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 Chole fradt lot in and foining towis, amplo wation for

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Kelowns, B. O.

## 

The left-hand side of this cut shows the ordinary barbed wro tence-
of danger to stock. The other side show it after the applichtion of the
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## でhe

# Farmer's and Home Magazine. 

## EDITORIAL.

## B. S. A.'s for the Farm

The agricultural colleges of the country are again turning out a gist with the usual quota of trolley-car conductors. It would be interesting to know how many students graduating from The above, from the Live-stock World. i loubtless more applicabie to the agricultural colleges south of the boundary than to the institution at Guelph, but it contains a germ of thought which should not be lost sight of
"" Back to the Farm," asserts the World, " ought Back to the Farm," asserts the Worla, ought
be the class motto of the agricultural colloge, but, unfortunately, 'any old job in town' is more popular." The latter obscrvation canis
not be properly
applied to the Ontario Agricultural College. Careful enquiry discloses that the gre
farm.
The announcement of the graduation of the 1905 class of twenty-niue Bachelors of Agriculture (including a couple obliged to take supplemental oxaminations grees), Iends
at this time. It is gratifying to note that none at this time. It is gratifying to note that none ducting street cars, nor the nocessary but nonagricultural occupation of pulling teeth. It should be remenbered, too, that the graduating list represents that proportion of the students among whom practically all the professionalists
are found. It does not take account of the ffty or sixty regular students who had dropped out of the class before or at the end of the second year, practicaly all selves with practical farming in one line or another. The two-year or ". associato course meet the needs of the practical everyday farmor. and this course the majority of the students takc of the B. S. A. graduates, a number, of course will be called to ill professional positions. Five an unprecedented number, aro enterng the hel of agricultural journalisin in Canada, unquestion sprend the collego thoughts and influence. On spread the collego thoughts andist on the ex-
remains at the Collego as assistant on perimental staff, one goes to the Department of Agriculture at Ottawa, and one fills a position in the agricultural college at Arkansas, one be comes superintendent of the Industrial Schon
Farin nt Mimico, another goes to the farm of Farin at Mimico, another goes to the farm of leading Canadian brecder, and most of the a maining twenty-two, Maritime Provinces.
To our mind, not a little significance attaches to the last mentioned fact. It may be thought in some quarters that overcrowding, and hence lack of opportunitios in the professional tiela, may account for the circumstance. Assuming, further quota might be prepared to turn from plow to office if a tempting offer presented, the fact remains that, instead of leaving the country in largo numbers for American institutions, as ing "' any old job in town," an annually increasing proportion of the four-year graduates are disposed to devote their talents to farming. A number of men wili always te requrcd these it is the legitimate province of the agricul-
students will always have a kent that way, and it would be strauge, indeed, if they should choose any other institution in which to qualify; Lut it
should cever be kept clearly in wind that the should cver
great function of the 0. A. C., the function on which its main hope of extension depends, the function which, chiefly, can justify its maintenance by public funds, is the number and succese of its graduates who engage directly in agricultural production. We rejoice, therefore, to ob servo a growing disposition among the student to look upon farming an and It shows that the college is icling tho boys bec larger number of the ripht class of recruits largery, sonsible onterprising young mon of the farm who appreciate a good training in the scientifc principles underlying their business and know how to utilize it. It shows, also, that the college is fitting the boys better for fari life, and exalting their estimation of ite privi leges and opportunites. The surcest criterion of the utility of the colloge training is the number of mon who find perfect," is making substantial progress upon approved lines, and vindicating its right to public support.
It is insinuatod' sometimes, though not so il sistently as formerly, that the agricultural col lege tends to fill the young men's minds with extravagant and impracticaible theories, which ruin fathers who allow their sons to lead them into practices recominended at the school. The snag met in combating this idea has beon the element of truth it contained. It is true that, It times past, some students, more enterprising than level-headed, have dr fudgment, and the results were, of course, disappointing. The institution, however, is yearly getting down to more solid hardpan in the character of its teaching and in the ideas instilled into the pupis, so that the unfortunate results mentioned are becoming more unlikely and more rare, and the oxplanation of the unfortunato examples of past years, is in the knd of stud years the institution lavored woss, totally unfrymilior with farm life and work many of them from the old Country, and make farmers of them. This has been given up, and now students are required to have spont at least one year at nctual work on a farm before entering, so that the great majority are practical farmers when they matriculate.
There is this to be said, however, that the collego probably gots a fow boys each year who have quit farming carry, though still hanging or working in country stores. Then a parent dies, or for some other reason the farm comes to them, or they get tired of the work they are at and decide to go to an agricultural collego for a few months, or a year, and "learn all about farming." These men stay until examinations come round and then leave before taking them, and, of course, are no credit to the colloge. Some people say this could be avoided by rais ing the standard of admission. If tho college worthy, sensible farmers' boys who have not had the benefit of a liberal public school education but who are willing to work hard after they reach Guelph to improve thenselves in those subjects while they master the college curriculum proper relating to agriculture. These young
men must return to farm lifo vastly imporvod men must return to farm life vastly impravod
by the training thoy have recaived, though they may be little heard of outside their own community; while the misft who discredits the college, would likely have been a failure no matter what he undertook, and like the proverilial chronic subject fcr comment.

