously.
There was a delighted excitement in her
eyes, puzzling him. "Are you so fond of your father as all
that laughed again,-a clear, exultant
laugh. "Yes," she answered, ". of course I am
as fond of him as all
as fond of him as all that. It's quite
natural, isn't it? enthusiasm in all the young ladies of my acquaintance," he returned dryly.
He thought such rapture dispropurtionate to the cause, and regarded it grudg
ingly. They turned into an arbor; and Oc-
tavia sat down, and leaned forward on tavia sat down, and leaned forward on
the rustic table. Then she turned her lace up to look at the vines covering the "It looks rather spidery, doesn't it ? "
she remarked. "I hope it isn't ; don't you?"
The light fell bewitchingly on her round little chin and white throat; and a bar of sunlight struck on her upturned
eyes, and the blonde rings on her foreeyes, and the blonde rings on her fore-
head. " There is nothing I hate more than piders," she said, "with a little shiver,
unless," seriously, "it's caterpillarsnd caterpillars I loath and caterpillars I loathe."
Then she lowered her gaze, and gave
her hat-a large white Rubens, all soft,
curling feather and satin bows a charm
ing against the rustic wood-work. He suppose I'm 'impressed by their serious looked pale, and was evidently trying to to $\begin{aligned} & \text { ness, as aunt Belinda says. I suppos } \\ & \text { be cooler than usual. }\end{aligned}$
they are pretty serious-to you." " I brought you here to ask you a " "Well," she remarked, "I hope it's an enough."
sponded, with a tone of sarcas
will probally
will probably go away soon?
commented, "t and it's not question," she
to you as to me
He paused a moment, annoyed tecause
be foumd it difficult to go on : annoyed because she waited with such undisturbed begin again. "I do not think you are expecting the
question I am going to ask,", he said. question I am going to ask," he said.
"I -do not think I expeoted to ask it 1-do not think I expeoted to ask it why-why I should ask it so awkwardly and feel-at such a disadvantage. 1
brought you here to ask you-to marry brought you here to ask you-to marry
me." me." had scarcely spoken four words
before before all her airy manner had taken
fight, and she had settled herself down to listen. He had noticed this, and had she was looking straight inte stopped, Her eyes were singularly large and bright and clear. You did not expect to ask me to
marry you? ". she said. "Why didn't you?" was not at all what he had ex it was not at all what he had ax-
pected. He did not understand her manner at all. "I-must confess," he said stimm,
"that I felt at first that . that I felt at first the the said stimy were obstacles in the way of my doing so."
"What were the obstacles? " "What were the obstacles?"
He flushed, and drew himself up.
"I have been unfortunate in my modo of expressing myself," he said. "In "I
told you I was conscious of my own awkwardness.' been unfortunate. said quietly: "y you have of putting it."
Then she let her eyes rest on the table a few seconds, and thought a the table. "onsolation all," she said, "I have the consolation of knowing that you must
have been very much in love with me.
If you had not teen very much in love with me. you would never have asked me sidered the custacles." in love with you,"
" am very much in our he said vehemently, his feelings getting
the better of his pride for ever badly I may have expressed myself I am very much in love with yous.
have been wretched for days." " Was it because you felt obliged to ask me to marry you?" she inquired.
The delicate touch of splrit in her tone and words fired him to fresh admiration,
strango to say. It suggested to hin strango to say. It suggested to him
possibilities he had possibilities he had not suspected hither-
He drew nearer to her.
to. "Don't he too severe on me," he said-
quite humby


## quite humbly, considering all things.

 And he stretched out his hand, as if totake hers.
But she But she dre"
faintly.
"Do you think smiling ever so obstacles are?"
${ }^{\text {"My }} \mathbf{M y}$ affection was stoms enough io sweep them away,
should not be here.,
She smiled slightly arein a guest at a restaurant ondered " I know all about them, as well as a lobster and ate it, and another guest
they are pretty serious-to you."
" Nothing would be so serious to me
as that you should let them interfere as that you should het them interfere with my happiness,"" he answered, by her logical manner. ." Let us forge them. I was a fool to speak as I did. She paused a second, and then an". You didn't expect to ask me to marry you," she said. "And I didn't "But now "-he broke in impatiently Now-I wish you hadn't done it."
$\qquad$ "You want somebody meeker, she somebod. who would respect you very much, and people." you mean ar " Do you mean also that you would
not respect me? ". be -inquired bitterly. "Oh," she replied, "you haven't re
spected me much !" spected me much !" "Excuse me "-he began, in his loftiest
"Exit manner.
"You didn't respect $m e ~ e n o u g h ~ t o ~$ think me worth marrying," she said.
"I was not the kind of girl you would I was not the kind of girl you would
have chosen of your own will."
". You are treating me unfairly !." he "You are treating me unfairly ! " he
cried. "You were going to give me a great
deal, I suppose-looking at it in your way," she went on ; "but, is I wasn't exactly what you wanted, I had some-
thing to give too. I'm young enough to have a good many years to live; and I should have to live them with you, if
married you. That's something you
know."
He rose from his seat pale with wrath He rose from his seat pale with wrath
and wounded feeling. "Does this mean that you refuse
me?" he demanded, "that your anShe rose, too-not exultant, not colfused, neither pale nor flushed. He had
never seen her prettier, more charming or more natural. "It would have been ' no,' even if
there hadn't been any obstacle," she an"Then," he said, "I need say more. I see that I have humiliated my-
self in vain ; and it is rather bit mater must confess."
"It wasn't my fault," she remarked He stepped back, with a haughty wave of the hand, signifying that she should pass out of the arbor before him.
She did so ; but fust as she reached the entrance, she turned, and stood for a
second, framed in by the swinging vines and their blossoms.
". There's another reason why it should be ' There's another reason why it should
well tell youid. "I I suppose I may as

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ Q-If a postmaster went to a men-
agerie and was eaten up by one of the wild beasts, what would be the hour ? Q.-If a guest at a restaurant ordered
lobster and ate it, and another dest's telephono what would be the second

Travelling Notes.
Our visit to Florence has about come to an end, not that we have weeks we have been here. We have been able to see a great deal, to for the weather has been simply perfect. We find that we have grown ies, museurns, churches, and eve shops-whilst, the views from the surrounding hills, and the peopl themselves, have been most fasclnu wing and interesting. Moreover, we pension (Jennings-Riccioli), and tha always counts for much. We had some very clever, bright and lively people at our own especial dining
table, which was the smallest them all, only wolding ten of the fifty people who were our fellow guests, and we could chatter unre servedy, for the waiters were Ital ians, and understood nothing of our Fuller descriptions I have left to my Cousin Eleanor, who can write
more understandingly than I upon the art treasures with which we have been surrounded, but I feel I must
tell you of a society which aroused my keenest interest on the second day after we had arrived in Flor ence. We had met a procession o black-robed men, with faces con
cealed, and evidently in cealed, and evidently in dead earnest engaged. The answer to my ques tions was that they belonged to a society called the Miseriecordia, one most loved, most revered, and most deeply rooted in the hearts of the
people. It las existed for over 600 years, and the spirit of active char ity that animates its members is as der ages to-day as it was in the midas follows The tate The Florentine merchants in the doing a large trade in woollen cloths, in delivering th of porters employed veying them the goods and in conanother used to assemble in ouse to the celiars in their leisure hours and play dice. One of the head porters mach elderly and devout man, was fane language continuallys and prohis companions, and to put a bects upon the bad habit, he proposed that each time one of them was guilty of into a box provided for the purpose The idea was approved, and in a money was collected. The good man next suggested that with this money Six litters should be bought, an 1 going out with these litters to con'ey poor sick persons to the hospitals, and to renove victims of street accidents or brawls. This
charitable proposition charitable proposition was unaniCompany of Mercy came into being They now number 1,500 members, high and low, rich and poor. The consists of brenren when on duty cured at the waist by a cord, and a the face eyes like masks. Both hood and
gown are mads.
vaterproof material. Beneath thei niform the brethren wear their ordicoaled by the black gown, and it i common saying that only by hi nember be guessed at
At all hours of the day or nigh the Brethren of Mercy may be seen carrying the sick and dying to the hospitals, and as the littie ulach obed procession puasses by, not espect to the Misericordia. It is very honorable institution, and so ighly respected that it is a common if they leave no children citizen, relatives to constitute the society as heir to their money, so that it is al so able to extend its charities, and hany of the worthy poor are as sisted by the order. it is wholl certain number are told off to bu duty each week. When their bel olls they must drop their work, o whatever they may be doing, and go A candidate for admission to the Company of the Misericordia must be a citizen of Florence, not less than eighteen and not more than thirty years of age. He must be a goo roman Catholic, and of irreproach strong and healthy, so as to perform the fatiguing duties required of him nd he must not belong to any gnoble trade, or what is held as low as the poor, may call on the Miser cordia in cases of serious illngess or broken limbs, and they will, if neces sary, attend once or twice a day to nove the patient and make the bed, course of special training-being very valuable in a country where traine urses as yet are not very plentiful. During the ferformance of their du speak more than is absolutely neces sary, and they may never, uncer an ircumstances, accept way refreshmen beyond a glass of water. When the and if poor-and who is not helpless Italy ?-they are given a little help very week, perhaps, but not mor han fifteen or twenty cents, from could anything be mow, beautiful you his living illustration of the Sav our's command, " Do unto other as ye would they should do untr ou"; this lovely thought crystal all down the ages ? VOLLIE

## A Gentleman

Never permits himsell to be drawn into personal dispute with a woman. Shows consideration for a woman Has no time for gossipping about a wo Speaks of his sister as though she ha 11 the graces.
Gives way to a woman gracefully in iscussion
Never shows bad temper when others hoose to differ from him. Talks about other people's misfortunes Talks about other
Is careful not to use forc
sions when talking to women

Sentence Sermons
Love is always far-sighted.
Faith is the secret of firmness.
Pleasure is but a weed, joy a
Pleasure is but a weed, joy a fruit.
Talents are tools and not merchandis Secrecy is the best soil for the wors ins.
The gain of love is lost l.y the love of $\underset{\text { Kindness is born of our sense of kin- }}{\text { gain. }}$ Kindness
ship to all.
There is
There is no merit in sacrifice devoid of service.
The trifing man never attends to the great trifies.
great trifles.
The hypersensitive are apt to be wholly
selfish.


We've Always Been Provided ood For
Goo wife, what are you single
And what we'll do with the horses and While like as not, with can say we'll lose both corn and wheat She looked up with a pleapant fac and sweet. here is a Heart, there is a Hand, wo feel but cannot see-
Ve've always been provided for, and we shall always be,

He turned round with a sudden glooin You cut the grass, be at reat, You cut the grass, worked soon and
late, you did your very best. That was your work; you'd. naugh else to do with wind and rein,
And do not doutht but you will reap Fich fields of golden grain; Hand, we feel but cannot ieeWe've always been provided for, and w hall always be."
That's like a woman's
must, because wo must
must, because we must
She softly said: "I
only work and trust ;
heart, what'er betide the day-keep
When one door shuts,
When one door shuts, I've always seen
another open wide;
There is a Heart, there is a Hand, we
feel but
feel but cannot see-
e've always been provided for, and wo
He kissed the calm anh trustful face
She heard him, with a cheerful step, go
whistling down the lane ;
And went about her household tasks full of a glad content,
Singing, to time her busy
Singing, to time her busy hands, as to
There is a Heart, there is a Hand, w
feel but cannot see-
$W_{\text {e've }}$ always been provided for, and
We've always been provided for, and
we shall alweys be."
ays came and went-'twas Christme tide, and the great fire it burne The farmer said: "Dear wife, it's been a good and happy year; has bought the hay, you know." She lifted then a smiling face, an said: '" I told you so Haneres Heart, and there's Hand, we feel but cannot see-
We've always been provided for, and we

## How to be Happy.

One day we met a woman on the street who had been down to the wharf to see the children off in a fresh-aír excursion. A sweet ligh kindled her features, and her every oi the serenity of contenteres and happiness. At the same time we knew that this woman had nothin she could call her own in this world and had no certainty that the next week or the next month enough bread would grace the table in her humble home to supply her wants. A few
moments after we met a man who moments after we met a man who
had a palatial home, with all the appurtenances of material things. that are supposed to constitute happiness, and investments that were secure
against the fluctuations of silver against the fluctuations of silver wrinkled; his eyes had a wild and restless look, and his whole appearance indicated a permanent nervous excitement. He was irritable in his lamily; was unconscious of the posfound no beauty in God's world ; no pleasure in the luxuries that surrounded him; and, in fact, was simbetween the woman and the man?

Ohiely and fundamentally, the one had faith in God, and lived enclosed in His presence through Iis dear Son; the other seldom, if ever, had God in his thoughts, except to kick against the pricks. And because he had not taken anything of the spitit
of Christ's gospel into his héart, selfishness had taken complete possession of him. He had gone after happiness as a direct pursuit, and expected to find in in money and the ness had eluded him, and the very ness had eluded him, and the very toil, intellect and energy upon, had not only failed to bring what he looked for in them, but had become
the sources of his misery and disquietude. They were ashes. In forgetting God he had never learned the perpetual richness of the joy of ministering to the blessed, Saviour by ing. But the woman, on the other hand, had not been seeking her own happiness at all. Springing from her supreme faith, there, harl been a
steady outgiving of service for the benefit and happiness of others. Self was lost in her dear Master. Though she did not look for happiness in the world's best gifts, yet the world was see nothing but the good in those around her. This is one way to be happy, as near as mortals in this condition.-[Selected.

## The Little Tasks.

## or what we cannot do, God never arks ; Beyond what we can bear Ha neyer

 tries, In sweet fulfillment of the little tasksWe make our preparations for the aldes. The restless heart seeks to do something And lets the common things of life sutp ty. Forgetting that the trifes indicate Which path we're taling for eternity.

Small wille, accompanied by het fathor was taking in the circus and menagerio. stopped in front of the elephant, " at the big cow with the horns


## What do You Think?

 STATE YOUR PREFERENCES From time to time letters reach us commending specially various depart ments of the "Mome Magazine" sec We of the Farmer of opinion from our readers on this subject, in order that we may still further serve their interests. olease and to edify is our purpose. Wider usefulness is what we strive or in the " Home Magazine. rish to know what you think :1. About the Story department
2. The Quiet Hour.
3. Ingle Nook Chate
4. With the Flowers.
5. The "H. A. B." articles
6. The Children's Corner
7. Travel Notes.
8. Dometic Econo
9. Fashion Notes.
10. The pictures publishe 11 The Trained Nurse
Now, will readers everywhere tak a little time to think this over, and write us at once, candidly but con cisely, about these departments, ho you like them, which you prefer, which you would like more space de voted, are there any new departments that would add to the value of the "Home Megagine, or any epecial subjects you would tike to see taken up? The opinions of thoughtful well-informed people are valuable Please write us about the abov points. Kindly write " Sugges tions: acrose the top of your let ters. For the best and most sug gestive comment, not exceeding 250 words, we will give a prize of $\$ 3.00$ for the second best $\$ 2.00$, and the third \$1.00. All letters must be mailed to us not later than May 21st. Address, " Farmer's Advo cate and Home Magazine," Lon don, Ont.