## The Incoming Tide.

The great tide of immigration which has sot in Canadawards of late years must be a soureo of gonuine satisfaction to the malority of us. It promises much for the development oot our country, and that thero is boundicss opportunity Yor development must bo concedod even by
those who would fain stom the tide. Millions of acres of rich virgin soll, countless areas of forest to be judiciously utilized, vast measurces of coal, minos of gold, silver, copper and iron, as yet undreamed of-thoso are the assets which Canada holds for the caming legions and the coming race. And it is not a vain dream to look forward to the time when a vast people shall swarm from Labrador to the Paciffe, and again north to the extremry of the timber line. To the romancer, the poet, the lover of stream, and wood and wild flower, the picture, in some aspects, is not a pleasant one. F'or theso Canada must lose immoasurably. But to those who would see her devolop into a great nation, tho prospect is as satisfactory as it is certain of fuliliment. This is a commorcial age, and in Canada, as in other progressive lands, chimneys must rear, whistles must biow, and the broad swards" on
crocus and flame-lower must givo way to the crocus and flame-fower must give way to the
upheaval of brown earth and the yellow glare of the wheat field. After all, to no small extent, commerce rules the world
In connection with this influx there is an observation that may not be amiss. To a people in bulk it may not moan much; to the individual, immeasurably, and, when all is said, is no this a matter that counts ? Is not the beat of a human heart worth more in the world $1 t$ concerns the reception which these incoming strangers meet at the hands of the Canadian poople. Here they come-Scotch, Irish, English, Gorman, Russlan, French, Asesyrian, and so on through the whole list-peoples as varied in charactor as in namo, and occanion ally as different, from the matter-offefact, "to the manner born " Canadian, as may well be
imagined. We look upon them curiously imagined. We look upon them curiously, and not seldom thoir little pecularitiee strike ua
They do not think as we do about a variety matters; they have their own way of doing things, way they havo clumgy and roundabout, Per haps, too often we are inclined to be super critical. Vie forget that in a foreign land we, too, should have our "poculiarites," and so we wrap ourselves up in a Pharisale mantle as unlovable as all Phariealsm cannot but be. Wo do not give these people tho warm heart grasp that our humanity should impel us to give. We are cold and standofish: we know it and they out of patience immediately, and instead of instructing gently and waiting a little we are too much inclincd to send the unintentional offender off about his business. His business? Alas, rather our business, for can we rid ourselves of the responsililility of being, each one of us, "his brother's keeper
der not be much more neighborly ta congates? Far frors who have come withir our
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Addrese THE FARMERS ADVOCATR, or
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witen the homesichness for the old faces and the "old familiar scenes" has its clutch upon the heart when the face tolis it not. A strange iand, strange customs, strange faces, strange hearts, and more than likely a dearth of money when moncy too often means "friends," social recognition, comfort itself. Let us put ourselves in the place of such wanderers; imagine ourselves afar longing for the old home, the neighbor plowing longing for the old home, the neighbor plowing
over tho fence, the old beech at the gate, the lilacs up the lane, and the catbird gurgling its heart out among the apple blossoms. Let us see the cold faces, catch the half-hidden smile at our awkwardness, and know that nowhere is there
the heart that will take us to itself.
Let us the heart that will take us to itself. Let us realize all this and be kind. Let us not fail in
the duty our hunanity demands of us. Canada glories in her imperialism. May she also glory in a cosmopolitanism which wil understand a
whole world, and the human heart of a world Whole world, and the human heart or
which is, after all, in all lands, but one.

## As a Magazine

Enclosed please ind $\$ 1.50$, payment of my subscription to March, 1906. To Bay that ${ }^{1}$
am much pleased with your paper is putting it am much pleased with your paper is putting it
very mildly indeed. As an agricultural paper and home magazine I do not think it can be beaten. I think it wil do anyone good ro read that "Quict Hour" a time or
Wishing you continued suceess.
middlesco Co ont Frank sutherland.

If You Want Anything
AND DON"T KNOW WHERE TO GET IT, AN ADVERTISEMENT IN THE "' WANT AND FOF

COLUMN OF THE "FARMER'S AD
U THE FARMER'S ADVOOATE and fuaie magazine, london, onf.

## Publishers' Announcement.

[From our Maniltoba and Wiestorn Edtiton.] We have pleasuro in prosenting herewith the
halftone portrait of Mr. R. J. Deachman, who halrtone portrait of Mr. R, Ne take chargenan, of our business and editorial ootice in Calgary, Alta.
Mr. Deachman, who boasts a good scotch pedigree, is a native of the famous farming County of Huron, in Western Ontario. Entering the On
tario A ticultural College in the fall of 1901 , he tario Agricultural College in the fall of 1901 , he
early impressed faculty and students as being a man of exceptional talents as a speaker, writer and all-riund man of affairs. At the conclusion of his sophomore year, he was elected as assistant
oditor of the College organ, the o. A. C . Re editor of the college organ, the o. A. C. Re-
view. Upon the resignation of the editor-inchief in the middle of the College year, Mr .
Deachman stepped into control as managing ediDeachman stepped into control as managing editor, in which capaciny
assisted by a served
atrong , staff, distinguished himsel assisted by a strong sectina a marked improvement
and his class en effeting a
 journalistic reputation as a man who does
thinge." An occasional contributor to to things. An "ccarmen's Advocate," Mr. Deachman has also spent two summer seasons in the
West representing the paper in a businoss and West representing the paper in a business and
editorial capacity, so that he is no "tender editorial capacity,
foot." Hoving rocently completed the regular four years course at the College, and decined several tempting offers in other directions, the
farmers and ranchmen of theese great new Prov inces about to be, will learn with satisfaction of his decision to return to the West, identifying
himself himself regularly with our alroady strons stant in
the work of promoting the interests of the paper the work of promoting the
and of Western agriculture.

R. J. Deachman, B. S. A.

Graduates in Agriculture.
The University of Toronto has announced the degrees, including that of the graduating class lowing, representinicultural College. The folfouniliend, Pennsylvania, and the Argentine liepublic, have completed the examination in agriculture entitling them to the degree B. S. A.
(Bachelor of Scientific Agriculture): R. J. Dea.h.
Man, Gorrie, Huron, Ont.; R. G. Baker, Philadelphia, U. S. A., H. G. Bell, Orangeville, Duffer-
in, Ont. B. Bustamanto, Argentine Republic E. D. Eddy, Scotland, Brant, Ont.; C. W. Es mond, Blessington, Hastings, Ont:; J. Evan
Randolph, Simcoe, Ont.; R. E. Everest, Scar boro, York, Ont.; J. Granel, Argentine Republic A. J. Hand, Stanton, Dufferin, Ont.; J. IB. Hood-
less, Hamilton, Wentworth, Ont.; T. I3. R. Henderson, Rockton, Wentworth, Ont.; T, B3. R1. Hend Guelph, Wellington, Ont.: A. Irvine, Habermehl Grey, Ont.; H. H. LeDrew, St. John's, New W. J. Lennox, Nowton Robinson, Simcoe, Ont H. McFayden, Caledon, Peel, Ont; W. C. Mc
Killican, Vankleek Hill, (ilengarry, Ont. A. W Mason, Norwich, Oxford, (Ont: R. F., Mortimer,
Hones wood, Dufferin, Ont.; G. B. Rothwell, Ot-
 Dundalk, Dufferin, Ont.
 Bethany, Durham, Ont; Butany-F. M. Logan,
Amherst, N. S.