## Putting Down Carpets.

The secret. of carpet-laying is simple but it is all the mare worth pessing on for the benefit of other homemakers. different sides of the carpet are tacked. First tack across the end of the rem across the end of the breadth of carpetmind, not along their length. Tack this end firmly and rather closely; then
take the opposite end, leaving the two sides loose until the end has been stretched tightly and tacked in plape. By taking the opposite end for the second row of tacks one can pull the carpet
true, while the average carpet put down true, while the average carpet put down
by inexperienced hands and tacked along one end and then down the side is very apt to be pulled askew. The two ends
fastened, the carpet is true to the room, fastened, the carpet is true to the room,
and the work of tacking the sides is and the work of tacking the sides is
soon accomplished. These do not require stacking as closely as the ends, except in front of doors.
Another notion which may have some If the old-fashioned rag carpet is used in kitchen or dining-room-and there is nothing which will stand hard wear tet-ter-do not have it sewed. The breadths
laid in place and slightly lapped will stay in place fairly well, and they can be lifted and cleaned so much more
easily that it is worth while to leave easily that it is worth while to leave
them loose. When cleaned each breadth them loose. When cleaned each breadth
should be pinned firmly on a clothesshould be pinned firmly on a clothes-
line, with clothespins at frequent intervals. Whip the lower edge of the breadth thoroughly, and then unpin, and
hang it up by the other edge, and whip hang it up ty the other edge, and whip
In this way a rag carpet, too heavy to be well cleaned at home, can be handled and got even cleaner than is

THE FARMERS ADVOCATE


This week I am going to give up the whole Iorner to our young correspondents, beginning with some by Belle McKenzie. With such Sy Belle mame you ought not to be Irish, Belle, but surcly you kissed the "Blarney Stone" before sitting down to write such nice things about
our dear old ". Advocate "-although won't deny that they may be all I won't deny that they may be all
true. COUSIN DOROTHY.

The "Farmer's Advocate.
We take a lot of papers,
We take a hot of papers,
If ${ }^{\prime} m$ almost cortain sure,
I began to count them,
If I began to count them,
Among them there is one Whith we treasure more than any The others alongside of it

So if you wish to know its name,
And hear a little of its fame, And hear a little of its fame,
The finest paper up to date
So I advise you, one and all,
Befare it is too late
To send in your subscription
For the ". Farmer's Advocata
Its circulation is immense :
Each one says it's first-rate,
And that they won't give up
And that they won't give up subscribing
For the "Farmer's Advocate."
-Composed by Belle M. McKenzie. get warm
At last the sugar was ready, and we wore soon busy making wooden paddles
to eat it with. The elder boys stirred the delicious stuff until it was ready to eat. When we had eaten as much as we could, we made up the rest into little
cakes, several of which each of my cakes, several of which each of my
friends took home. Then we poured more of the thick syrup on snow; although we thought we had eaten all of
the sugar we could, yet, when served in the sugar iwe could, yet, when served in
this delicious form, we found ourselves eating as eagerly as though we had not tasted anything before.
All too soon the time passed, and we
had to start for home. My friends. all had to start for home. My friends, all
declared they had not had such a pleasant outing for a long time. On our way back to the house, we agreed
that we could not express our feelings that we could not express our feelings
better than by the siiging of that song better than by the simging of that
dear to Canadians, which ends thus: ". But the land I love the best
Is the garden of the West, Where the wild fower blossoms BESSIE EVELYN MACFARLANE Melrose, Ont. (Age, 12 years.)

## A Day on the Farm. <br> Lap boys, up at once," called ou <br> We will do the chores this forencon and this a the swamp.

Down we came and of we wack "You feed the horsas and I will clea

## stable," sald Harry to me, "the more we can get done

before moreaklast, the better
for you remember father swamp this afternoon." We got a good
our chores breakiast, and we were able (as we always are). After breakrast, mother
came out to milk the cows and father to grind some grain with a windmill. We
cleaned out all the stables fed the pigs, cattle and calves, and by hali-past ten we started for the other barn,
which is a good half mile or. While there, we cut
straw, broke the ice, and
drove the cattle the water, and then started

Effie-" Silly anything."' ne of Don't, eh? Well, that one of yours that I cut open was
stuffed chock-full of breakfast food." Drawn by James Frise, for "Farmer"

## Making Maple Sugar.

We are always glad to see the come, as it brings the sugar weather which every Canadian boy and girl en joys. Last spring I invited a few o ny playmates in to have a "sugar of," as we call it. It was a lovely warm day-dazzlingly bright over head and un-
der foot. There was not a cloud in the sky, while the sun shining so brightly on the snow made it glisten like diamonds. My friends came in a big sleigh early in the afternoon. Going back to the sugar
bush, we went into the saphouse where bush, we went into the saphouse, where
the men had un a good fire. The boys built a fireplace of stone outside of the they started a firc. Then the men al. lowed us to take some syrup from thd saphouse and pour it into the pot; when
verything was ready they started a fir Under it. When it began to boil, one o the men watched it constantly. of
course, we helped to watch it now and running about the woods, playing hide
or home which we reached by dinner We sat down to a meal of steaming hot potatoes and beans, buns and milk, which ought to, I think, tempt the appe-
tite of a king. After dinner, theo three of us started for the swamp. When we got there, we found it hard work to get to the tree we wanted to cut down, on account of the deep, soft snow. Harry
and father started to cut down the tree, while I went to the river to see the ice, which I found in splendid condition-as smooth as glass. When I got back,
father and Harry were sawing up the ather and Harry were sawing up the
tree. I at once started to trim it, and I found it easy work to keep ahead of them. By half-past four we had the tree, which was a beech, cut up, split into slabs and piled up, so we the
started for home. We had to feed the stock again, bed them, and also milk the cows. We had these things done by six, and were ready for our supper, after which we read the paper for a while skate. He said, "All right," so we got ur skates and started for the river. It he river for ahout three mi skated up eturned more slowly, hot and tired. We pulled off our skates, and were soon Alterward in bed.
ALBERT W. Johnston.

## Little Winnie Bright

 Little dancing foet, Out on the golden sands, Making brittle housesHappy, merry glances, Sunny smiles to all:
Running fast and deftly

Little Winnie pleases,
For she is so sweet,
Loving, gentle, kind to all
Whoever she may meet.
So the children call her
Little " Winnie Bright, Because they are so happy
When she comes in sight For they have a merry day, Rushing about, and in, and out
All in the golden sun.

Then, little ones like Winnie,
Oh ! let us loving be
or the Holy Saviour
kind hearts to see.
-ELIZABETH B. EATEN
The Story of Caliph Stork
An Otd German Fairy Tale Translated by James Speakman, Penhold, Alta,

CHAPTER III.
Sadly the enchanted storks wandered through the fields; they knew not what to do in their wretchedness. They could not get out of their storks' feathers ; it was no use going back into the city to make themselves known, for who would Caliph ? And even if anyone had believed them, would the inhabitents of Bagdad want a stork to reign over them as Caliph? So they crept about for several days, feeding mberably on field
roots, which were awkward to eat with their long bills. For lizards and frogs they had no appetite; they were afraid of spoiling their stomachs with such delica-
cies. Their only comfort in this sad
and plight was that they could fly, and so they often flew onto the roofs of Bagdad Fo see what was going on in the city. For the first days they noticed great about the fourth day after their enohant ment they were sitting on the pelace of the Caliph. From there they saw a splendid procession in the street below. Drums and files were sounding. A man riding on a horse with fine trappings, surrounded by a dazzling retinue of servants. Hall
after him, and
Ball were shouting : Hail Mizra, ruler of Bagdad !" the Then the two storks on the roof of the Chasid said: :" Do you now begin to see Grand Vizier, why I have been enchanted? This Mizra is the son of my deadly enemy, the mighty magician, Kaschnur, who, in an evil hour, vowed to have vengeance on me. But, even with me, thou faithful companion in my sorrow ! Let us make a pilgrimage to the tomb of the Prophet; perhaps the en-
chantment may be loosed in that scared chante." place."
They
They rose from the roof of the palace, the flying did not go very well ; the two torks had too little practice. after. a few hours, " with your peratcer, a I wh't hold out much longer; you fly too uuickly. Besides, it is evening, and we would
sheiter for the night."
Chasid listened to the prayer of his servant, and they flew down the valley to a ruin, which seemed to offer them a
shelter. The place where they had
Then shelter. The place where they have setted ar castle formerly. Beautiful pillars rose out of the ruins ; several apartments, still fairly preserved, witnessed to Che former splendor of the palace. Chasid and his companion went are corridors to find a dry place ; sud-
the cory
denly the stork, Mansor, stood still : "Lord and master," he whispered, "i I hope it isn't silly for a Grand viald of
much mone for a stork, to be afraid of much mone for a stork, to be afraid of
me somebody has been distinctly sob bing and moaning.
Then the Caliph ard quite clearly also stood still, and seemed to come from a human being rather than from an animal. Eagerly was going in the direction of the
sounds of sorrow, but the Vizier seized him by the wing with his beak, and implored him not to rush into new, unknown perils. But in vain ! The
Caliph, who had a brave heart beating ven under the wing of a stork, bore him ell toose with the loss of a few feathers and hasbened into a dark passage. He soon arrived at a partly open door,
through which he clearly heard sobs and through which he clearly heard sobs and
walling. He pushed the door open with his beak, but, in astonishment, stood otill on the threshold. In the ight-owl sitting on the floor. Big tear were rolling out of her large round eyes, and in a hoarse volce she poured he omplaints through her crooked beak
when she saw the Caliph and hi Vizier, who had followed his master, she raised a loud cry of joy. Gracofully she wiped the toars from hor eyes whe her rown-speckled wing, and to the grea
eurprise of her hearers, she cried out in good human Arabc: "Welcome, yo storks I You are a good omen to me of
my rescue, for it was once prophested to my rescue, for it was once prophed come When the Caliph had recovered from his astonishment, he bowed down wit his long neck, put his feet into a grace words make me think that I see in you a companion in sorrow. But alas 1 your hope to find help through us is vain.
You will see our helplessesess yourself You will see our helplesseness yourself
when you have heard our story." The when you have heard our story." The Caliph began and told her what we alCaliph began
ready know.

## A Bitter Lesson

Velpeau, the eminent French surgeon,
succossfully performed a perilous operation on a little child, five years old. rhe office end sald to him " Monsieur, my son is saved, and I
really know not how to express my really know not how to express my
gratitude. Allow me, however, to pregratitude. Allow me, however, to pre-
sent you this pocketbook, embroidered by sent you this
my own hands.
"Madame," replied Velpeau, in a someWhat bitter tone, "my art is not merely a matter of feeling; my life has its
pecessities like yours, and sentiment must give way to these requirements. Allow me, therefore, to decline your charming little prssent, and, if agreeable to you, to re-"
quest a more substantal remuneration." ". But, monsieur, what remuneration do you desire ? FYx the fee yourself?" "Five thousand france, mademe. The lady very quietly opened the
pocketboolk, which contained ten one-thousand-franc notes, counted out five, and, politely handing them to velpeau,
retired.

## Hymorous.

" There is poetry in everything,
in
mused the editor. "Now there is yonmused the editor." "Now there is yonhe sometimes did when he was all alone vocating the advantages of athetic exencises. "The Roman youths," he cried,
"used to swim three times across the
Tiber before treakfiat." The Scotch Tiber before breakiact ine irate professor exclaimed, "Mr. McAllistor, why do you
smile? We shall be glad to share your smile? We shall be glad to share your
amusement." The canny Scot replied : "I was just thinking, sir, that the Roman youths must have loft their clothes on the wrong bank at the end of their
swim." "When I grow up," said little Ethel, witn a dreamy, imaginative lo
going to be a school teacher.
going to be a school teacher."
"Well, I'm going to bo a mamma and have six children,"" said tiny Edna.
". Well, when they come to school to me I'm going to whip 'em, whip 'em, whip 'em." "You mean thing!" exclaimed Edna, as the tears came into her eyes, "what
have my poor children ever done to


Dear Friends,-To judge the essays petition been sent in for the competion, How I am going to have Not garden, has been no sined, and many of them were very excellent In consideration of this fact, we have decided to award six prizes instead of three, the prizes being equal. The names of the winners are: "Sun-
glint," Orillia, Ont.; Mrs. D. Mac Hardy, Fergus, Ont.; Miss A. L. McDiarmid, Ormond, Ont.; " 'ilenore," Sheppardton, Ont.; C. F. Ransom, Nile, Ont Especially though not prizewinning essays, were written by "Aunt Helen,"" "Forget Leeson, Verne Rowell, Maud Jose Sara Smallman, Florence Dodge -Beth," Adeline Wettlaufer. Some of these have been retained for pul lication at a future diste

PLAN FOR a small garden Long ago, I planned my garden for the
coming summer. First let me describe it: : square, about $40 \times 40$ foet, bounded on the north side by the wall of the house from which my two sitting-room
windows look, a picket fence rins along windows fook, a picket wo sides opent to the vegetable garden. In the center, a circle; four quarter moons, one on each corner; around the square, a border three
feet wide. Now this is my plan: feet wide. Now, this is my plan:
First, I shall ask the goodman to do First, 1 she spading. and enrich with well-rotted manure, also to stretch a pleoe of wire
plant the lovely green and white border Oliage; this I also get at the florists
ready to plant. Plant asters, geraniums and foliage one foot apart, each way;
water freely until well set. Around this I shall sow a package of white alyssum,
thinning to about seven inches hinning to about seven inchee
Alyssum does make such a pretty border. I never can resist the temptation to sow The twe require one
lence I shall fill with pansies, transplanted from a bed sown last fall in a corner of the vegetable garden and well two with Phlox Drummondi (mixed) and verbena (mixed). These spread and intertwine, forming a perfect mass onauty; pinch off the ends that sprea on waik (plant or thin one foot). Alon after once sown or planted, thrive and Gloom year after year, with listle or no care; a double pink rose bush in the center, then tail phlox, Canterbury bells, bleeding heart, sweet william, larkspur, gaillardia, dafiodils and Gypsophilia (baby's boviquets; along this a border of pink and white daisies.
Directly opposite, dividing this part
from the vegetable garden, I shall plant dahlia bulbs to form a hedge. Anyone
who has grown them knows how they who has grown them knows how they multiply. I, started with iour sent me by a friend, now I have buibs in abumfor my hedge (for, culture, read in "Ad-
vocate," March 81 st ). The border by the sw the house, I shall fill with a variety for cutting-asters (mixed), antirrhinum, candytuft, stocks, petunias, salpiglossis.


Plan of My Garden.
netting along one end for sweet peas (for culture, read in "Advocate," April
7 th). In the oircle, I shall plant seven Danna bulbs (Queen Charlotte), one in the center and six around, two feet apart beautiful for the center of a lawn plot than those with their magnificent foliage and spikes of gorgeous bloom. Two feet
from those, I shall plant a row of asters (Daybreak). This variety is simply un surpassed, the flowers are round, large and full; these will make a beautiful conand the next row, which shall be double scarlet geraniums. As regards ger scarlet geraniums. As regarns gor a florist and buy what I require for bedding; they cost five cents each, ready
-ooted in small pots, and when set out soon begin to branch very rapidly, spilk after spike of bloom following until
rost
comes. Around these, I shall
scabiosa, marigold, dianthus, nícotiana, and mignonette; no carden is perfect Mithout a liberal supply of mignometto. These I shall plant without regand to ground. I think varieties in the back ooks stifl if planted " just so." Close o the hedge I shall sow white alyssum otthing is so dainty for a border, unlesa tut that comes rather expensive if one heeds a large quantity. (Always allow space for branching, and keep free from weeds, as flowers and weeds do not do peas, shall supply me with flowers ore for my table, to give away, bouquet for a sick friend, a bouquet to
hand over the fence to the little ohild gazing so eagerly through the pickets. of flowers? Any of the annuals men-
tioned may be etarted in the house in oxes, or sown in the open ground. Of
course, if sown in the ground, one has ourse, it longer for the beauty. A crimtween my windows. In the fall, I intend to fill the border nlext the house with buibs hor spring bloom-hyacinth daffodil, joxquil, tulip, crocus, and snow-
drop, with a border of lily of the valley. drop, with a border of lily of the valley,
In, selecting flower seeds, I always choose those varieties which branch and bloom intil killed by the frost; get my seed rom a reliable florist; always get the
best strain, and am never disappointed. Anyone may have a flower garden similar to this on a larger or smaller
scale, provided the fowl are not allowed to run riot: the surely every farmer's wife is entitled to a plece of ground $40 \times 40$ that she can call " her own." The walk between the flowers may be sodded, sown in
is), or gravelled.
I always go to the woods in the fall start my in a supply of leaf mould to of sand. I malke out my list, and send ior my soed in Januiary. In February, cellarg my box of leaf mould from the the oven to kdil any inveots. Ind then in to the root-house and get some of the eoll that has fallen from the roots. This is oxcellent to mix with the mowild, spread a large paper on my littohen floor,
and begin. First, I sift all the earth through an old colander; mix througly, leaf mould, soil and sand; then elll. es many small flower pots an I require. I uso pots because they take up so little room.
I set them amonig my houee plants, and by the time the seodlings are geady to transplant into boxes, they cin be bot outside during the day, unth reedy for
the garden. of course, thie meens conthe garden. of course, this means com-
siderable work; but it is works thit lovers of flowers delight fin, for do we not look forward to the rowerd. Here is an idee which anyone onn carry
out; this I saw while visiting a friend in town : veritable flowers garden in in hals barrel, elmply a salt or suger burrel sawn in two, lengthweys, briood acrosm each end, painted a dark green, att on
rustic sawhorse, and filled with fuchsias geraniums, folliage, nesturtiums, warider geraniums, foliage, nasturtiums, wander-
ing Jew, etc. The efteot was mote
beautiful, and looked like a huge hangbeautififl, help, goling to have one of those at ench nasturtiums. Now, dear Dame Durden, if you Vialt
this part of the country during the sumemor, call and pick a bouquet from my ovely fower garden.
Fergus, Ont. MRS. D. Mactiardy
a Lakeside garden
Doar Dame Durden, -As a prelute to ny eseny on wy Coming Conden:" 10 keep house for my farmer, jlke many ny outside work, being now to for ife; ound erter the first year, litite hy an howers formed a habit of dropping a time, oncosy so perriape it Wha not a
blamiepble thought, though at homed wo blanieeble thought, though at home we ful ganden hinking name, when one spring some-
ne sent mo a peoket of Rennlo's wild ano sent mo a paoket of Remnio's, whid them, and taking a look aroumet, I spot, dug a bed about four by ected a spot, dug a bed about four by解 due time, the bairns and I were rewardied by finding the tiny plants ap pearing, and them who so happy as 1 , a pansy, that a poppy, an aster, yes, and that wee one was surely a petunle I How anxiously the ohildren watched the grow th of the ones I was not sure albout,
till they knew the appoerance of ench sprouting seed as well as I. I never once had to say, "Don't pull up mother's
flowers : "He they loved them as well as I flowers : "they loved them as well as I
did. That packet was a great did. Though I have since had "" roese and lilies and daffydowndillies" nothing over gave me greater delight than my four-y-ten plot of mixed-up-ed-nese. Having formed the ased-catalogue habit " in my girlhood, it is not sur-
prising that towards the end of January every year I find mysell, looldis orward to the advent of the flrat of these harbingors of spring; and an they
follow each other in rapld suocesilon, I

EVERY YOUNG MAN from the farm ehmila plan for a course

J. W. WESTERVELT, Principal.


 Dunlop Ideal Horseshoo Pad


FAIR DIPLOMAS


LONDON PRIITTNE \& LITHO


Norway Pine Syrup
Cares Eovehs, colds, Bremolinors Palo or Tightoess in the Chest, Ete.

grow almost feverishly anxious for th
snow to leave, that I may begin at the summer's operations. My Mlans are
all laid then; and in order that all may all laid then; and in order that all may
understand the possibilitios understand the possibilities and limita
tions of tions of my garden, I shall say that the
only available spot lies directly in front
of the house of the house, faces the south, and slopes
gently down to a rather pictureosue gently down to a rather picturesque
stope wall, a grass plot beyond, and
then the lake, My plat is then the lake, grass plot beyond, and
cording to gardening is not laid according to gardening authoritios, but ac-
conding to circumstancos. A board wall cording to circumstances. A boand walk
leeds down to the wall, where it turns
end and runs a few paces to a gate sheltered
hy a great old butternut. On either
hile side of the path, tullips and hyacinths are already showing in green and brown
rows, although it is rows, although it is only three dows
since the snow-Llanket was drawn their faces. To the right, I shall have a wide border of perennials-peonies,
sweet williams, pinks, lilies, columbines, phlox, doutle buttercups, and many
others. Beyond these and shutting the view of the currant plantation shall have a rose hedge-white, cream and many shades of pink; and heading minot, that gives me its great crimson blooms from July untill showfall.
Op the other side of the wall, beyond
On the other side of the walk, beyond
the hyacinths, I shall have another borders this time of annuals, in wild disorder blent, poppies, petunias, coreopsis, mignonette, marigolds, scabiosa, and all
the old-time favorites. This part of the the old-time favorites. This part of the
garden will bring the most pleasure to garden will bring the most pleasure to
the children, and already, in imagina-
 come and see what it is." For I al-
ways try to add each year. Nearer the house, and a little shaded, my pansy bed finds a place, where the
sweet, velvety pictures of innocence. will look out like
Beyond, in state ly rows, I shall have Beyond, in statebalsams and stocks that I can obtain,
each family in its own place, and in all each family in its own place, and in all
shades and colors. Then, having reached the limit of space on that side, ing the small-fruit vines and hedge hid-
plenty plenty of bloom for cutting and dis-
tributing to all visitors; for I, discovered that sweet peas reward a
generous hand by fowering generous hand by flowering longer and
more abundantly. Lastly, along the more abundantly. Lastly, along the
stone wall I shall have a row of double hollyhocks, all shades, from white to
black. In front of these, a row Japanese sunflowers and Rudbeckia will
be most satislying be most satisfying masses of golden
color. With vines along the walls and that, if not exactly artistic and rather leaning to the common place, will give
us a great deal of wholesome pleasure. The best of it is I can do all the
necessary work in it myself with all help from the children, and stilif find time to give a good share of attention to the
vegetable garden. regetatle garden... This will be the
nower garden proper, and does not take
into consideration the half dozen little plots oonsideration varying sizes half dozen little
occur whepes that
wherev the child to whom each occur wherever the child to whom that
one telongs wishes to llace them; and
it all bids fair it all bids fair to "come true." for I
have taken a tour in inspection since the
snow left, and find that old winter has
been very good to me and not

EASY AXD BEAUTIFIL.
Although painfully conscious that the
plan will hardly prove feasible this year I would like to arrange our garden like
one I saw last summer.
A vivid picture in remembrance is that
of the pretty little cote A vivid picture in remembrance is that
of the pretty little cottage embowered in
clematis and honeysuckle vines; the
starry white flowers of the clematis and starry white flowers of the clematis and
the trint scarlet blossoms of the
honeysuckhe intermingling with delight-
ful ful effect.
over the wide lawn were scattered
some very fine flowering shrubs-hy-
fran drangeas, veritable fountains of white in
the bloomin! season, spirxas and
Weigelias, with dense clusters of Wengelias, with dense clusters of rosy-
pinke and deep-rimus, flowers, and a
magnificent specimen of the alwayslovely rose of Sharun
A low, wet spot at the font of the
side lawn had been thatitured into a
perfect wild perfect wild garden oi inlies, iris
caladiums, and other semi-aquatic plants,
outlined with a fringe of Eulalia grasses.
Toward the rear of the house, against
background of tangled shrubbery
memorial rose tralled its shining ove green leaves and fragrant white blossoms
over a wild rockery. An unsightily board fence separating the lawn from the kitchen garden served as an exoel-
lent support for a rampant Wistaria vine, buparing all summer long its lovely clusters of violet-blue blossoms. One of the prettiest features of the grounds was a garland of roses, crimson
and white ramblers, which was festooned along the driveway, using posts and heavy wire for support. The grounds were separated from the
roadside by an exquisite hedbe of Eng roadside by an exquisite hedbe of Eng scenting the entire premises.
some practical hints. In arranging for this year's garden, I
shall first purchase three packets of sead of easily-grown flowers, and shall ask
two of my friends to do the same. Ater dividing the seed evenly, we will Atter have nine varieties, which, with eaed
saved from last year, will produce as saved from last year, will produce as
many plants as wo can look after many plants as wo can look after
properly. When the beds are ready to properly. When the beds are ready to
receive the seeds and plants, they will receive a liberal supply of bofling wator
to destroy seeds and roots of weeds, and all insect life. As soon as the frost is
out of the ground, I intend moving the out of the ground, I intend moving the
daffodil and white narcissus bulbe to an oval bed at the east of the house, where. after their season is over, I shail plant out the geraniums and coleus from the
house. Slips of houseplants will bo started to grow in cardboard boxes in the house. By putting the boxes in the earth, the plants are not hindered in growth, and the cardboard soon decays. take the place in the house of the geraniums. Cut flowers and the delicate feathery fronds of the ferns lend a charm
to the home. to the home.
To have a
roses, I shall trang soason of blooming each side of the house : those on the south and east blooming first, then
those on the west and lastly on the north. In the front of our house, which likes the south, I shall have a bed of and cannas. To protect their roots
from the sun, I shall plant mignonette poppies and phlox Drummondi. In in and round bed, four feet across, I shall have a plant of the castor-oil bean, around it
coreopsis, asters and portubace. crescent-shaped bed will portulaca. with border of parsley. which will be table. Around two large black walnut and morning-glories to entirely cover the trunks with a mass of shining green foliage, bright with flowers ; and if our side veranda is completed in time, I
expect to hang three hanging baskete painted cans, if I cannot procure bas-
kets), one in the center and one at each end, with geraniums, portulaca, ivy and
morning-glories planted in them. The baskets will te jolned together by a
slack wire for the trailing vines to cling
to. By keeping the stray ends of vines lied to wire, or clipped off, I shall soon
have lovely festoons of green foliage. I
have read that to have finelycole sweet peas, the sun must not shine on
them all day, so I have decided to have a hedge of these fine flowers running west, to allow the sun to south-west by
side of the row on each alternately. The sweet peas will be
planted in a double rew apart, in a a drench, with row, four inches As the woodshed is plainly seen from
the drive, I intend planting scarlet runners and morning-glories to hide the
wall. A strip of wood will be fastened top of shed for vines to run up. In the
pont ith the planted, withe border of phlox will be
north side of the house I begonias, lilies of the valley and myytle.
The rest of my flowers, including nicotiana, marigold, and petunias will be
planted in a border on the west of
house. When the crocuses the intend taking up the bulbs, letting the and there over the plawn, where, hext here
year the the year Lefore the grass is more than green,
the dainty purple and white flowers peep through the cold earth, gladdening
the hearts of all who see them

Directly oppente the kitohen window can be used in maliling a which, I think the children to play in. Two posts, six end apart, will be placud one at ea
of the lilacs. Two more will placed four feet east. The tops of posts will te joined by scantling : this and crossing on the sides will
 grow rapidly, will soon spread, and afrond a protection to the Itttle folks from the sun's rays... I do not $\ln$ astonishing how much one can do in in hour. Help. Will be required occasionally to water the plants in dry weather as well as in making the garden.
It time well spent, in which
is the cares and worries of house. keeping are forgotten in admiration of the beauties of the flower world. The
bread-winner will surely find his work bread-winner will surely find his work
pleasure, if he finds his helpmeet striv. ing to malke their home beautiful.

## alenore.

## an easy garde

 In these times of scarcity of help, dinary farpuer and his family to spen very much time upon beautifying hishome and its surroundings home and. its surroundings. Still the attractive garden is well worth a strug gle to obtain. There are so many hardy shrubs and perennial plants which can be permanently planted with splendid
effect, and which will, without tention save a little hoeing to keep beck the grass, or a mulch of strawy manure yield a profusion of tright coloring al summer. Now, to describe a garden take our stand at the front door. our garden sliopes to the south, so much
the better, for nearly the better, for nearly all plants revel in the sunlight, and without it, will, like
ourselves, be weak and sickly. Our porch is be weak and sickly. Ou
clematis clematis Jackmanii, grand during the later summer with royal purple. Op posite to us, as a centerpiece, is a large
oval bed, filled with the brightest of scarlet flowers-geraniums. Shirley poppies vantage of costing bund have the adDown near costing but a few cents. the right, the other to the left, which have been planted with hardy perenniels. The large doutie pink peonies are a grand mass of sweet blossom in their irises will te in their glory, and the golden glow of Ruafbeckia will gleam with the touch of Midas. 'Along the garden circle are flowering shrubs. in a semiese quince, with its beautiful foliage coming on after it has been ablaze with gated wigelia and or fall; the pink veriowhose flowers remain for paniculata, late in autumn ; spireas, and the beet is Van Houtaii, are fountains of whiteness. Nearer to the house and somewhat in the satisfactory of syringas of that most which Charles $X$. and the white are On the right, and close to the house,
in the angle where a path leads from the drive (which goes to the back) to the
front crevices we have the common ferns from
the werk common red wild with the purple and the
is a clumper of chese by lish childhood's days, the pink our foxglove On the garden side of the drive, which shrubs to along the bank of flowering long narrow bed filled with stocks and

> an early beginner.