A Farmers' Manufacturing and Supply Company.
To the Editor "" Cormar'a Advocato
Str,-Since writing my article on co-operative purchase of supplies, which appeared in the "Farmer " Advocate" of May 18th, I have heard of and inves dgatod the "Farmers' Manufacturing and Supply Co. ci., which has its head office at Durham, Ont., with hough it does not so call iteellh fo almost a perfect tooperative organization, and, though it has been operating less than a year, has over ive hundred farmer ncouraging for all who hope for great results for douraging for at who hope for great results for coknow what to do in order to beneft as soon as possible by co-operation

THE FACTS
The Farmers' Manułacturing \& Supply Co., Ltd., is association of farmers, incorporated under the fects of purchasing supplies for shareholders, the obturing such supplies if necessary, and possessing other wide powers, It provides in its charter, however, that $n_{0}$ member may hold more than Ave shares, and as the shares authorized number 5,000 , at $\$ 20$ oach, it is impoosible for any one man or small group of men to control the company. It is a farmers' company, and must always remain such. The directors number avo, and the present offcers are: Preeident, Goorge Binney (ex-Warden), Grey County; Secretary-Treasurer,
 Westorn Ontario. The pulicy of
plies required by members, so far as is tound ticable, at the best terms possible, and to sell them to members at a rate that enablos the company to pay expenses, and, perhaps, a small dividend, this rate effocting a large saving to the shareholdor on overything dought to make very satisfractory terms in the compling. as the able to make very satidiccory terms in buying, as the following comparative prices will show


Cement, a saving of 15 cents per barrel ; coal, saving of 40 cents per ton; harness, from $10 \%$ to $20 \%$. Similar savings of substantial amounts are secured in sewing machines, washing machlines, pianos, stoves,
furnacos, etc. These ngures I got (most of them) from farmers who have bought the articles named. One or two special instances might be given. Mr. T. J. Clump,
near Galt, bought 160 rods of No near $G$ alt, bought 160 rods of No. 9 woven wire fencing,
and saved $\$ 22.40$ on the one purchase, within three and saved $\$ 22.40$ on the one purchase, within three
weeks of buying his share for $\$ 20.00$. Mr. Twombly, of Durham, bought 500 rods of another grade of wire at 98 cents per rod, saving a tutal of $\$ 60.00$.
The company is growing rapidly The company is growing rapidly, as is to be ex-
pected. As the capital is linilted by the charter to $\$ 100,000$, which makes it impossible for more than 5 000 farmers to become shareholders, it will probably be necossary to change the charter to admit of larger A word as to the way business is conducted: The buying th done by the head office at Durham, prices being thus secured that are impositiole in the case
sumall local purchasers or agents. Shareholdere any simall local purchasers or agents. Shareholders any
where may post their orderg direct, or where may post their orders direct, or leave them a
the branch stores in the nearest town, and the good are got by them either at the stores or at the station
Cash or note is the rule Cash or note is the rule for payment on purchases, a
being the most eccuomical way of running the businas weing the most eccuomical way of running the business. ers cannot fall in their project, because they are suc Cworling splendidly now, and because a growing member Which one. It is not the ideal plan of that benefite had oullined, but it has got results, and results are
what I had in view in suggesting the methods of It has occurred to me that there may be many As woll as this, and that members of such organizations Chould yive an account thereof to the readers of the

## HORSES.

## Untoward Results of Castration.

PHYMOSIS is that condition in which the penis is inaprisoned within the sheath, and, on account of excessive swelling of the latter, es-
pecially at the anterior extremity, cannot be pecially at the anterior extremity, cannot te
protruded. It is seldom serious, and attention protruded, It is seldom serious, and attention
should be directed towards reducing the swelling of the sheath by fomenting with hot water, and, f necessary, scarifying, to allow escape of the accumulated serum. It is seldom the penis is involved in the swelling, and when that of the
sheath has been dissipated a cure has been effected.
PARAPHYMOSIS is the opposite condition to
phymosis, viz., the penis is protruding, and phymosis, viz., the penis is protruding, and
cannot be retracted. The causes are the same, viz, excessive swelling of the sheath. This is lialle to be more serious. The swelling the pendulous penis, arrests to some extent its circulation and produces a tense inflammatary
swelling. Treatment to reduce the swollen conswelling. Treatment to reduce the swollen condition of the sheath should be the same as for cluded in the fomentations, and in extreme cases scarified. It should be supported in a suspensory bandage, and this may with advantage be the penis is suspended in this way it is good practice to give the patient exercise, as this tends to remove venous engorgement and excite absorp-
tion of the fluids. Wheu the condition exists for considerable time there is a danger of partial paralysis of the muscles which retract the penis, hence it is wise to treat early and energetically, and as soon as the swelling of the sheath sub-
sides sufficiently endeavor to force the penis back into position by careful and gentle manipulation. HERNIA, or the protrusion of a greater or opening in the scrotum occasionally occurs shortly after the operation. If omentum, (the
serous membrane that suspends the intestines) serous membrane that suspends the intestines)
only protrudes treatment consists in cutting it only protrudes treatment consists in cutting it
off as high up as possible. If the intestine protrudes the case is much more serious, and prounpt ume be considerable it should be suspended with a suspensory bandage to prevent injury, and then
the animal must be cast as for castration, firmly secured, placed upon his back and held there. The bandage must now be removed and the exwith a five-per-cent. solution of carbolic acid, and carefully returned. Great care nust be taken
to not scarify or bruise them. Then the opening to not scarify or bruise them. Then the opening
into the abdomen, called the external inguinal ring, should be closed with carbolized catgut or silk sutures. If sutures of this kind are not on hand,
those made of hemp, slightly waxed with beeswax those made of hemp,slightly waxed with beeswax
and disinfected with carbolic lotion, may be used, and the ends allowed to project two or uhree inches below the scrotum, in order that they may be pulled out before the wounds in the
scrotum have quite healed. If the first-menscrotum have quite healed. If the first-men-
tioned sutures are used they will become absorbed, but ordinary sutures will not, and if not removed, as stated, will act as foreign bodies
and cause the formation of alscesses after the and cause the formation of alscesses after the
animal has apparently fully recovered from the animal has apparently fully recovered from the
operation. After the operation has been per formed' as stated, the patient must be allowed
to rise, and should be kept as quiet as possible to rise, and should be kept as quiet as possible
for two or three days, after which exercise should be given to dissipate swelling, and there is little SCIRRHUS CORD is an enlargement of the end, and in many cases, of a considerable por-
tion of the severed cord, due to a microbe or germ that gains entrance after the operation. This inflaumatory condition occurs more frequent-
ly when clams have been used than in other ly when clams have been used than in other
cases, especially when the operator neglects, when removing the clam, to break down with the finger adhesions that frequently take place between the
cord and the scrotum, and thereby allow the cord and the scrotum, and thereby allow the
cord to retract. The symptoms are easily noa few days, or in some cases longer, a fullness
of one or both sides of the scrotum will be sembles an animal that has not been castrated Treatment consists in casting the animal, break ing down the adhesions between the diseased cord
and surrounding tissues, and severing the cord above the diseased portion with an ecraseur or
emasculator, or applying fresh clams. This is emasculator, or applying fresh clams. This
a much more difficult operation than the first.

## Tell Your Wants

TO OVER 80.000 OF CANADA's BEST FARM ERS by advertising in the ". Want and FOR SALE ": COLUMN OF THE MAGAZRSE。 LONDON, ONT.