Our flower garden is located on the
south side of the hōuse, and just behind tering lawn; as I never beds here and there wher ever it comes handy, for
planting is never attractive.
Lest as possible. Last autumn I had my garden spaded
and enriched, and all roots and stems of annuals removed; thus leaving the ground n readiness without further work for the
spring planting. The gharden and
The garden and lawn are surrounded by

## MA

had trouble witu the hems, but now this fence keops out all such marauders. two eve triangular. They are separated by a gravel walk, which leads to a gate
in the aforesald fence. in the aforesald fence.
shoutd have some, as they bloom early and late, and require Hittle care. What a brightnese the golden daffodil or the yellow or red cowslip add to a garden
in the early spring, oven before the annuall have eprouted. In almare have the dahlias started in a box in March, and
when spring comes they are sprouted and
ready to transplant when all danger of ready to trat
frost is past.
As vines are so beeutiful and so easlly
grown, I have several varteties against grown, I have several varteties against the house at the back of my garden
Few people realize the attractiveness Few poople reaize one attractiveness
that olimbing plants add to a dwelling, as the dark green of the ivy makes a
pleasing background for the brilliant pleasing background for the brilliant
flowers in front. As soon as the snow is gone, I plant my seeds of asters. in
their different colors, one of the prettiest of annuals, and marigolds, balsams,
dwars hollyhooks, petunias, which blossom in great variety of color and
continuity of bloom, the fragrant mignonette, indispensable for bouquets, the Celifornis poppy, with its dassling blossoms, the sinnia, which succeeds in
any sotl, and the sweet pinks, the borany sot, and the sweet plaks, the borternatively, always taking care to have
the tallest flowers to the back of the bed, so as not to obstruct the view of
the others. When the weather gots warm and bright, I bring out my geraniums and set them in the places re-
served for them. In one ted are tulips served for them. In one ted are tulips
of all colors, while the other triangular of all colors, while the other triangular
bed I devote to the culture of pansies alone, and what a never-failling source of pleasure they are to me. corner of the house to the fence that encloses the lawn, covered with sweet-pea vines and those of the climbing nastur-
tium. My method of planting sweet peas is this : open a furro, six of elght inches inches of very fine black soil; drop the peas in elther single or double rows, at
intervals of about an inch; cover with two inches of fine soill, thas louring at
a innish a furrow three or four inches deep. This furrow is to to gradually filled in by successive hoeings, atter the peas have germinated and grown out of
the ground. Provision for the running nature of the sweet pea had better be
made at the time of sowing. They require but little further care, except to run. now. to close, I should advise everyone to have a garden, for it will
not fail to te "a thing of beauty" and joy for three or four months of the
(Mrs.) J. H. PENTLAND. year.
Nile, Ont

## The Critic.

 The critic stood with scornful eye Before a picture on the wall ; It is not natural at all. It has too many legs, its headIs far too large-who ever. saw
A fy like that, so limp and dead, And wings that look as if they-
pshaw ! And with a gesture of disgust
He waved his hand, when lo ! He waved his hand, when lo the fiy
Flew from the picture. "Ah! some The critic said, "was in my eye."

Character of a Happy Life. How happy is he born and taught
That serveth not another's will; Whose armour is his honest thought
And simple truth his utmost skill.

This man is freed from servile bands
of hope to rise or fear to fall Of hope to rise or fear to fall;
Lord of himself, though not of lands
And having nothing, yet hath all

Let us dread most of all to be builders for Satan with those powers which
the Father gave ui to build with for
Him.

## Fashion Notes.

A pretty, attractively-dressed child is
the bent pioture the world can look upon.
The Russion The Russian blouse for the "tiny man, little coat pretty and becoming. kníckerbockers are full at the knee, being
hemmed over an elastic band. Thes hitmed over an elastic band. These
little suits, made of summer materiale, are very pr
laundered.

## and ruffles maid has as many frill

 her mamma. A pretty style is the French dress, which has a long waist and or insertion, and cut either round orsquare. The neck is finisher with square. The neck is finished with nar
row beading (insertion), in which is run narrow baby ribbon. Around the bottom ofged yoke is a frill of the material
edgrow lace. The skirt it ormed of two frills, one wider than the Ther. These, too, are edged with lace
They must be gathered very full in orde to give them the proper fluffy appearance. With this dress a wide sash
is worn.
Some very dainty ribtoms are is worn. Some very dainty ribtons are
shown now that malke very pretty sashes,
many of these are flowered and dotted. The little frills of fashlon are what give freeshness and beauty to the dresse.
They are to the dress what the blossoms are to the plant. It is wonderful what the smart giant. can do with a fow yards
the malkes little bows to asten the front of her shirt-waist. At the back of each bow is fastened a small
safoty pin, and in this way they are safoty pin, and in this way they are
pinned to the waist. All sorts of bows
are made for hats. Not only one bow are made for hats. Not only one bow,
but numerous little ones are made and put around the crown of the hat at regula
intervals. A hat of navy blue straw i very pretty, trimmed with corn-colored silk, which is folded and put around the Crown, with a large rosette in the front
These little bows are made of navy blue Thase little bows are made of navy blue
satin ribbon, about one inch or an inch
and half wide, and placed around the and a half wide, and placed around the ing hat for every-day wear. A nifce bow Cannot be made from a "" skimpy " piec the bow Hes in its freshness and crispness. Rosettes are used a great deal for to one and a half yards of ribhon are re quired to make a rosette, the ribbon being from one to one and a half inches
wide. Ribbons, which are not the same on both sides, for instance, velvet riboon, must be given a sharp twist in order
to keep the right side foremost in making bows and rosettes.

The separate shirt-waist, though not onsidered so smart as the waist made of meaps out of fashion. A waist made of
woollen material, the same as the skirt. is too warm for summer wear, therefore the shirt-waist still remains popular.
Light materials, such as chifon, lousine Light materials, such as chifon, lousine,
1therty silk, organdie and muelhn, the same shade as the skirt, make pretty and effective waists. If made quite plain, a large lace collar is all the trimming re
quired. The yoke may be left unlined. A rounded or V -shaped, transparant yoke is always becoming, and cools. On the thin lawn and muslin waists, which are
very elaborate and handsome, tucks, very elaborate and hardsome, tucks,
shirrings and lace are used in abundance.
AUNT LYN.

What time is it, my lad?" asked an American traveller of a small Irish boy
who was driving a couple of cows home who was driving a couple of cows home
from the fields.
on Abut twelve o'clock, sir," replied the boy.
". I thought it was more." " It's never any more here," replied one again."
Brother Jones was noted for his long
and laborious prayers and although the and laborious prayers, and although the they were not at all pleased to hear him pray in moeting. The new minister was not aware of Brother Jone's unpopular-
ity as a "prayer." so he had no idea ity as a "prayer." so he had no idea
why a ripple of amusement passed over
the congregation when, after a hymn had Cie congregation when, after a hymn had
boen sung, he said, ". Brother Jones will
lead lead us in prayer," and in a fervent
tone added-"" and may God belp us." tone added-" and may God help us.
[Mipplacotil".

## 

 Advertisements will - be inserted under thisheadinin, such as Farm Properties, Help and
Situations Wanted, and miscellaneous TRRMS-Three cents per word each inser
tion. Each initial counts for one word and figures for two worrd. Namer ane and addresses
are counted Caih must awayn acompay
the order. No advertisement inserted for less han 50 cen
$\$ 800.00$ a year and erpensee for men or agencles, to eetablilish new women, po vo vieatit our


$\mathrm{F}^{\mathrm{ARM}}$ for asle-Townehip nist. Vincent, Count

 $\mathrm{B}^{\text {UFF Orpington egge, }}$ EGOS FOR HATCHINC $\begin{gathered}\text { from } \\ \text { from } \\ \text { a. P. P. Rocke } \\ \text { winter } \\ \text { bred }\end{gathered}$
 FISHEL WHITE ROCKS, BROWN LEGHORNS Trges $\$ 1.50$ per setting. Stock for sale BARNET- BRO8.. FERQus, Ont.

## The Wagon-wise Farmer <br> 



 Electric Handy Wagon




The Western Implement Mfg Go., Itd.,
STAMMERERS
THE ARNOTT INBTITUTE, BERLIIN,

AYRSHIRES E YORKSHIRES Choioe February and March calves, sired by
Prince of Barcheskie (imp in dam) and deopnilling dams, Cheap if taken soon. An extre



 ot rich breading, with individaanty to match. Ho also ofrers Yorktatire boars
and sows, brod trom limported ind sows, bred hrom hmportad brookh
Write, or coal and soo him at his Bolvolr Farm, near the city of London the less ut beautifl.
Meesrs. Duncan Brown \& Sons, of apt. T. E. Roboon, nderton, the im ported Duthib breded ocw, Scotituh Rose. $y$ the great breeding bull, Lovat Cham eam, Arrst-prize two-searoupold pull at tho Dominion Exhibtion, Toronto, 1903. Mrr. rown had rutroan from breeding short orns some two or threo yearrago but not outiter happy withoot them, mand ho
 best in type and broeding.
A sliort distanco froin Copotown ster. An ies he farm ot Mr. Elmoer Dymant, ars. tays ho can make more money out of took that ho hay other brat. Hanoh took wive Satablahod by repreasatatives, from the Tillear fook, R. H. Harding's. .oll an enthuthaste oreoder, that want moch Yorkohire plys, using nothing but the
 Alvays mention the .. Farmer's Adro-

Regarding the new Toronto Bxhibition arena, announced in last week's "Farm-

 aren tor the axhibt of live tookt; at .

 Canada what the Manufecturers Bund
ing is to the manufacturing industries of the Dominion. Wo are destrous of plian-
ning the building so that it will prover ning the building so that it will prove interest, in whose behalf it is eupecially being constructod.

The annourammit in the onverreme in this issue of the jolint sale by araution on June 28th, themint Hod, ot it, of 62







 enience. The hercio contributher io Tominion in brooding end indiriau Charator, being doeply-bred in the mord taving oni had the omant ot tho no
 ogue will sotow ar good trooding tim the ot any pubicic eate medd tin omanat in re Cont years, and we are assured that the
Contributores have made it a potatut to onier Mhly such selections as will be cradtrabio
to themetres, and such as they are ore

 lying for it through Mrr. Hudeon Uither

SHorthorn bucls for B. $\mathbf{C}$
 British Columbia, most of muth have
peen purchased trom verious breotera in
 if Mr. Mererer, who whowa tho road dind
ihe lay of the Paifice provinco, having
 made an exchibit of Shorthor
leading shows there lait your.

## GOSSIP.

Mir. Justice Anglin has given judgment dismissing the action of James Rennie,
Blackwater, Ont., against the Toronto Indistrial Fxhitition Association for a prize of $\$ 25$ and $\$ 2,000$ damages beoause of prizes retained:
"I want five cents' worth of glory ing intently at the cleri in a drug store. Everybody within hearing of the infantile voice either laughed or smiled, while
itr. Gray, the drugman, looked sertous, and appeared to be thinking.
\% Are you sure it is glory divine? ? he asked the little one.
"Yes, sir," was the response.
was the next question.
"To throw around the room and into the backyard," said the little tot, innocently:
thed the cregmen.
The little girl nodded har oon she was on her way homent, to her moluer.

On the occasion of a recent visit to the
home of Mr. Hudson Usher, of Queenston, Ont., the '" Farmor's Usher, of Quieenston, Ont., the "Farmer's Advocatio" fifld man foumd there an excellent herd of
head of shorthorns in capital condition, including representatives of a numbter of the favorite Scotch-bred families, and
headed by the superb imported bull, headed by the superb imported bull,
Derby $=32059=$, a Sittyton Secret, toy the Bruce y Rosemary bull, Jemidar. Derby is one of the thickest, mellowest bulls it has been our pleasure to hainde, and that. he is proving a prepotent sire the young stock in the herd, which are uniformly true to type and of first-class quality of flesh. Mr. Usher is contributing twelve head to the combination
sale to be held at Hamilton on June 28ti. They are mostly young cows with calves at foot and in calf agrin to the great breeding bull, Imp. Derby, and they are tion.

## VALUE OF A CHARACTER

 What shall a man ask in exchange forhis character-the one asset that is greater than all other assets? In every walk of life the man who is sought after
is the honest man. To him all things are possible. Not only in banks, but in every branch of the manifold activitios of business and of daily life, the strictly
 able integrity is his great qualification. Confidence is the corner-stone of business. Reputation is the superstructure, and it
can be raised only on a well-grounded can be raised only on a well-grounded be worth watching, let him once come under the shadow of suspicion, and his commercial value falls far below par.
often, no doubt, the mistrust is unOften, no doubt, the mistrust is un-
merited, but time proves all things, even the moral fibre of every man.

## AYRSHHRES FORE

 Some choice heifer calves. Price, from $\$ 15$to $\$ \$ 35$ each. Registered. $\frac{\text { JUHM FREGUSON, Camachie, Ont: }}{\text { WPERFEGTLY }}$ DELIGHTED with the results, they work marvels. My
skini is cearing beav-
kifully, in spite of the
 FRUO-NFRVINE
ACNETINE AND DERMO-NERVINE
(PNIOE \$2.50, EXPAEsS PAID) will do for a bad case of Pimples, Blackheads letters we are receiving daily testifying to the
great benefits received from using our reme. SUPERFLUOUS HAIR,
Moles, eta, removed permanently by
lysiis, Sctro-
Satiefaction guaranteed. Send
10 lysis, Satikaction guaranter
for book and sample cream.
Graham Dermatological Instifute, - Dept. F, 502 Chureh St., Toronto. ABERDEEN-ANGUS.
 Will sell some females bred to
Imp. Klondye of the Burn.
Drubb em

TRADE TOPICS.
AN IRON SUSPENSION BRIDGE, 36 foet long, planked, and in good order, is advertised for sate by o. S. Hymen of Co., of the tamnery, London, Ont.
LAME HORsES.-See what the Dunlop Tire Co.. Toronto, have to sey in an horses. It may help you and the horse - - -

CIDER AND JELLY MACHINERY.The Boomer \& Doschert Pross Co., of
Syracuse, N. Y., have issued their thintyfirst annual catalogue, descriptive of presses, evaporators and other machinery
for making cider, vinegar, apple jelly, for making cider, vinegar, apple jelly,
apple butter and other products. It is very complete and fully illustrated
Persons interested should write thera 10 or coples, mentioning the "Farmer's Advo cate."
A THRESHING REFORM.- One of these days there will be another blg grain crop in Canadaers should insist thresh, and the farmers should insist
upon threshermen having up-to-date maahinery. One of the finest labor-seving
devices of the day is the comblined dovices of the day is the combined
threesher and cuttingliox perflected by the thresher and cutting-box perfoct, Loy the
Goo. White \& Sons. Company, London, Ont: who also turn out sell-feeders, howers, traction and portable enigines.

Farmers in several parts of the country | Farmers in several parts of the country |
| :--- |
| heve toetified through the |
| 1 |${ }^{\circ}$ Farmer's Adhocate of of the value of a machine that will thingh and cut the straw in one opera-

tion. The advantages of the plan were tion. The advantages of the plan were very carefully described in our issue of
March 10th last. It reduces the trouble March 10th last. It reduces the trouble
of threshing time to a minimum, puts of the straw into the smaileot posible space, the straw is in gaod shape for
feeding, and the manure 1s "s short "o and feeding, and the manure is "sthort "o and
in better condition for spresiling on the in iels in winter and early spring. Read the White aminouncement in this issoue, and writ
circular.

THE CREAM OF IT.-One of the finest booklets that we have seen is being sent out by the Empire Cream Separator Co. Who have instituted the Empine way in throughout with engravings in keeping with the subject mattor. The Empire poople heve the faculty of presenting
their arguments in a very intereeting was, and of their several recent pubilioations, the catalogue here referred to, is the beot. Readers intereited in dairying should send for this booklet, which
is froe. Address, Empire Cream Separais free. Address, Empire
tor Co., Bloomfield, N. J.
The auotion sale on April 13th of selections from the Shorthorn herds of
Messers. Geo. Freeman and W. T. Garne, of Gloucestershire, England, was a very succossful affair, thirty head from Mr. Garne's herd averaging $£ 78$ 14s., or
$\$ 408$, and 89 from Mr. Freeman's herd $\$ 408$, and 89 from Mr. Freemans
$\mathbf{£ 5 9} 7 \mathrm{~s}$. The highest price, 230 guineas, E59 7s. The highest price, 230
was paid by Mr. Cesares, for South
pat was paid by Mr.
Amerion, for the bul, Medlar, by Bap-
ton Crown, bred by Mr. Deane Willis, and ton Crown, bred by Mr. Deane Willis, and
used in Mr. Garne's herd. Princess used in Mr. Garne's herd. Princess
Royal, of Mr. Freeman's offering, sohd for 155 guineas to the same buyer, the highest price for a female.