Points on Draft-horse Breeding.
A writer on the subject of breeding Shires, referrin wo the varlous points to be observed in mating and al pertinent to Clydendale, Percheroa and Sulfolk breed ango generally apeaking, as to that, of Shire the largest atallions do not always get the most size able stock. It would certainly not. be advisable to great helght at the withers, but which lacks a propor tionate amount of substance and welght. The thing to - big framework; these are of more importance than mere height. For breeding purposee a big-made but not over-grown stallion is required. There are not a tween a stallion that is built on big lineis and roomily made and one that is overgrown, and yet it is of the greatest importance to the succoseful breeding of big
Shlre horses that the one should not bo confounded with the other. A blg and roomy stallion of eymmetrical development and with a large framework will gemerally get big stock when suit tably mated to mares of the right which is on roomy lines, will more than likely get foail which eventually ahow a want of aize.
Whin aiming at breeditig Shire horeos as big and be ble and doep. and that they should possese a deal of roominess. There must be plenty of deptle and width that the mare is sumciently big to afford ample room to her unborn olfipring. If the mare is not roomy, and the growing foetus will inot be so great as it might be, and development to the utmoot posible size is naturally imposalble. Besides looking for plenty of depth and
width of bady in the brood mare, the breeder should also se that the points of the hip bones are wide apart; the more widely they are apart from one an-
other the better. As a matter of lact, it is always other the better. As a matter af lact, it is always
found that in a roomy Shire mare built on really big lines there is greet width between the poluts of the hipJoints. Narrowness between them is highly objectio


Leek Advance
Three-year old Shire stallion. Owned by Mr. A. Nioh ulson, Highald, Staffordehire:

## chourd further be wean that the hind quarters aro not

 too short and compact in the brood mare. The quartor or their length ; on the contrary they are, comparative ly speaking, shortish. It is cortainly not desirable to breed from a mare whose quarters are partlcularly short and wanting in scope. The quarters, like the barrel,hould be as roomy as they can be, and they should possess qulenty of development. Taking a rear view of the mare, she should show great wldth ; the bronder she not interfered with. There can be no two opinions as to the importaxice of plenty of breadth in the brood mare when breeding big and sizeeble shire stock. Breadth of body le due to long, well-sprung ribs, and
to a large and wide shape of the pelvis, and these two polats are, therefore, of importance, and thould recelive due consideration from the breeder of Shlires.
With a view of getting the maximum amount of size
in young Shire stock, it is very desirable that the marea in young Shire stock, it is very desirable that the mares
whould be put to the horse early in the season, so that
they procuce theit foals at an early date. Early foals eneraily grow inta the biggest horses and develop the particular about getting hio mares to foal sufficiently early in the spring
of a young vare does ly be found that the first foal of a young mare doas not grow so big as her subsequent toass, and when a brood mare becomes very old
her foems are generally apt to lose size. These points are worth noting when going in for the breeding of the hearleast and biggost stamp of Shires. In selecting
anlee for breeding purposes, it is certainly best to select alliee for breeding purposes, it is certainly best to select
ollies bred-from mares when the latter are in their prime. Loss of slze may easily result when the first Ooal of a young and immature mare is retained for
breeding purposes. If a filly is put to the horse and breoda a purposes. If a a folly is put to the horse and
berly age, this may have a certaln stinting effect upon her further growth and development if she is not fed uberally while in foal, or if
she is backward in condition and growth when the survice takes place. The age when a Shire flly may suitably be put to the horse for the first time without Tith by broeding from hor depelopment being intertered If she is well developed, of satisfactory growth, and orward in condition, she can well be put to the horse of ultimate old without there being any riak of loss over, of the pointed out, that the in-foal filly should be liberally treated in the. Way of food: the will require to be fed When anly is bockward and lacks sumcleat aize foals. it is not desirable to breed from ber when she is two years old; in her case the breeder should wait till the With a vieaw to breeding belore putting her to the horse. young Shire flly, it is best to breed her to a mature itallion not less than stx yeara old. By mating toprogeny immature stallion and an immature Ally, the progeny will gener
a mature horse.

Prevention and Treatment of Joint II (Navel III) in Foals. This scourge of the stud, nowadays, is bost
handled by preventive measures; curative at-
tempts are rarely suecessful. The disease is not confined to any country, but seems to thrive es-
pecially where horse-breeding is carried on and foal-
ing occurs indoors. ng occurs indoors. ity suggests that the navel string (umbilical cord) should be tied with a ligawell soaked in a solution well soaked in a solution
of carbolic (1-20) or corrosive sublimate (1-100), and that the cord itsel should be painted with
some protective prepara-
tion, such as collodion (it used, keop lighted 1 a in and matches away, as it
is imflummable), to which is added one-tenth part of carbolíc acid or iodoform
A cheap mixture is ono o corrosive sublimate in one thousand of methylated spirits, or the following
Carbolic acid, 2 ounces camphor, 5 ounces ; resin or shellac, 1 ounce; methy
lated spirits, 15 ounces But thero may be readers unfurtunate enough to have animuls infected and without an attempt at cure. As the odts are long take the risk we may measures-" kill or cure,"
 of formalin infected
points over the swelle joints by means of a fine hypodermic syringe, ha joints known to have an excellent effect; so has a five-per-cent. chinosol lotion, and the like strength of iodide of potasslum in solution. The internal administration of antiseptics in doses short of being
poisonous is worth trial. Twenty to sixty drops poisonous is worth trial. Twenty to sixty drops
of pure carbolic acid in two drams of glycerine and two tablespoonfuls of water, night and morn ing, or drame tiosos of chinosol in a few ounces of water, may be given. Whether or not the in ternal treatment is tried, we may quite safely, and with some hope of success, if not much, daily which enlarged Jorns are or iodine, which is a penetrating preparacion of lodine thatoyed. It is important to keep the little patient feeding, and if appetite is not lost he may be helped to the teat or bottle with milk drawn from it.