GREAT SHIPMENT OF Yorks. " On April 15th Mr. D. C. Flatt, of Agriculturist, ": shipped from Glasgow on the Donaldson liner. Tolaca, one of the largest consignments of pigs that ever
left this country. The lot consisted of 85 head of Large Yorkshires, which has been selected with great care, and in-
cludes some of the beet animals of the breed that were to be found in the
country. Forty head were selected from country. Forty head were selected from
the herd of Lord Rosebery, at Dalmeny, the herd of Lord Rosebery, at Dalm mich are to be exhibited at the great St. Louis International Exhibition. The
other 45 included the pick of the best herds in Englant. Two of Mr. Day-
hell's Royal winners of last year were in the lot, and among olher herds which had been picked in making up the selec-
tion were those of Sir Gillert Greenall the Earl of Ellesmere, and Messrs. John Barroni, Albert Armitage and Mr. Stuart, Brockvale, Sowerby, etc. Quite a num-
ber of the animals in the lot were in preparation for the leading English

## If You Only Know

How vast is the adulteration of China and Japan teas you would not use them as a gift "SALADA"
CEYLON tea is Rich, Delicious and Absolutely Pure. Black, Mixed or Natural Green.
sold only in nealed lead paokets. By all Grooers.


Turn Your Apples Into Dollars.
J. E. Johnson, of Simcoe, with a SPRAMOTOR, turned the
of 300 trees into $\$ 1,500$ last year.
While his neighbor, Mr. Fick, from While his neighbor, Mr. Fick,
1,500 trees, got no perfect fruit.
You can do the same.
But should remember that to get Spramotor results you must use a
Spramotor, and not any Spray Pump. It is just as important to use a spramoto
ull particulars free,
SPRAMOTOR CO.
68-70 KIng 8t.,
LONDON, ONT

## SWELLING OF THE JOINTS

 DR. CLARK'S WHITE LINIMENT

Pxice 5OC. pex bottlo.

The MARTIN BOLE \& WYNNE CO., Sole Proprletors,


QUISTIONS AND ANSWERS. 1st.-Questions asked by bona-file subseriber,
to the "Farmer's Advocate" are answered in

 and address of the writer.
srd In In veterinary ousitions. the symptoms
especially must be fill and cearly
 Lth-W When a reply, my mail is required to
urgent weterinary or legal enquiries, ${ }^{\text {on }}$ must urgent weteri
be enclosed.

Veterinary.
tongue loller.
Colt keeps her tongue on top of the bit, and allows it to hang out of her mourth. O . J. M. Ans.-Your harness-maker will got you
a bit made especially to prevent this $\underset{\text { habit. }}{ }$

ECZEMA AND BRONCHOCELE

1. Horse has numerous small soabs all over mod by grooming ; but soon reappear. 2. Horse's breathing is seriously affected by enlargement of the glands of the throat.
Ans.-1. This is eczoma. Wash the
body thoroughly with strong, warm soft soap suds, applifed with a scrubbing brush. Give one ounce of Fowler's solution of arsenic night and morning
for two weekş, coase for one week, and repeat, if necessary, otc. 2. The glands can usually be reduced Ly injecting into them the tincture iodine, and applying, internally, in
daily, compound iodine ointment. It also good practice to give one dram iodide of potash twice daily every alternate week. In case this treatmen tails, the glande can be dissected out.

Miscellaneous.
CONCRETE VS. STONE BUILDINGS. Can you let me know if a concrete
ash-house is as good as a stone one? I use both coal and wood, end would coal
glad to see a plan for screening the coal
ashes under cover; also a separate part


ADVERTISE IN THE ADVOCATE. Chicago, 11 .
for wood ashes, if you have any. The ordinary coal ash seems too dusty, when
screened in barrels. Ans.-Concrete is fully as serviceabto
stone. II sitted in a covered box With sliding sifter, there phould not bo
dust.
bREEDiNG OF A HORSE. Could you give me the breeding of
blood horse named Royal Leopard, I think, near Orchardville, ort. ? W. W. Ans.-Certifcates of registration of
trotting horses are issued by a private trotting horses are issued by a private
concern in Toronto, but are not recog concern in Toronto, but are not recog-
nized by thorough-going breeders: Rogle: nized hy thorough-going breeners.
tering trotting horses in this country has
been sadly negleoted, and it Royal been sadry negleoted, and If Royal
Leopard has a certificate of any value at
cll Leopard has a cerincate of any value at
all, which is hardy probable, it was i-
sued by the American Trotting . Regiter, sued by the American Croicaig. II you
with headquarters in Chicag. In
care to investigete forther, get os many cere to investigete further, get es mony
particulars as possilite, and send then
to w. H Knight. to W. H. Kinght, Secretary American
Trotting Register, Ellsworth Building,

1. CREBDIVG OF TEIIPRSE. 1. Can you give the breoding of a
horse ty the name of Tempest, hls number and volume; also of Glencoe Warrior? 2. Own a stallin, sired by a regititered
otallion, his dam is by Chicago Volunstalhion, his dam is by Chicago Volun-
teer, grandam ty Tempest, great gran-
dem by Glences Warrior. One of his dam by Glence Warrior. One of hi Can the horse be registered ?
A SUBSCRIBFR. Ans.-Tempest was by Royal George, a
well-bred blood horse, but not registered will-bred blood horse, but not registared
in any recognized book. At the time of Tempest's colthood, there was not mitch attention given to registering trotting
stock, and we hardly think he got a
number. The same may be said of number. The same may be said of
Glencoe Warrior, although we cannot recall his sire's name. Knight, Secretary
2. Write to W. H. Knig 2. Write to W. H. Knight, Secretary
American Trotting Register, Fillworth American Chicago, agking for blank
Borms of application for registrotlon.
form Fill these out as far as possible, and for-

# GRAND COMBINATION SALE 

 IN SALE PAVILION, STOCK- TUESDAY, UUNE 28.YARDS, HAMILTON, ONT., ON


## 56 FEUALES, 6 BULLS.

OONTRIBUTORS : W. C. Edwards \& Co , Rockland. A. D. McGugan, Rodney. Chas. Rankin, Wyebridge D. Milne, Ethel.
T. E. Robson, Ilderton. Hudson Usher, Queenston.

A choice collection of high-class individuals in type and breeding. For catalogues and all information, address

Auctionours : CAPT. T. E. ROBSOM, THOS, HénAM.
MUDSON USHER, Queenston, Ont.
 BHRLINER GRAM-O-PHONE ivening when the young folks want music to dane to. ff there is a
Gram-o-phone Records of everything in thote hovery member can have his or her desire. There are in PHONES are sold with a 5 -year guarantee

Sold on easy payment plain if desired. Read coupon carefully and sut out and send to us





E. BERLINER,

$$
8315 \text { st. Càtherine Street, }
$$

MOHIREAL.

## IN EVERY HOME

there are different tastes. Some inke violin solus, others military bana there are different tastes. Nome the violim solus, others military band
marches. Airs from grand opera appeal to one, the old faminiar ballads to another--there are times ophen hymans and sacred music are fitting; ovenings when the young folks want music to dance to. If there is a

MAY 12, 1904
GUESTIONS AND ANSWERS. Miscellaneous.

OWNERSHIP OF sLabs. 1. If A takes logs to B's mill to ger
cut, it being steem power, do the slats belong to $\mathbf{A}$ or $\mathbf{B}$ ?
2. If the mill were water power, would It make any difference? ONTARIO. Ans.-1. To A, unless there was some express
contrary.
a. No.

FERTILIERR FOR TURNIPS. We are contemplating planting our turnips on lowish ground, containing considerable deep, black soil. We would
like to ask, through the columns of your like to ask, through the columns of your
paper, what would the the beat chemicals to use for their growth, in combina-
tion with farmyard dreesing ? J. E. H.
Me., U. S. A. Me., U. S. A. Ans.-On such soil we doubt the ad-
visability of adding farmyard manure What such soil really needs is phosphoric acid. It is already rich in nitrogen, one of the most plentiful elements in farmyard manure. Not only does the
soil require phosphoric acid, but turnips respond readily to a dressing . of this fertilizer. Where used for turnip-growing, it is quite common to apply a
dressing of 200 lbs of phosphate to the dressing of 200 lbs . of phosphate to the
acre, which it is claimed increases the crop five tons to the acre. Superphosphate is probably the best form in which to apply phosphoric acid, and
should be added when sown, or when the should be added when sown, or when the
turnips are quite young, as it enatles them to develop a rank resistant growth before the fly arrives.
sow batnia pras.
Sow about a year old, six days ago
gave birth to 18 pigs ; nine are still livgave birth ing, but the only way we can get them ing, but the only way we can get them
to suck is to catch the sow and hold her down, as she will bite and kiH them if left alone with them. Is there any way to make sow quiet with pigs ; elso, would
she be apt to act same way if kept to she be apt to act same way if kept t.
J.
have another litter? Ans.- Put sow in crate, with lower side Boands cut out so pigs can suck and sow cannot get at them. Feed bran
slop to relax sow's bowels, and give her slop to relax sow's bowets, and give har Examine teeth of pigs, and if side tusks are sharp, break of with pincers or clippers. A reader says he cured a sow of
this vice by slowly pouring cold water on this vioe by slowly pouring cold water on
her head, and had kinown others cured in this way. The probability is that the sow may not act so with next litter,
especially if running out on prass before especially if running ourt on grass before
farrowing. It is probable that confarrowing. It is probable that con-
stipation, or it may be a craving of system for earth or grit, accounts for the troulble, or the sharp teeth of pigs pricking her udder may have started it.

## Cossip

The Zenner Disinfectant Co., of Detroit,
Mich., advise us that they have Zenoleum Mich., advise us that they have Zenoleum
now well placed in the drug stores throughout Ontario, so that farmers and stockmen can readily obtain a supply.
Messrs. W. C. Edwards \& Co., Rockland, Ont., near Ottawa, in ordering
change of advertisement of Shorthorns change of advertisement of Shorthorns splendid character of the sires in service in their herd, namely, Marquis of Zenda, bred by Marr, of Uppermill: Village
Champion, bred by Duthie, of $C$ Collynie: Missie Champion, a son of the $\$ 6,000$ Marr-bred cow; Missie 153rd, and Clipper King. One imported bull and Iour superior home-bred bulls are offered for sale and the firm have placed 15 females, im-
ported and hometred, in the joint sale to be held at Hamilton, Ont., on June 28th.
Mr. T. J. Berry, Hensall, Ont., por-
traits of whose imported Florizel and Prior's Hero, appeared in our May 5th issue, writes: "You have made a slight mistake in the age of the Clyde horse, Forizel, in your Gossip
notes. He is six years old this spring notes. He is six years old this spring,
instead of four, as you have it. His card, which I sent you, reads: When three and four years old he had the Argyld tenantry
premium, and this year he thas been sepremium, and this year he has been se-
lected for the Leshmaghow premfum. He has travelled three seasons in the Old
Country, and I brought him here in the Country, and
fall of $1908 .{ }^{\text {. }}$

THE FARMERS ADVOCATE.


1. MILNEF

II ERELEIGE OF UESIBN WORKWANSHIP and QUALTY OF MATERIAL they are unsurpassed: ASK YOUR DEALER FOR THIS KIND. TAKE NO OTHER.

## Calves CARNEFAC

Those who visited Guelph and Winnipeg Fairs last, year will not need to be told what Carnefac will do for calves. This year we offer prizes for all the prizes


Carnefac is Canada's Food Tonic for Canada's Stock.
W. G. Douglas \& Co: : Man.., July 23rd.
W. G. Douglas \& Co.: Doar Sird,-I have used your Carnefac

 this yoar on January 2nd and 21st, 19
respectively. Yours truly,
(Sgd.) A. McBAIN.

## Send

for Booklet,
"Mbout
Carnefac."

## CARNEFAC STOCK FOOD CO., Winnipeg, 65 Front St, E., Toronto

## ELMIRA HAY-MAKING MAGHINERY.



THE SIDE-DELIVERY HAY RAKE and HAY LOADER are the Greatest Time and Labor-saving will repey for their day. They will repay for curing ost is aing the hay property, and in ceving of extra lebor.
substantially built. will last a lifetime. Write for olrculare. Write for olrculare,
prices and terms.

## THE ELMIRA AGRCCLITURLL WORRS CO, LTD, ELIMRA, ONTRRIO.

TRADI TOPICS.
FARM FERTILIZER is advertised in this paper by the old and reliable firm
of W. Freeman Co., Hamilton, Ont., who of W. Freeman Co., Hamilton, Ont., who
have made a study of this subject, and have had experience from which they are in a position to advise farmers and gardeners as to the best fertilizer for any
specific crop. Write them for their cir-

CATTLE SALESMEN.-Maybee \& Wilon, Toronto, live-stock commission dealers at Western Cattle Market and To-Stock-yards, advertise in
this paper. All kinds of cattle are bought and sold on commission, and a specialty is ${ }^{\circ}$ made of farmers
Write them for any information
desired Write them for any information desired Keep sending all the mille to the facbory regarding the markets, and they will $\left\lvert\, \begin{aligned} & \text { but feed the calves this cheaper suboth } \\ & \text { tute. Address Chas. Cowan, London, Ont } \\ & \text { promptly reply. }\end{aligned}\right.$ 隹

In answering any advertisement on this page, kindly mention the FARMER'S ADVOCATE.
prmernons AND ANSWERS． Miscellaneous．

## BOOR ON CORN．

Would you tell me through your paper Whether in Oenade or the United States， I can obtain a book on the subjects of corn and the cultivation and breeding a the same． price $\$ 1.50$ ．Order through this office．

## CONGRETE OR STONE SILO．

We are going to build a silo in one on of our root cellar，building concrete on top of walls．
1．Would common lime do for the con crete，plastered inside with cement，or 2．If lime concretel would hot do， 2．If lime concrete would not do，would ardinary stone wall be as che as good as cement concrete ？J．R．W． Ans．－1．Lime would not make a strong enough wall．Nothing would be as atisfactory as a concrete wall plastered inside．

A NEW PLOM
I Sew in the＂Farmer＇s Advocate＂of Feb．4th，on page 273 ，mention made of would like to get one for a trial，it would like to get one for a trial，if
there are any to be got．If not，some thing to equal the above in quality，as a good plum is a luxury． E．De R．，P．M．
Ans．－Write Prof．F．C．Sears，School some of the nurserymen advertising in some＂Farmer＇s Advocate．＂
the

TWITCH GRASS．
Would you kindly tell me the difference and give a practical way of clearing and give a
Ans．－Agropyrum repens is commonly called couch grass，twitch grass，quack grass，quitch grass，quick grass or wheat grass．It is olaracterized by having from three to eight inches long，zigzag in shape，pointed and channeled，with spiklets altenating at each joint，and
placed flatwise to the stalk．The stalk placed flatwise to the stalk．The stalk
of rye grass resembles that of couch of rye grass resembes that of edge－
grass，but the spikelets are phaced ed
wise on rye grass．As soon as a crop is wise on rye grass．As soon as a crop is
off，plow，harrow and cultivate to shake the roots free of dirt，then rake them to－ gother and burn them．Afterwards fol－ low a similar treatiment to that recom－
mended in our April 21st issue for sow histle．
bokiara or sweet clover．
Is bokhara clover a great yielder of
nectar？Is honey made from that plant nectar Is honey made
as delicious as any？Bees seem to
relish it very much．Although very relish it very much．Although very
hard to exterminate，I intend to sow hard to exterminate，of my property What do you think？

Ans．－Bokhara，or sweet clover，can be
recommended as a first－class honey plant recommended as a first－class honey plant
for waste lands．It grows from six or waste lands．It grows from six
inches to as many feet high，and it is covered with an abundance in most seasons a large supply of nectar which produces honey of good
quality and color．It does not bloom quality and color．It does not bloom first of July of the secord year，and
keeps up a continual bloom until frost kills it．If you desire to test its value， do it on a small scale．When once it
gets possession of the ground，it will gets possession of the ground，it will
tay，if allowed to ripen．When you stay，if allowed to ripen．When you
wish to get rid of it cut after it blooms， wish to geet rict orms，and follow with a hoed crop．Bokhara clover sends its roots down deep into the hardest，driest soils，thus enabling it to withstand
severe drouthe as nu other plant can． severe drouths as nu other plant can．
This pives it great value as a fertilizer． This gives it great value as a fertilizer． too poor for raising crops．It has a and roadsides，which has caused some would recommend you to sow sanfoin tivated instead of bokhara on your cul－
as sanfoin makes an ex－ cellent forder and fertilizer，and from
what I have sen of it，I think it will
Whate more


Condensed advertisements will be inserted insertion．Fach．initial coonts for one word
and figures for two words．Names and ad
ing ane agures tor two words．Names and ad
dresses are couted．onah must alwaye
acoompary tho order for any advertisoment
 pure－bred poultry ard egse for sale will fin
plontr of customers by eging our ad artisin
columns．No advertisement inserted for les colum ns．NO
than 30 cents．
BUFF Orpington egge from imported Ontario an
 B

 London，Ont EIEMEINIIGTON tmaneot BiRRED P．ROCKS exoluively．Mgath $\$ 1.00$ and 81.60 per setting of 18 White Wjandottes and Eivir Orpingtins




 Thaw Snolgrove Poultry Yari Barred hoctis
 Tho Daniols Inculbators
 is the wonder of the age．Perfect ventilation
and operation．We have a $100-\mathrm{egg}$ machine
and
 all the Dominion Government Kxperrmental
Otathons and Collegeo Jut drop appoetal ard
Our new

 198－800 ERtver 8treet，TORONTO．

## Dirt Means Death to Dalry Profits．



Century aneri－ can Cream Sepa－ dairy，all the old dirt－colleoting de vices go back
the ancient age from whence they came． Modern methods of making big
profits demand ab－ pronts demand abs
solute cleanniness
Write for our catalogue．
tells all．

C．RICHARDSON \＆CO．， P．O．Box 1048 ST．MARY＇S，ONT ＂PERKINS＂＂AMERICAN HERBS


Miscellaneous． to tis cows quickly What is the best contrivance for tying Ans，－Stanchions are probably the Ans．－Stanchions are provaby the pushing to of the moving side stanchion， which is caught by a fastener，which
drops behind it；but the stanchions，un－ drops behind it ；but the stanchions，un－
less the patent swinging sort is used，are less the patent ewingtng sort is usod，are
otilf and confining to the cow．Wo are not aware that the
s sold in Canada．
bad wesd－THRUSE．
1．I have a bad weed on my farm，
known here as wild jack．Could you give me any information as to how
would the the best way to destroy it？ Will heqting the manure kill the seeds of 2．My horse has thrush．What is the best cure for it？Have been using salt and lime with poor results．Will his
mate take it from him？ Ans．－1．Send sample for identifica－ ion．Cleanse th foot thoroughly，and
2． keep in，a clean thall．Wash with oastile oap and warm seft water ；dry well，and apply a lotion，consisting of sulphat．
inc，six drams，in a pint of water． pasturing alsike－planting cedars． 1．Would it be advisable to pasture 1．sike clover intended for seed？
2．I would like to know what time is best to plant cedar for hedge．W．S．
Ans．－1．If the soil is low and very Ans．－1．the season one that produces rank growth，a better crop of seed
vould be had by pasturing until abbout the middle of June，or，better still，cut
with the mower about this time，as it with the mower about this time，as it
gives all the plants，an even start for
the second growth．In an ordinary growing season，on the average soil， alsike will not grow long enough th
second crop to make it easily handled． 2．About May 24th．

How long should seed poatatoes be cut
efore they are planted？Which are the before they are planted？Which are the arst potatoes to plant，large ones cut，
or medium ones left whole？N．S．P． Ans．－The sooner potatoes are planted
after being cut，the better．In plants， there is a tendency for like to produce
ike．If large potatoes are planted，it like．If large potatoes are planted，it
is protbable large tubers will be produced； put large－sized potatoes are not always

607 West Main St．，CRAWFORDSVILLE，IND．

the largest yielders．For a big crop
and tubers of a good size，we would recommend average－sized potatoes cut in
two or three pieces，having not less than two eyes to the piece．If left for a few days after eutting，land plaster should be
sprinkled on them，and the pile turned
over and spread out thin to prevent bleeding and heating．

## Imp．Clydesdales 湔Shorthorns



＂IIIMERIAL＂PUMPIIIG WINDMIILL Outat which won the CHAMPTONBHIP OF




CUT OF

星鼻事



BAWDEN \＆McDONBLL Exeter，Ont．

Clydesiale， Shire and HacknoyHorses


$\longrightarrow$ Exeter，Ont．



. CHAMPION STUD.


INTEBNATIONAL WINNERE.
SHIRE, PERCHERON, BELGIAN, SUFFOLK AND HACKNEY STALLIONS.

Seven importations within the past twelve months. Weven select prizewinning Shire stallions than all our competitors. Conqueror, for sale.

We have opened a
BRANOH STABLE at LONDON, ONT., for the convenience of our Canadian customers.
Will charge no more for our first-class stallions than others are Write for new catalogue.

## Truman's Pioneer Stud Farm

Adaress H. W. TRUMAN,<br>BUSHNELL, ILL.

## A New Record

For draft geldings of any breed was made in the Chicago Auction Market on March 23rd last, when
a high-grade Clydesdale Gelding was sold for $\$ 665$ to Messrs. Armour \& Co
 in America, and are now offering extraordinary bargains in this breed, and also in PERCHERONS,
SHIRES, SUFFOLKS, HACKNEYS and GERMAN COACHERS.
ALEX. GALBRAITH \& SON, JANESVILLE, WIS. BRANDON, MAN. If your district is not supplied with a good stallion, write at
once to MR. JAMIES SMITH, Manager Manitoba Branch.

Adverise in the Farmer's Advocate,


OURSTIONS AND ANSWERS. Miscellaneous.
removiva warts. Is blue vitriol good to remove warts
from a horse's nose? Ans.-It is not recommended for that purpose. Veterinarians advise, instead,
glacial-acetic acid, applied once daily. glacial - acetic acid, applied once daily.
Many little warts will disappear without Many little
treatment.
RIGHT TO PROCEEDS OF CHATTELS. A has a chattel mortgage on B's im plements.
auctioneer in favor of A for full to the ${ }^{\text {C }}$ buys some of the chattels, and does not settle at the close of sale, and when asked to settle with A, says B owes him a bill for nearly the amount, and will
not settle with A. Can A collect it ?
Ans.-We think so
SHEEP-shearinc Machmys. Do you linow of anything better for
shearing sheep than the old-fashionied sheep shears? If so, would you please
let me know?
L. E. H. Ans.-The sheep-shearing machine man
ufactured by the Chicago Flexible Shat Co., 110 La Salle Avenue, Fhice Shaft is used by some Canadian eheefp breeders, who have given flattering testimonials of its working and efficiency. It is simila to the horse-clipping machine, and re
quires one man to turn the crank end quires one man to turn the
another to hold the clipper.
payng for stalwon
A has a mare, and he promised to let
me have the colt, if I paid the service of me have the colt, if I paid the service of
the horse, and gave him so much. asked him if I am sure to get it, and
he says, "Yes, there is nobody else." I he says, "Yes, there is nobody else."
find out afterwards that there is a chat tel mortgage against her and all increase. Can they make me pay for th use of the stallion? READER. Ans.-Yes, if you contracted with the
proprietor of the stallion, direct or proprietor of the stallion,
through A; otherwise not.
sale of hogs-breach of contract. 1. If A sells ten hogs to B, B paying
five dollars down; C offers A more money than B , so A resells the hogs to C , can $\mathrm{B}^{\text {collect damages from } \mathbf{A} \text {, }}$ 2. A hires B at $\$ 20$ per month for
eight months. $\quad$ B comes and works two days and leaves. There was just a verbal agreement. Can A do anything
with B? Ans.- 1 . He is entitled to do so.
2. He may sue him for damages. PRINGE ATTRACTIVE. A horse cat the World's Fair ive thok go, Do you remember if his photo was in the "Advocate"? If so, and you have the number, kindly send it tor me.
G. B. M. Ans.-Prince Attractive 7195, Am. 0 . S. B., was shown at the Columbian Ex-
hibbition by Col. Robt. Holloway, and won first prize in two-yeat-old class. He was sired by Cedric (1087), by Prince of Wales (673), dam Belle Tarbreoch has appeared in the "Farmer's Advo-
cate." DIFETcmer cutrowni
During the winter I had a dimelulty in churning. When I let the churn stand the butter would rise to the top, but
when I tried to gather it, it would all separate again. Was the cream too warm, or too cold ?
Ans.-The diffculty is probebly caused by two things: First, the cream is too thin, that is too much skim milk in it, and it is probably at too low a tempera
ture for churning that particular form of cream. If subscritber will obtain a cream richer, either by adjusting the outlets of the separator, it he uses one, or by allowing it to stand for a longer
time before taking of the cream, being careful to remove as ittle skim milk as possible, and will churn at a tomperature of 68 degrees, possithly 70 degrees will be necessary, Ythink he will have no diffculty in getting the butter to gather
properly. If a portion of the buttermilk were drawn after the butter breaks he would find that the butter would gather, even in this thin cream. Ho: ever, waste of butter in the buttermilk, and it is preferable to have the cream richer and the temperature right before com-
mencing the churning. H. H. DEAN.
"THE REPOSITORY"
WaLTER hIRLLIND SIITH, PTOF.


Cor, Silmcoe and Ilelson Sts, Tobolito. Hortion Sales of Hormas, Carrigen Buggea Speoia aoted. Consignments solioiten. Correspond This is the best market in Canada for either
SAVES TROUBLE

IT SAVES TROUBLE ABSORBINE
 or strain. This rememy
is rapie to cure, pleasin
to une and horse soon
ree
te ready for worlk, No
ter, no hair gone. ABSORBINE

 GYTilar, sows ec 00. FONTHILL STOCK FRRII 50
SHIRE
HoRSES Mares ciouse from.

MORRIS \& WELLMGTOM,
FRonthill.
ortanio. Clydestalas $\sim$ lhackroys We handle only the tive breeds. We have on hand more good young trallions and mares than over before. Large Importation Just arived. Oorrespondence and inspection invited. from only ons ym Graham Bros., Claromonit, Ont.


FOR SALE: olymodal etiluon


 June 11 fland are sald to be the bes
lot ever pipprted by the Messrs. Flatt.

The school was celebrating Lincoln' birthday, and the principal had invited pupils. He was one who had known the
martyr President in his earlier life, and he talked freely of the struggles, the integrity and the high qualities Atraham Lincoln, and especially sympathy with and fondness fo of his young hearers might miss the force of his important point, he asked: people
slowly
childish a small hand was raised and a childish treble answered:
"It's folks that ain't married."

Sir Archibald Geikie has just publishod his Reminiscences-a volume full of
stories about the Scots. Here are some of them:
" Weel, Tam, ere ye peun hame wit your wark?"' was the invariable greetquaintance, when he met him carrying bundle. Once the tailor saw the doctor doctor, are ye gaun hame wi' your wark ${ }^{2} \cdot{ }^{\prime \prime}$ are ye he asked.
Descanting on the changes in life and
work brought by time, -a farmer sald work brought by time, a farmer said: my father hadna muckle sense, but my sons look on mysel', as a born, eediot." who had taken his seat in one of the mourning coaches, excited the curiosity o at lasee other oc asked him
"TV'Il' be a brither o the corp?"
"No, I'm no a brither o' the corp."

$$
\begin{aligned}
& \text { Weel, then, ye'll } \\
& \text { "N No, I'm no that } \\
& \text { "T Then ye'll be at }
\end{aligned}
$$

"To, I'm no that !"
"Then yo'll be at least a frien' o' the
corp?" "No, that either. To tell the truth, r've no been weel mysel', and as my ercise, T thought this wad be the cheapest way to tak' it."
He tells, for instance, of the Highlander who had been to Glasgow and seen
that wonderful invention, the telegraph. " What is it like?" his neighbor askiked in Oban," said Jack," " and it squeaked in Tombermory, that wad be a telograph. Then there is the story of the black-
smith who said to his minister: " Ah, sir, if ye was ance richt drunk,

Hampshire Down Sheep. GREAT
ENGLISH PEDIGREE SALES,
July, August \& Sept., 1904

50,000 Purovirod ETres, Lambe, Rams, Indididig both rams and oive from tho best

$\bigcirc \bigcirc$



## ABORTION Leflutum <br> Tollogg's Condition Powder



[il. W. lollogg Company, Dept. Y, St. Paul, Miln.
Thlat ount an anom 포


cossip
Senator Depew, while acting as preale
dent of the New Yorla Central road, was dent of the for ars centrail roas, was pproached for a pass to syracuse the same pitiful tale of a mother's Illmess and the strong desire of the applicant to
see ther onoe again. Through his sympaoe her onoe again. Through his sympa
thetic nature, he had ylelded each year, but upon the last occasion with the ad-
monition that the application should nover be renewed. Much to his suring the following year, he found the applicant, with identically the same recitel "How dare you come here agalin with
hat old story?" he excliaimed. "Why, Mr. Depew," blandly replied the applicant, -I thought that you wer fond of old stories."
The cloud fell from Chauncey's fave,
smile overspread his features, which remained until the pass was stgned and handed over to the applicant.

Back in the 70 's. When Dewey had com-
mand of a ship of the old Hartlord type, Visitors lying in the harbor at Genoa Visitors were allowed on board at al
times except Sunday morning, when intimes except Sunday One Sunday a well-
spection took place. One
known American millionaire steamed out with a party of friends in his private yacht and succeeded in getting on deck,
where he was met by Captain Dewey, who asked him to leave. Mr. Money remonstrated, and finally exasperated by
the cool firmness of the officer, he burs A. No. sir, I won't leave. I am an
American citizen, and have a perfect right on this vessel. I pay taxes in in
America, I am on my own property America, I am on my own property
part of this ship belongs to me!'"
Celmly Dewey Calmly Dewey opened his penknife,
stooped down, split off a piece of the Hooring. Handing it to the
ensed American citizen, he replied: "There's about what yo,
there's the ladder-now git."
 York lawyer receiving a severe reprimand
rom a witness whom he was trying to browbeat. It was an important issue,

collowing was the dialogue that ensued
" How old are you
" Seventy-two."
"Your memory, of course, is not as
cillient as it was twenty years ago, it
"I do not know but it is."
" State scme circumstance which oc
State scme circumstance which oc
curred, say, twelve years ago, and we
shall see." "Well, sir, about twelve years ago you
studied in Judge B-'s cffice, did you
The lawyer said, "Yes."
oming into my remember your father Mr. D-, my son is to be examined lo-morrow, and I wish you would lend
me twenty dollars to buy him a suit Aothes.' I remember also, sir, that
form that day to this the money ha It did.