## THE FARMER'S ADVOCATE.

## Cattle for Trinidad and Tobago

During the year ending March 31, 1904, there were imported into this colony 7,033 oxen, bulls,
cows, etc., not one of which came from Canada, and only two from the United Kingdom (for breeding purposes). Venezuela supplied 8,970 head, and the British West Indies the balance. had an interview with the largest importcr of cattle here, one who slaughters 240 monthly. He expressed suprise cottlemen He was pinion that, given proper freight facilities, would pay as well to send oxen here as to Eng land, and the matter is one which may merit th attention of those interested in the Dominion The cattle received from Venezuela are compara tively small, the live weight being about 85 pounds.
The import charges are: 10s. duty inspection fee, 1 s, ; scale, 1 s .; and the value, landed, is about $£ 6$ 1us. Owing poor from January to August. It improves from September to December, but can hardly ever be marked as first-class.
A certain quantily of frozen American beef comes here, but there is a prejudice against it, and it does not enter into serious competition with live meat.
I understand that cattle from Alberta and elsewhere, weighing about 1,400 pounds, are shipped from St. John, N. B., to Liverpool, the
f.o.b. price being from $£ 6$ to $£ 7$ per head. Al f.o.b. price being from £6 to $£ 7$ per head. Al
lowing for the difference in weight and in the quality of the beef between Canadian and Ven

## Canadian Bacon in Leeds.

In the Bradford and Leeds districts a great deal of satisfaction is being caused by the large shipments of atale and overkept bacon
from the United States, and Canadian bacon is steadily gaining ground and is in leetter demand It was stated to me the ather day by a large dealer in bacon here, that "apparently United
States bacon is losing its hold on the English States bacon is losing its hold on the English
trade, and Canadian bacon is taking its place; just the same thing happened in the cheese trade few years ago." The English trade require
regular weekly shipments of well-cured and wellregular weekly shipments of well-cured and well-
selected bacon. Trade prospects here for Canadian bacon are very promising. JNO. JACKSON.

The Argentine Government Has Become Suspicious.
The Farmer and Stock-breeder, in a recent issue, comments on the large number of British
cattle that have failed to pass the tuberculin test -some 77 in three months, whereas previously, rom 1898 to 1904, only 412 were rejected. Tho nuotation that we cannot resist publishing it.
". We agree with our contemporary that something is wrong somewhere. Were all those slaughtered passed before being shipped? Are
our veterinarians so inefficient that they fail to detect so large a proportion of diseased animals ? It would be interesting, and indeed useful, to have in each case a post-mortem examination to re-
veal the truth or otherwise of the tulberculin veal the truth or otherwise of the tubberculin
diagnosis. Our representative in that country diagnosis. Our representative in that country
should have immediate instructions that in all cases where an animal is condemned for tuberculosis a post-mortem examination be conducted
by the highest authority procurable. surprising that the proportion of rejections should h ave jumped t o
such large numbers so suddenly
know "it is in the at know surprising that
all
rejections should rejections should
have jumped so,
lave but it is surprising
that the Argentine authorities did not
fumble to the tricktumble to the trick.
wy
wis on more quicking on more
quick only
took the Canadian Governiment t wo
sears to take meassears to take meas-
ures to stop it, and ly ${ }^{\text {eo doing }}$
a voided putting temptation in the
way of our weaker brethren across the
seas. As one Scotch brecder, in conversa-
tion with the writer as to how they (the
inredels) irreders) leat the
test, said, "f it is no use being mealymouthed about it, I

## 

ezuelan animals it seoms probable that ship ments here would pay
The same fees, duty, etc., are payable on the man would the smaller beast, and the slaughterwhich would command so mighel price for bee which would command so much greater value
from his customers. On the few occasions when cattle have been imported elsewhere than from Venezuela and the neighboring islands, and the fact has been duly advertised, all other meat classes, who have been most willing to pay much more for the good article than for the usual in-
ferior quality. The larger the animal the better ferior quality. The larger the animal the better,
but an average of 1,000 to 1,200 pounds live but an average of 1,000 to 1
weight, would be very suitable.
The question of transport is, of course, an
important one. The voyage should be comimportant one. 'The voyage should be com-
pleted, if possible, within ten das. It is a
question whether sufficient froight. inducement Meted, if possible, within ten days. It is a
qitestion whether sufficient freight inducement
otherwise would warrant direct steamers for the purpose. But lots up to 500 head would find ready sale, especially if advice were given some In addition to the ordinary underdeck cargo,
cattle steamers could always bring a certain cattle steamers could always bring a certain
number of sheep. Mutton here is much more expensive than beef. It is imported principally live weight, and where the freight $\$ 1.75$ per head. . Potne
importations from Canadians have not importations from Canadians have not been eat-
isfactory. Wethers are wanted, and rauns, and ewes in young have been sent. There is no
difficulty of obtaining wethers in Nrw York. The
shecp trade should certainly' be worth looking insheep trade should certainly be worth looking in-
to. The longer voyage does not affect them so port of Spain, Trinidad.
adin $t$ it has bcen go-
ing on right along.'" As long. as the craze for certain
Shorthorn familics exists, thereby limiting buyers in their choice of cattle, and as long as the test is dernanded of those cattle, so long will be found fellows trying to beat the test and the official administering. A little common honesty is the undertake to beat the test is just as likely to fake a pedigree. In the words of our Scotch
friend, ""There's no use being mealy-mouthed ariend, ", if it the miserable being mealy-mouthed topped.

Live-stock Arena tcr I or onto Exhibition. Exhibition recent mecting of the Toronto Sn the proposed stock-judging arena. Mr. R. J. advocated proceeding with its erection with the ceast possible delay. Ald. O. B. Sheppard and
Ald. Dunn endorsed Mr. Score in his views President McNaught said he had heard that the Armories would not again be available for the
Horse Show Horse show, in which case, he, toa, thought no troller Spence agreed with nearly all that had rocer spence agreed with nearly all that had
beend would see that the Board of Con-
trol take the trol take the watter up at once and proceed as
fast as possible.

We Can Sell that Farm for You.
A SMALL ADVERTISEMENT IN OUR "WANT AND FOR SALE COLUMN WILL DO THE VRICK. 'ADDRESS: THE FARMER'S AD ONT

## FARM.

## Advantages of Underdraining.

The continued wet weather prevailing in some districts during the last few weeks has served ensuring against the partial or total failure crops, owing to an excess of water in the land. In some sections tile draining is recognized as essential to successful farming, and is generally practiced, the conviction being firmly fixed that the whole cost is generally repaid by the increased yield of crops in two or three years, and in some instances in one year. In many vthe instricts in which the conditions of the crops in some seasons plainly indicate the need of underdraining, little or none has been done, and nuch loss is resulting to farmers from its ne glect. While its advantages are generally acknowledged and admitted, the cost of tile draining is,by the average farmer, a consideration which causes him to hesitate and procrastinate from year to year, though he may be convinced of the need and the probable or practicable cortainty hort time indicated. Thorough drainage, it is rue, is an expensive operation, costing, as rule, an outlay nearly equal to the selling value of the land without it; but if the claim that it will pay for itself in the increased yield of the first two or three crops is a reliable one, tha
rigk is not great, and since the work may be radually accomplished, a part being done each year, the investment sho sto fident it will, provided the work is reasonably fident it
well done
If a farmer feels that he cannot afford the year, he may make a commencement by laying the main drain first, providing for a good outet first, and put in the laterals later, but it is wisdom to have a well-considered system to begin with and a map with measurements marked upon thateding any completed at the system time while there is little room for loubt that on most farms thorough draining over all its parts would pay for the doing, there are portions of the majority of farns which the owner cannot afford to neglect to drain if he de-
ires a. decont return for his labor and the seed sires a deeling plas without an outlet with souficient fall to corry off surplus surface water,
where the crop suffers from excess of water, as shown by its siguals of distress in the form of pindly stalks and sickly yellow leaves, yielding, half portions, which, if properly drained, would cer-
tainl be the most productive of the field. Such tainly be the most productive of the filld. Such
places, as a rule, might be relieved of their disardiily with a comparatively small outlay of
time or money, and would probaly pay for it time or money, and would probally pay for it
twice over in a single crop, to say nothing of the twice over in a single erop, to say nothing of the
satisfaction of seeing a uniform crop over the whole field. The labor and cost of draining may be greatly lessened by good management, the use
of the plow in opening and filling the ditches, of the plow in opening and alling the ditches,