People who take things literally are
apt to tread on other people's toes, says Cit-Bits. The man who walked in where he saw a sign "walk in," and who was
ordered out, was a literal man, and so shop and demanded 40 shillings because there was a placard in the window tha
read:
" Look at this watch for 40 shillings." "I looked at it," said he, " and now want $£ 2$."
heard is that of the countryman who
a sign:
". Please ring the bell for the car
After reflecting for a few minutes, he walked up and gave the bell such a pull
that it nearly came out by the roots. In a few minutes an angry-faced man "Are you the caretaker?" asked the "Yes; what do you want?"
"I saw that notice, so I rang the bell,
and now I want to know why you can't and now I want to know why you can't
ring the bell yourself?"


Estate of John Battle THOROLD, ONT. WHOLESALT IN CAR LOTS ONLY
Aborden-Angus

## GRADES

mang topod the hidheot marketh to boor in chrough good times and oull times. Now the time to beoure real good ones by using
pare-bred sires. We have grand lot of young
bulls ooming on, eired by Canade's ohampion ulle coming on, sired by Canade's ohampios
Aberdeon-Angua bull, Prince of Burton. Come
Onr best bull Aberdeon-Angus bull, Prince of Burton. Come
and male Eour ealootion early, Our best bull
andr last yoar was ordered in June, JAMES BOWMAM, ELm PAMKLELPH.


THE MAPLES FARMMEREFORDE






In answering any advertisement on this page, kindly mention the FARMER'S ADVOCATE.

MAY 12, 1904
QUESTIONS AND ANSWERS.
Veterinary.
sprans
Mare worked all winter. She stood
ve or six days in stable, and when ive or six days in stable, and whe
taken out, the right front foot gave away. She had no strength in the fet lock, and it swelled. It is still swollen
lo. R.
and weak. and weak.
Ans.-It is a sprain of some of the
Hgaments of the Jofnt. Give her abso ligaments of the Joint. Give her abso-
ute rest ; Eathe the joint well with cold water three times daily; then rub well with camphorated liniment, and in an hour apply a bandage moderately tight
Keep this treatment up until she re Koep

LUMP JAW.
Heifer has quite large lump under
throat, quite close to the jawbone but the bone does not appear to be involved It is quite sore, and broke the other day
and is discharging a little puss. S. E. and is discharging a ctlo puss. S. Ans.-This is an actinomycotic tumor
a case of lump jaw, in whioh bone is no involved. The best treatment is to have
the tumor carefully dissected out; the the tumor carefully dissected out; the
wound stitched, and then treat with a wound stitched, and then treat with a five-per-cent. Solution or carbolio acia, int heifer, internally, one dram iodide of potash three times daily, and gradually increase the dose
until her appetite fails, she refuses water, or runs tears from her eyes and salliv
from her mouth. When these symptom or any of them appear, cease giving the potash.
discolored urine

1. What is the best remedy for kidney
disorder in horses ? Urine is discolored. 2. Mare foaled April 24th. Mare and colt doing well. When may I put th
Ans.-1. The treatment for diseases o the kidneys must, of course, depend upon
the disease. Many diseases of these the disease. Many diseases of these
organs cause-discoloration of the urine.
I presume you refer to that condition in organs cause-discoloration of the urine
I presume you refer to that condtion in
which there is a partial inactivity of the kidneys. and the urine becomes somewhat
thick and milky in appearance. If this thick and milky in appearance. If this
is the case, give one ounce nitrate of
potash once daily for two doses. If this is not the condition, give particulars and
will prescribe. 1 will prescribe.
2. The mare 2. The mare may, if necessary, go to
work when the foal is three weeks old but the longer rest you can give her, the
better for both.
nervous irritablity
3. Three-year-old colt jerks his head;
in fact, his whole body appears to be
affected. He bohs his head downwards affected. He bobs his head
sharply, and his bowels appear to be con-
vulsed at the same time. He tires easily, and is then worse.
4. Cow calved January 2. Cow calved January 1st. She has shown constant heat for
will not stand for service.
Ans.-1. Cases of this kind are occa-
sionally met with, and in some cases are incurable. Sometimes the apparently nervous actions are due to irritation,
caused by the bridle on the poll, or too
long hairs in the ears. In other cases, there is actual nervous irritability. Chip
the foretop off and mane as far back as the poll strap reaches; trim the
long hairs out of ears. Purge with elght long hairs out of ears.
drams aloes and two drams ginger.
Follow up with one ounce bromide of potassium twice daily. 2. Perpetual heat denotes disease o
the ovaries, for which nothing can b the ovaries, for which nothing can be
done. I would advise you to hold her
for service, and, if she does not conceive, for service, and, if she does not conceive,
and constant heat continues, feed her for the block.


When Danger Signats
your liver out of order, constipation, or your stomach not distress which, unheeded, will lead to trouble-it is time to take
Beecham's Pills
Sold Everywhere, In boxes 25 cente
FEED IS SCARCE
 Worthington's Camallan Stock Tonlc, -LE. BOX, 500. So-Le. eack, si Manufaotured only by the Worthington Drug
Co, Agrioultural Chemiot, Guelph, Ont.
 For sale: Young bulls from six to sixteen
montha two sirod by Red Rover (imp, in
dam) and one sired by Village Champion
 $\mathrm{N}_{0} \mathrm{~S}_{\text {, ROBERTBON, o ARNPRIOR }}$ HIGH-OLA88 8HORTHOANB,

 Shorthoris \& Scotch Collies FOR 8AL.E. A.

 FOR SALE STOOK BULL


 , or write for prices.
Liviag Springs, Ont., Fergus Station. SOOTOH SHORTHORNS. 7 bulls, 9 to 16 months; cows and heifors in DAVID Humsie, Eithel, Ont
Prospect Iigh-class SIDRTHORNS
 J. R. Moonchuli e sonv. Ions star, Oont. curimins, Eortalilres and Lolcestors
 CHAC anofl. ALma. Ontanio. J. WATT \& SON,

. O., Selem, Onti, Blora Stationa, G.T.R. \& ©. P. B. B. EIEOETHEORIN

 SHOTTHORIIS and CLYOESDALES
 Pair heavy drett in lin fren old.
J. S. McARTHUR Pine Grove Stoek Farm. GOBLE'S, ONT. BARREN COW CURE



RAISE YOUR CALVES cheaply and successfully on
Blatchford's Calf Meal AND SELL. THE MILK.
Free Pemphlet $=-1$ How to

COSSIP. -
Aberdeen-Angus bulls are offered in his Change of advertisement. by Mr. James
Bowman, Guelph, Ont., whose herd of this grand heef breed ranks among the best in America. Those interested will
do well to look up the advertisement, do well to look up the advertisement,
and write, or call on Mr. Bowman.

Mr. John Russell, barrister, of Winnipeg, brother of Messrs. J. Lso W. Russell,
Richmond Hill, Ont., died suddemly of Richmond Hill, Ont., died suddenly of
heart failure, on May 2nd, end was
buried at Markham, May bin. Mr. Russell was manager of the standard Trust Company, an alderman of the city,
chairman of the Civic Finance Committee chairman of the Civic Finance Committee
and ex-president of the Winnipeg Board
of Trade. Mr. Ruseell was a widower. his wife, a daughter of the late Geo.
Miller, of Marham, having died Miller, of Marham, having died some
years. ago Ha is survived by one
Haughter, Miss Lena aughter, Miss Lena, living with her
uncle and aunt, Mr. and Mrs. John Isaac, Markham.


SHORTHORIS AIIT ELYOESOALES
 ํx
MLEX, ISMC, - Golvirs P. D. ant Stittion First-class Shurthorns-Young oovil and
 High-elass Siorthorns-Two balle, reody for





 W. G. PITYIT \& SoNS Importors and Breeders of

## Scotch Shorthomis



 cholice ehow animals will he ofrered. Tol BHosthoran Amp simotinise
 Good Bulls! Cheap Bulls!
One red, tan months old; one :

A. D. HeGugan, Rodneys Ont.


TROUT CREEK SHORTHORNS

## SPECIAL OFFERING

Two imp. bulls with superior Also a few imported Scotch heifers and home-bred bulls and heifers. Send for Oatalogue.
JIMES SMITH, W. D. FLATT,
om Milanager. Hamillon, ont

## 

W. B. Watt's Sonns netomor SHORTHORIIS and CLYDESDALES
Don't mise the ohanaon to get a, argand oow or heifier, in calk to the 81,200 sootith Beau
 Elora Sta., G.T.R.\& C.P.R. Salem² Post and Tel. Office. 'Phone connection.

## Shorthorn Bulls <br> All pure sootoh, two imp. in dam, ? from imp sire and iro





 postays will be returned with price).
HADE, Bec's, TORONTO, ONT Scotch Shorthoras and Berkshire Swine AT VALLEY HOME GTOCK FARM.

 cots due to tarrow in one month' it ime . Statione


SHORTHORNS, ${ }^{8}$ young bulle, 11 heiter


TRADE TOPICS.
WALNUT TREES grown from nuts planted two years ago last autumn are A. Shaw, Walkerton, who has 2,000 of these, good, strongy plants, ready for trans planting.
FOR TOURISTS.-A profusely illustrated booklet, of 40 pages, descriptive
of St. Johin and New Brunswick, containing maps and useful information for the traveller, has been recelved from the Secretary of the New Brunswick Tourist
Association at St. John, N. B., Mrs. R. Association at st. John, N. B., Mrs. R.
E. Olive, from whom coples can be obE. Olive, fr
tained free.

INTERNATIONAL STOCK FOOD,-M Savage, of the International Stock Food
Co., informs us that he has been obliged so add sixty new typewriters to his In all two hince the first of this year.
In andred and twenty in all two hundred and twenty-five
people are now engaged in the office of the International Stock Food Minneapolis, Minn.
BINDER TWINE.-Blue Ribbon and Red Cap are names too familiar with
the binder twine trade to need an intro duction to the public. They stand for full length, strength of fibra, and satis faction penerally. These and the Tiger Golden Crown, Standard and Sisal are
made by the Consumers' Cordage Co., of made by the Consumers Cordage Co., o
Montreal. To give satisfaction is the oblect of this company. There may be
other twines on the market. selling for less money per pound, but the above mentioned brands have strength and
length combined to suit the purpose for which they are made.

UNLOADING APPARATUS.-If there is one thing more than another atout
farm work that has added to the ease and pleasure of harvesting, it is the inthe small cost for which these appliances
then can be placed in a barn by M. T.
Buchanan, of Ingersoll, there is no ca casion for the strenuous labor incident years ago. Remember the of a few
yeake, and notice the advertisement on another page.
THE SUCCESS OF THE ROOT CROP of seed sown as upon any and quality condition. Gaps in the row, and weak screggy plants are to be avoided. When than poor, why not patronize the old Hamilton, Ont. who advertise in Co. issue a selected line of mangel seeds. hay rakes and hay loaders:The machines that will claim most at-
tention during the next few weeks are the side-delivery hay rakes and hay these machines are upon the market, among the lead being those made at the
Elmira Agricultural Works, Elmira, Ont This company gives particular attention
to the manufacture of these implements, and are meeting with a large degree of
success in supplying the community with haying tools agricultural

## REfused to SERVE.

Frenchman went to a brother memWhat does a polar bear him
"What does a polar bear do? Wh
sits on the ice." sits on the ice."
"Sits on zee ice?" Yes," said the brether: " there is nothing else to sit on."
". Vell, vat he do. too?"
". What does he also do "What " Eat fish-sits on zee ice and eats fish Then You don't accept? What do you mean?"
". Oh, was appointed
". Did you go into that speculation you Were talking to me about?" "Yes."
"What do you expect to realize prospe

()

High
class Shorthorn Rulls For
Salo 3 imported bulls.
4 bulls from imp.o 4 bulls from imp.
The others fors and by imp. bulls. $\left.21 \begin{array}{c}\text { impotch bullows and } \\ 9 \text { imp. animals. } \\ 9\end{array}\right)$

ARTHUR JOHISTON, Greenmood, Ontarlo
 Young bulls and heifers from imported and rams and बwes from imported sire. FAVES TOLTUN \& BOW, Walkerton. On sunnysilde JANES CIBB, Brookedale, Breeder of high-class 8HORTHORN OMT
$\qquad$
JOHN GARDHOUSE \& SONS Scotec and Scotel-topopl Shorthorns, Shlra Horses, Llicoll aill Lelcester Shiop.


 1 am offering for the next month, at exceptionally
low prioes, overal young bulle, helfers and bred
hall

 Shorthorn Cattle and Lincoln Sheon Scotch Heifers for sale: Clippers, Mise Ramsdens, Maids, bred to imported Governor-
General $=28865=$, and imported Proud Gitt General $=28865=$, and imported Prond Gift
(84121). They have both breeding and individual merit. GIBsON, Denfield, Ontario Shorthorns, Clydesdales, Yorkshires


Cobourg, A. Ent., HosiKIN, P. and station.
QHENRTHORNE. Importer and breeder of oholoe Shorthorns.
Soottish Hero 156726 at the head of herd. omm JA8. A. CRERAR, Shakespeare, Ont BELL BROS., Codar 8tock Farm, Brad-

T. DOUCLAS \& SONS, Bremers Shorthorns and Clydesidalos 14 Shorthorns to seleot from. Present offering:
 age, and cows and heifferf of ail ages. Alog
otallion and two brood mareo.
Farm 1 mollo north of town.

## cossip.

Hereford cattle are advertised for sale n another page in this issue by Mr. R. . Mackie, of Oshawa, Ont., who has rad an extendod experience with this breed, and has frequently aotod as judge
of Herefords at leading shows in Ontario. Partes looking for young bulls,
cows or heifers of this breed tock should correspond with Mr. Mackie or call on him at Oshawa, some 30 miles ast of Toronto.

Speaking at the Welshmen's dinnner in
ondon the other day, Lord Rosebery tolod the following anecotord of Mosebery
stone: Gladstone: I remember, many years slince, Wales. Mr. Gladstone was then Prin Minister, and he had on his mind many therefore, not surprised to see him was, ing peculiarly harassed. I said to him,
"Y You look a good doal
 Gladstone." " "Yein," he replied, ""

am." "Well," I said, ". of course any Egypt, there is Ireland,"" and I forge what else-but I remember those tw questions, each of which had then a | tained colossal proportions. He at onc |
| :--- |
| waived me maside. "It is not that," $h$ | replied. I am har

ment with the task speaking bishop for a Welsh see.
(Laughtery)
Now,
I do not want you to was indilferent to the othr. Gladistone tions which weighed upon him great ques were part of his daily bread, and the sudden appearance of this phantom of ing a Welsh bishop for a one which he felt was the last burden pon the camel's tack. (Laughter.)