## Travelling for Agricultural Knowledge.

 Long ago the famous educators, Pestalozzi and Froebel, strove to impress upon the teachers of gaining instruction about a great many matters is seeing and doing. Since their day "Learn to do by doing" has become an educational axiom, whose value is being daily proved n school, laboratory, technical institution and manual training halr. an educative principle foun that of articulture which is a science as truly to be studicd, learned and benefited by, according to the skill and thoroughness to be expended upon it, as anyother curricula. Deumark, to the fore, as usual in all things pertaining to agriculture and dairying, has seized upon this fact, and is putting forth every possible effort to provide for the
further instruction of her people in these sublurther instruction or her people in these sub-
lects. Learn to do by doing, has become
her slogan to the farming world, and in order her slogan to tho farming world, and in order
that as few obstacles to to be betst results as posthat as few obstacles to the best results as pos-
sible shall stand in the way, she has hit upon a number of clever expedients.
Among these is that of providing "travelling
aids " to farmers, to onable them to visit the
various experimental farms and dairy schools at vids to armers, to enable them to visit the
various experimental farms and diair schools at
the lowest possible cost. Durling theso visits the 10 west possible cost, During these visits
they are expected to take actual part in the operations which thoy have gone to see, and in this way are likely to have facts fixed firmly up-
on their minds.
Briefly, the method is this: on their minds. Briefiy, the method is thiss
Each year the Government sets nupart a cortain sum or money for this purpose Ee Each farmer
who wishes so to travel send in his applicazion who wishes so to travel sends in his applicazion
to one of the offices of the loyal Danish Agrito one of the oftices of the
cultural Association not later than three weeks before he wishes to set out. He is thereupon
suplied with a supplied with a book of coupons which will sirve as certifcates at the difierent placcos he visits
also with a plan, setting forth exactly where ho must go, and at what date he must arrive at and leave each point. This plan he must rigid-
ly adhere to.
His coupons, marked at
ach lace achere to. His coupons, marked at cach
place on the route and returned at the end of the trip, will show whether he keeps to to it or not.
If he does so, well and good if he does not, If he does so, well and good, if he does not,
he forfeits a certain amount for each day wasted. While visiting, as said before, he must take notes and engage in practical work; any neglect in interest, or misconduct in any way, is reported to headquarters, and he must suffer by a de-
duction of the amount allowed him. In order that there shall always be an opening for these travelling pupils, no private pupil is permitted to stay at any school to which the former are
admitted for more than six months at time Owing to the small Owing to the small extent of Denmark and the
exceedingly low board rates prevalent there, this plan is found very feasible. In Cnn da such
conditions do not obtain, but many of our farmconditions do not obtain, but many of our rarm-
ers and dairymen aro very well able to pay their own way on short and frequent trips, and it minht be telling a few of them a thing or two
were they to take a leaf from the book of the were they to tnke
proeperous Danes.


Euglish Leicester Ewes and Early Lambs.

## About Silos.

Below is the summary of Bulletin 101, entitited Crops for the siloz Cost and Filling, iksued Corn silage is, as a rulle, the most economical succulent food that can be obtained for dairy
cows at a season when pasture in not available cows at a season when pasture in not avallatye.
Although not a balanced ration in itsell, it tend to heavy milk production, and economical millk
can be made by foeding corn silage and a legume can be made by feeding corn silage and a legume
hay without the use of much grain. hay without the helping the pasture out during dry periods
with partial siling, more stock can be carried with partial soiling, more stock can be carrie
on a given area than by pasturing alone No crop will furnish more feed to the acre than corn,
and with the silo this can be utilized for goil${ }_{\text {ing }}^{\text {When }}$ corn is fully tasseled it contains less than one-fourth as inuch dry matter as when
the ears are fully glazed. From this stage to the ears are fully ghazed it siom this stage
maturity the increase is but slight. That silage may kecp well, the corn should not be cut until most of the kernais are glazed
and hard: if too ripe, the sillage will not setuld and hard; if tor ripe, the silage will not yetil
well, and the air will not be suffciently excluded to prevent spoiling.
with a corn is most easily handled by cutting with a corn binder, and using a silage cutter of
large enough capacity to avoid the necessity of latge enough
cutting bands.
II silang
If silage is to keep well, the leaves and heav ier parts must be kept thoroughly mixed, evenly
distributed in the silo, and well tramped nex the walt. Atter filling, the top six inches should
be wet once, and the whole surface tramped be wet once, and the whole surface tramped
every day for a week, to obtain a thin, compact every day for a weok, to obtain a thin, compact
layer of well-rotted silage which will exclude the air. Records of the cost of silo-Mlling were kept
by in various parts of the State, and the cost was found to range from 40 cents to 76 cents a ton
the average being 58 centa.

Tumble-weed (Amarantus albus). The This is a weed about which comparatively
little has yet been written in Ontario publications, and which few farmers aipeear ablle to recognize. It can scarcely be classed with our noxious weeds, neither has it becone very rom-
mon; yet, I have seen fields in which it has mon; yet, Thave seen fields in which it has prov
en its ability to become troublesome when not cosely watched. Where only occasional plants
close could be found a couple of years aso it is now
almost as abundant as the well-known almost as abundant as the well-known pigwed,
to which it is allied. The principal danger from this plant lies in its free-seeding habits, which while it is so little known, and consequently unnoticed and undindered, gives it the opportunity Tumble-weed is
sembling the notorious anussian considerably re low-branching, bushy habit of growth. It varies much in size, but orten attains a height of ove
two feet in ordinarily fertile soil, with a diamote usually equal, thus giving it a globular shape The stem branches from close ta the ground
right up to the top, the lower branches spreading horizontally to give the characteristic shape The leaves are usually small, although, when in rich soil, or growing among other vegetation, they are rather larger, and the plant is more
erect. The flowers, which are small, greenish and inconspicious, are borne along tho branchlets. Theyspare foullowed by seeds concoaled in a bristly
chaft somet chaff, somewhat like that of pigweed, but not
gathered so closely into pikikes. When ripe the seeds can be readily shaken or rubbed out of their enclosures. They are quite small, jot black
and shiny, nearly ctrcular and compresed, with and shiny, nearly circular and compressed, wit
convex faces. For the dispersal of its seeds this plant exhibits a n ovel form of natural adaptation. ILB
globular form is for and globular form is for a purpose. When the soeas
ripen and the plant dies, in earry tall, the ripen and the plant dies, in eariy fall, vo branches become, vory
light, ory and pithy, and
lhe whole plant ty easily the whole plant tio easily
broken of at the ground by the wind. Then it is
blown over. and over
 Yences bounding the field
beoome t h e lodging
place plocese, until a wind from
another
quarter
drives many of the plants again across the field. The work of comhating tumbewed shou
not be particularly difl cult, as it is an annual dying naturally $e \mathrm{ach}$
year;
and so far have observed, it has nut
any very resistant propany
erties. Mees Measures agrinnt
it must
be directed toit must be directed too-
wards preventing sood-
ing, by cultivating ing, by cultivating out
the plents early in their growthe This is practicable, because it seoms to occur most abundantly is also a simple mattor to collect the plants from the fences, or, better still, from the fild
before they have been broken from their
 ings, and burn them. As the seeas are frequent
Iy ound in grass sed, this is doubtess the
commonest agency in introducting the commonest agency in introducing the weed to new neighborhoods, and the farmer who is caro-
ful about his seed will keep his farm clean long-
fest.
H.

## Don't Kill Birds.

Boyb who rob birds' neste, or boy or men who kill birds, should be teught by vigorous means, if necessary, that we have law against the destruction of these insectivorous frisnde or the farmer, and that if it were not ortheir prosence, farming, and espectally ortless buse would soon become a propests. We hear and the country destroyed by in some parts of the country have been ruthlese destroying birds for food and for amusement. They should be instructed as to our laws, and if hey will not then desist, prosecutions in the urs should follow.

## Better Than the Bunch.

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## Blecstone Sprayling for Mustard.

 As the season for mustard-spraying will shortly be on, a description of the 'method willno doubt, be of service to inany readers. It may be remarked that the effectiveness and safety of this spraying is due to the fact that a two-
or three-per-cent. solution of bluestone sprayed or thre-per-cent. . solution of blestone sprayed
on mustard will
cill it
it
 will not retain sufficient of the solution to do
them any harrm. Indeod, in hieldo bady infected
with muaterd the with mustard the spraying proves a decided boor
to the crop by killing the weed, which would to the crop by killing the weed which would
otherwise rob the crop of plant food and noisture. It is claimed that an indirect injury of mustard is that it provides food for the turnip
flea beetles before the turnips and other planta flea beetles before the turniptack.
It is unnecessary to dilate upon the wisdom of preventing the maturing of mystard, the seeds
of which, being oily, will lie buried in the ground indefinitely, awaiting turning up to the surface for suitable germinating conditions. Spraving, as a remedy, was first discovered in
France in 1897, since when its effectiveness has France in 1897 , since when its effectiveness
bleen widely demonstrated, notably by the
Biological Department of the Ontario Agricultural College, which, since the summer of 1901 , has bieen conducting in various parts of ontario ex-
periments which conclusively establish the fact that, when done correctly at the proper time, provided no rain falls within 36 to 48 hours, spraying kills practically every mustard plant, with out hurting the grain or young-seeded timothy
or clover. In case of rain following shortly, second $p$ praying may be necessary, Usually, if
the spraying in performed fust as the mustard is the spraying io performed just as the mustard is
coming into bloom, the crop will be dense enough coming into bloom, the crop wirl be dense en ough
to smother any plants that slart atter that date toence it is claimed with reason that a few years' thorough spraying will so thin out the pest that hand-pulining will easility lean appar. It may be noted here that there are two kinds of mustard-the one smothleaved, and the other hairy, the latter being
easier to kill. The spraying should be done after the plants have developed a considerable
leaf surface, but
It
It en
on a calm, bright day. pounds of bluestone by suspending it in a coarse bag in about three gallons or boiling water; the
crystals should be all dissolved in fifteen to crystals should be all dissolved in fiften to
twenty minutes.
Strain the solution into the pump barrel, and fill up with cold water to make orty or forty-Ave gallons. This quantity will susully treat an acre. Where a large area is
to be covered, a stock solution ", of bluestone may be made by using a delnite number of
pounds of bluestone and a corresponding number pounds of bluustone and a corresponding number
poun gallons of water. This may be hauled to the of gallons of water. This may be hauled to the
feld in a barrel and the water drawn in a tank. and kept at the end of the field. If a pond is adjacent, the pump barrel may be filled there,
if not, the water may be hauled out in a tank. it not, the water may be hauled out in a tank.
The spray may be applied with an ordinary
 and drive slowly through the feld, holding the
nozzles so that all the mustard will be well wet. The bamboo-rod attachment will do the work efzontal extension - rod, mutard- ipraying
attachment
fited
behind wagon. It is worth knowing that the
spraying machine companies manufacture special
 Co., of London, Ont, for instance, is getting
out a power sprayer (driving the power from the hozzles, covering a width of about 18 feet at nozeles, covering a width of arout 18 feet at
each time arosos. With tis it is estimated
that, when the water is handy, a man to prepare the chemicals, a boy to drive, and one
horse, can spray about forty acres per day which, allowing good wages, would amount to
about ten cents per acre for applying. Good about ten cents per acre for applying. Good
bluestone mayy now be purchased in quantity at
approximately six cents per pound, or 56 cents per acre. Allowing a little margin, however, we might estimate tatal cost of labor and material
at 80 cents per acre. If an ordinary four-nozzle be a little higher-porhaps twentýy cents, instend of ten. The cost of a complete ten-nozzle-power
outfit would run up to $\$ 85$ or $\$ 90$. An ordinary hatfit would run up to $\$ 85$ or $\$ 90$ An ordinary
hand pump, with necessary brass parts and cight

 mustara-infectec
operate han might get
 ard. Lackłng a power pump
 rass row sp
llow plague.