The Dumnaglas Stock Farm, at Ux
bridge, Ont., owned by Lieut.-Co McGillivray and managed by Mr.
Silverside, is becoming noted as a breed ing ground for Shorthorns, there being
now in the herd nearly 70 , and Scotch torpped, headed by Scotland's
Fame (imported by ham) and Lord Gy John Isaac, MarkDuchess of Gord Gloster, a Cruickshank
Abbotsford breeding and confory buls are of choice Fame weighing conformation, Scotland's
dinary conditi 2,500 lbs. in dinary condition. There are a fow
young bulls on hand ready for work that
woun wing no no on hand ready for work that
who give good roturns to
wets them. has several imported cows co of very
fashionable breeding that were high prices, thating are doing were bought at
owner one owner, one of them, a Noplaperil, hav hav
ing to. her credit a nice pair of twi
calves. represented here, among themilios a Miss Ramsdens, Clameng them being th
Cruickshank Goapareils, an Cruickshank Glosters. Col. Mccivilivray
contemplates
holding an auction contemplates holding an
some time during the year of high quality, of imported. McGilliverset sheen known, having been one of the is prinoipal
and most successful exhibitors and most successful exhibitors in Canade
and at the largest exhibitions in the U. S. for several years, including the
 Chicago. He also expects to exnitide at at
the pricipil Canadian exhibitions and at
St. Iowis. St. Louis, and judging exrom the and at
ance of his foar prers ome of the also expects to ime his
port
lich will furthe best that vhich will further strengthen the can buality
I his flock and incease his inning.


Are a sure and permanent cure for all

## BACKACHD

If the Arst sign of Kidney Trouble. Don't neglect it! Chect it in time ! Cure your Backache by taking
DOAPS KIDNEY PLLLS. PINE GROVE STOCK FARM.





 MAPLE LODGE STOCK FARII, I854
Shorthormbibulisand lifeifers
woll anmer sanarifer Leicesters.

 SHORTHORNS

Some extra good young JoHir olaviow, Mranagor.
H. OARGILL oancilla - oln somo

 FITZGERALD BROS. , Mount St, Lunls, Oint.
 and Bethsilres.
 MANITOULIN SHORTHORNS

 sooloh yrougig bullo and 10 hellern of the parad






## COSStP.

 Snelgrove Poultry Yards, W. J. Campbell, Snelgrove, Omt., proprietor vertises egrs for hatching propritor, ad-
leoted flock of Barred Prom his so
 by the introduction of prizewinning stock
from year to

Mr. Richard Gibson, Delaware, ont. recently returned from a meeting of the terrationel Live-stock Show Association,
reports the reports that all breeds of sheepp will be be
recognized recognized accoruing to comperition.
There must be at least theo focks represented, all bona-fide or moperate
locks, to get a full
 tries, two prizes may be awardod: three prizes, where three or more flocks com-
pete.
what Excuse me, sir, but can you tell me what railroad runs through Umpsquea-
magoggochuck?
there, and besides many railways ove
ave been torn up during the the tratka
War?? There isn't any war there, it
There's no Japanese and-".
squeamagogeochuck to vist to go to Ump sister."
The
Rosie,
importod
owned
Guernsey cy cow, Heyes Masse, owned ty Mr. F. L. Ames,
for a cowts, has made a year,
record butter production in the Advancod Regio April, 1903, given within the yoar, from 14.683 1bs. milk, with an averago teat of 4.92 per cent. tat; highost teat, 5.95, in butternat. ${ }^{2}$ and containing 714.31 13e. calves March 28th, 1903, and compentwico
her rechen statring her record, she becameme sick attor
fell of of considerably rallied quickly, and and in gave 60 yiteld, but
Hos. mill
daily for some daily for some time.

Mr. Israel Groff, Alma, Ont., reports the following reoent sales of shorthorns
from his herd: To w. D. Flote ton, the imported cow, Olive Wenlock ond, and the two-year-old heifer, Duchoss Yattan, ex-warden, Wellininton Coul owe
yearling bull ; to Jonathen yearling bull: to Jonathan s. Snyder,
Waterloo, two-year-old heifer, Eyther Maid, and a beautiful heifer calt, by Victor's Roan Duke; to E. L. Davis, Davisburg, Mich., Crimson Knight, 11
months b:ll Calf, by Rondil months bull calf, by Royal Hero. This
calf is full brother first-prize bull call at Toronto Hera, 1902 Berkshire sow, Matchless Queon, to same
buyer. Mr twelve-months-old bull has an extra good Royal Hero, and from a stamforid dam; granddaughter of Young Abbotsford, the
World's Fair champion

Mark Twain was the man being spoken "Ever hear of his trick with a book
clerk, wi no he was a publisher ?" one.
discount Ju $_{n} \begin{aligned} & \text { know, the trade gives } \\ & \text { purche }\end{aligned}$ authors, 11 nds of the to publehers
all that.
0 ic doy
ane a store windor: and wanted it. . He in ${ }^{\text {cored. }}$ 'How much is that book?' he aaked
". 'well,' said he, when he received an anietor, I expect the usual discount. .. The clerk told him he could have it publisher,'s discount.' ${ }^{\text {said }}$,I expect the "The clerk said this also would be ". And the
discount,' went on
Twain rattled of the thescent. counts to which as author, friend dis other things, he nothing of several finished by saying: was entitled, averal ". 'And now, what is the price I am to -The clerk figured.


THE MOST NUTRITIOUS.

## EPPSS COCOA

An admirable food, with an fitted to build up and maintaint robust health, and to resist in $t \mathrm{lb}$. tins, labelled. sita PPS \& Co Chemists, London, mingiand

## EPPS's cocoa CIVINC STRENGTH \& VICOUR Life  and writo to day to n. 日tato wht you wan Ailgolale Farie llolstelis Bull and hoitor  En wh whe vile Pe. O, ontorio

## Holstein Bull Calves

 Sirea by Boryl Wayne Paul Conorida whise and twoyourold bull for eall git buli oilve
 Brookbańk Holsteins



 2 fiverside Holsteins
 Ilatt Richarlson \& Son, calodoniar.o. SPECILL OFFER Buch bic oatvis oit of

 FII SMLE- 35 HOLSTEII SPRIIM CILVES




 incolwook AYRSHIRES



 "Mather Lea" Ayrshires, Depo.militing
 Auoh enbratit (imm.) mot hhe hap of Neatoleono IYRSUIRES om DANVIKLE, gu holters of an bulle, cominige ono someartra fing
 DAVID LEITCH, Conviail, AYRSHIRE CATTLE. calves ano choob bulls At for sorvioe, and buil
 For Sale-4 yrahtive, allages anid oerse



 On Romae forme. imsimers the vonsume rives

YORKBHIME
 bine BuLh, it for gerviog \%hing AYBarbim pow ontaloous,
J. GO OIU SU, Woodrofto D. and S. Farm, ottawe.

MPORTED ANO MOME-BND $=$ A Ihe average buttorfat toest of this herd is
 Roll. Inaler \& sons, laxillo, ont pran one wille trom Mraxille station on C.A.R. Homeeroft Faine High-olass, Aymhire for mle at reamonable pricon, Mor partioulara write
To J. P. Parspas E Sons, Baniston Que. STockwood AYRsMrass are bred for aive, yenty end pront; trom Mop, nid homit ve, Yount

3 Ajpilise Bills obio yenr ola, at for servio, ath Kribition. Fig 10 any age shropahire sbeep,
 B UNNYBIDE AYRSHIREB. hav for sele it youps bole, cired by the Panh
 AYRSHIRE HERD-HEADER
 both individnally and as a sire. Alves,
three eaarings and anmber on
inoluding three last Augustbulls. W. W, BALLANTYNE, stmatFo

Penmantisunapruin es and Sindit
 HUOH PUAM, WHITEVALE, ONT.

## Holvall Manor Farm

sHROPGHIRRES FOR sALEE.


Dorset Forn Sheep


Leman momilimy was uble, ontario
 SHROPSHIRES
 tooik Augut dilvery. Wrie tor pricoe W. 8. CARPENTER, PMOP.: ONTARIO

(20
FARHHAM OXFORDS

 Camae ar reseonabie proos.
HENTY ARKELL HENAY ARKELL \& SON

HILLCREST LARGE ENGLISH BERKSHIRES



Associations.

 TAMWORTHS - HOLSTEINS
 - bingreal hoskin. Grarton Bta, E.2.8. The Gully P. O. 6LEMHOLI HERD OF TAMWORTHS

 Nowonatie Tammorths \& Slorthorns Wo havo for qulak enlo. a lot of oholoe Boors and





 WIL HOLE LODEE ERRKSMIRES







 II. GEOREE E, SOIS, Grampon P. D., Out. ENCLISH BERKSHIRES, Por Balo: Young boars
of Bacon-type. Onoloe
young pigb:
 JOEN RAOMY, JT.. - Lemnoxville. Que

 Importer and
Breeder of
Chester Wilte Suline Pigs shipped not alkin
to each other. For
rite price and particulare, write Yorkshires, Collies and Poulit'j


Imponted and OAMADIAN-ERED
YORKS H\|RES.
sowr bred to farrow March and Aprill to imp. ahow
 H. J, DAVIS, Tmportier and Breeder of WOODSTOOK. ONT. LARGE ENGLISH YORKSHIRE $\begin{gathered}\text { som, direct in im } \\ \text { sim }\end{gathered}$
 for servioe, same breeding ne sown ; boars and sowk
three and four monthe old from imported otocks,
gairs not alkin. Write pairs not alin. A. RUSSELL, FOR SALE - Ohio Improved Cheoter Whitoes the tared herd in angend st young oows in farrow ; ohotot young pige, six woels, to six monthe old ; pairs not
 a $\begin{aligned} & \text { aldn } \\ & \text { delive } \\ & \text { de }\end{aligned}$

## cossip.

A clergyman, having performed the marriage ceremony for a couple, under but being in doubt as to the dey of the month, he asked :
month, he asked:
"This is the 9 th , is it not?"
Why: parson," sald the blushing
Why. parson, all my marrying, and fou ought to rememter that this is only you ought

At the Spring Show of the Royal Dubin Society, held at Ball's Bridge, April
20th to 24th, the entries of Shorthorns 20th to 24th, the entries of Shorthoras
numbered 458 ; Herefords, 124 ; Aberdeennumbered 458 ; Herefords,
Angus. 186 . Mr. J. Deane Willis, of Bapton Manor, Wiltoshire; judged the Shorthorns. The champlonehip and Chaloner plate for best bull of the inved
went to Mr. Robt. Taylor, Pitlivie, went to Mr. Robt roan four-year-old,
Carnoustie, for the rer Collynie Conqueror ( 78609 ), bred toy Mr.
Duthie Duthie, and sired on the Leinster cup for best group of Shorthorns,
Conqueror and three females.

The Fairview herd of Shorthorns and Aock of Shropshires, owned by Mr. John Campbell, of Woodville, Ont.the notice reyuires being brought betore this time; but
of "Advocate " readers at the as our field man recently made a short call, when passing through that section,
it is only just that we report things as we find them. We found 90 head of Shropshires, with their summer gaib on
they having just lafed off their winter olothing a feu days dgo. To say that
they looked woll would be putting it they looked well would be putting it
mildy, of they are the outcome of years mildyly, they \& are the outcome of years
of caredhl byinad brteding. A hlgherof careral thetrab a combined wool and chassed 1 standpeint
mutto
find in find in any country. The flock is headed
by three excellent imported rames, viz., by three excellent imported rams, viz.,
Fair Star Rose 145189, which clipped 17i Fair Star Rose 145189, which cippedident.
lbs. of wool rectantly; Rofal Prest
and Shenstone Star. The first-mentioned 10s. of wool Star. The first-mentioned
and Shenstone Stast
is the sire of most of Campbell's wimers is the sire of most of Campbell's wimeers
in 1903 . At Joronto, his stook won in 1903. A't Toronto, his stook won
six firsts and three seconds ; at Ottawa, six firsts and thre seconds and one third;
three firsts, three secticher American Shropshire spedials, six firsts, one second and one third; at Irterna-
tional, Chicago, three firsts and two tional, Chicago, three firsts and two
seconds: truly a wonderful recond for the get of one sine. The other two sires, Royal President and Shenstone Star, were selected from the first-prize pen at the Roal in 1902, and like Fair
Star Rose, they are producing the right Star Rose, they are producing the right
kind of stock. The ertire flock, includ-
ing the young lambs, are looking excellent.
The Shorthorns, which are a reel useful ot, are headed by Golden Count, an eighteen-months-old Duchess of Gloster and
the Cruickshank Dand Brawith Bud families, and a choice, thick-fleshed one he is. Most of the females that are of breeding age, are in
calf to this bull. The foundation stock calf to this bull. The foundation stock
is of the Strathallan family, crossed upon by sons of Imp. Indian Chief and prime Minister.
Barred Rock fowls are also made a specialty at Fairview, where we notice a couple of pens of very nom and the other for breeding pullets. Eggs ar
also sold for hatching. also sold for hatching.

## TRADE TOPICS

THE G. W. M. S.-What do these in itials stand for? You will find out by
turning up page 653 of this issue, and reading carefully the announcement o the Wilkinson Plow Co., of Toronto, re garding the great western manure spread
er. Look it up, and write at onoe for descriptive cata
mailed you free.

Through the courtesy of the American Hereford Association and their secretary,
C. R. Thomas, of Kansas City, Mo., we C. R. Thomas, of Kansas City, Mo.,
have received Vol. XXV. of the Record of their Association, containing entries
145001 to 165000 . The presswork is very good, and the method of registra-
tion is very clear, as is described in our tion is very clear, as is described in our
issue of April 27th. This Association issue of April and very pushing, and is enthusiastic over the merit
favorite breed-the whitefaces.

## A

## A. Lasting Cure of Itching Piles.

a Chronic Gase of Unusual severity and Long Standing cured by

## Dr. Chase's Ointment.

Throughout Canada there are hundreds of cases similar to the one doscribed to low in which Dr. Chase's ointment fo proven a positive arm of itching plles. Mr. Alex. MeLaughlin, for 80 years a esident of Bowmanville, Ont., wribee :from torohing piles, and only pereons who have been troubled with that annoying disoese can imagine what I endurod du ing that time. About seven years ago asked a druggist that Dr. Ohaso's Ointcure me. was most favorably apoken of, and on his recommendation I took a box. "A Ater three applications I felt better, and by the fime I had way to recovery. I colltinued the treatment until thoroughly cured, and I have not sufferes $n$ nv since. 1 am frmaly convinced that it fontment made a perfeot cure.
"A consider Dr. Chase's NiNorm, th an
invaluable treatment for pileu. hvaluable treatment cure was retharkable when you consider that I am getung up in years, and had been so long a sufferer from the disease.
Dr. Ohase's Ointment, 60 cents a box at dill dealers, or Edmanson, Batas \& againatt imitations the portrait and signature of Dr. A. W. Chase, the famou recipe-book author, are on every box.


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all the pleasure of living; don't and drain to take away You knowerve force, your manhood, whe yourself losing your and that unless you are growing older and weaker every daty, You have pains and ace yourself now you will soon be a wret night and by day, confusion dizzy spells, despondency, losses by are growing day, confusion of ideas, weak back, varicocele, by happiness for the rest of your life. Cure yourself now and enjoy I go; "It hat beery man know it II will preach the morits of your wonderful treatment wherever Such are the messages of gladness sent to us from patients in daily and nearly always after other treatrio Belt. They come READ WHAT SOMF OF THE CUaled HAVE TO SAY: CURED HAVE TO SAY:
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