## Cutting Weeds on Roads.

By a recent amehdment to Ontario Municipal Act, pathmasters are no longer required to lonk their division. Every owner or occupant of and is now required to cut the weeds growing on the highway adjacent to his land. Sec. 2 of Chapter 27, of 4 Ed. WI
It phavil bes as follow
It shall be the duty of every owner of land cause to be cut down and destroyed at the proper time, to prevent the ripening of their seed, all the noxious weeds growing on any highway adjoining such land, not being a toll road, from the boundary of such land to the center line of such road, and in case of default after notic where no inspector or overseer is appointed rrom the clerk of the municipality, the council of such municipality muy do the work, and may add in the collector's roli, and collect such cost the same manner as other taxes.
By the amending act it is still the duty see that the private owners observe and comply with the law.
The amendment does not affect the right concorred by the Municipal Act upon municipal of Canada thistles and other weeds detrimental to husbandry, and for compelling the destruction thereof.

## Evergreen Wind-breaks.

## ng evergreens, some hints on that subject plan

be helpful to " Farmer's Advocate " readers. is, My observation in travelling about the country So many farmers seem to have no appreciation of the value of trees, evergreens and shrubs about the farm home. It scems to me it is be oming more apparent every year that some Country to provide wind-breaks about the the buildings, to protect stock as well as home from the farm at all seasons. The the beauty of appreciates this, and he is paying more attention to it every year. He, in fact, is leading us, and we shall soon need this protection as much as
the prairie farmer, as our wood-lots are fast disappearing.
A good many have tried to grow evergreens evergreens. Many have planted dead evergreen and didn't know it. They didn't know that five minutes' exposure of roots to the sun or wind would mean dead evergreens. Many do no able resin in it, and if this once gets thick you green, of course
tions and pans are taken from natural condi be dug, and great oare should be taken in dig ging them so as not to injure the roots. The
roots of evergreens grow from their tips, and will not start from a broken place. This is is
why the nurseryman transplants them every two years. By transplanting, the roots evory two
compact, and the tree has more chances compact, and the tree has more chances to live
when planted. It is safer to get evergreen stock from a reliable nursery, where you are sure they
will come to you well packed in moss. Before opening the package the ground should be well prepared, and a furrow opened with a plow or
spade, if they are to be set in rows for a wind
break break. A mud bath should also be ready in tub
or some other vessel which will hold water and or some other vessel which will hold water and
can be drawn along with a horse. The mud
bath is made of colay can be drawn along with a horse. The mud
bath is made of clay and water, mixed to about
the consistency of sweet croam the consistency of sweet cream, not too thick
to ball up the roots. Kepp the tops dry by
packing the roots in this mud packing the roots in this mud bath with the
tops above water. The most suitable sized
evergreen to plant is one not excreding evergreen to plant is one not excceding eighteen
inches in height. One foot is a good size, unless
they are for ornamental purposes on the they are for ornamental purposes on the lawn, $\$$ pr
then they could tee much larger
In setting the evergreens in the furrow, which pe
should be decp enouph to receive should be deep enough to receive the roots in a
fan shape along the land side - fresh. loose, moist
soil, mixed with some wet creek sant soin, mixed with some wet creek sand, is the
best (the creek sand is not essential, howevirr)-
should be immediately thrown on the roots should be immediately thrown on the roots as
fast as the evergreens are placed. When all are set in the row, continue to fill in with dirt and
tramp the soil firmly on the roots, until the fur-
row is filled to crown row is filled to crown a little. Cultivate now
on each side of the rows to loosen the soil and
make a mulch. The cultivation should be kent.
un for a courle
if atock are kept awhy from them, there will be no, trouble thik two rows, eight feet apart, and planted six feet apart in the row so as to al ternate, make the best wind-breaks. Then,
would mix the varieties, such as Norway would mix the tarieties, such as Norway spruce,
white pine, Scotch pine, and any other varieties white pine, Scotch pine, and any other varietie
desired. Good wind-breaks may be made of on row, planted four or flive feet apart. From the very first such a wind-break is a thing of
beauty, and in a few years it is of great value beauty, and in a few years it is of great value
in breaking the violence of the winds and storms. I believe that the attention of the farmers should be called to this important subject more and more. of the home surroundings, but it means dollars and cents if
put his farm on the market.

## Tile Drainage.

A bulletin just issued by the New Hampshire Experiment Station, on tile drainage, says
The main object in drainage is to rid the soil but there are several other things ant growth, with the remaval of the water. The first is the water
better ventilation. All plant are drained have and when the soil spaces are filled with water there is little air there. Soils are ventilated by drainage in several different ways: First, as the soil dries out it shrinks and leaves cracks, through which the air can pass ; second, the lines of tiles hemselves form passageways through which air sure ; third, when water from a heavy rain passes off through the drains, fresh air is drawn in behind it
Tile d
Tile drainage increases the room which roots occupy, by lowering the ground water in the
soil. It also makes the soil warner, as the amount of water that comes to the surface for surplus water the amount By getting rid of the is available to the plant is increased In laying out a drainage system, the ilirst point The main drain should follow the line and direction of the lowest lying ground. The size of the area which it drains. The greater the fall the smaller may be the tile. A four-inch main is ordinarily sufficient for ten to twelve acres. For satisfactory. One danger in using sinall found it does not take much sediment to fill them up. area, and the laterals off at right center of the area, and the laterals off at right angles from
cither side, or, o,l a comparatively flat piece ground where there are no particular low-lying channels, it is better to locate it at one end or side, and place the laterals in parallel line The depth of the drains will depend upon two
conditions, viz. : The nature of the soil conditions, viz. : The nature of the soil, and the average distance of the ground water below the uriace. Four feet is usually considered deep, There is a close relation between the depth and distance apart of drains. The distance apart will depend upon the depth. The distance soil through which the water has to filter. In fine clay soil tile should not be placed deep, but
close together
In laying tile
In laying tile, it should be blegun at the outile or glazed sewer pipe, which will not be inured by freezing, and the outlet walled up with dirt, and with some sort of grating to keep out
burrowing animals. The laying of tile should ollow soon after digging laying of tile should ing connect a or T'should always be used, makend of all lines should be closed with a flat. stone or brick. The ditch may be filled cither As to the cost of drainage, the New HampState could be thoroughly drained for in the $\$ 35$ to
$\$ 40$ $\$ 40$ per acre, while many could be freatly im-
iroved by a single line, costing from $\$ 15$ to $\$ 20$
per acre

Do You Want to Sell Your Home? THE " WANT AND FOR SALE" COLUM OF THE " FARMER'S ADVOCATE AND HOME VERTISFM, IS THE PLACE FOR YOUR AD HEADING IN THES PAPER UNDER PRES ZINE ZINE, LONDON, ONT


The Bean County of Ontario. Possibly no other county in the Province of
ntario is more adapted for the growing of beans than that portion of Kent County on Lake Irie, which extern to ten miles in width. Beans are grown nearly all over the County, but the south-
rn portion is the best adapted.
The soil is a ern portion, is the best adapted. The soil is a suitable for any other farm crop, beans is the
crop depended on for a large yield and quick returns, for they are harvested in about ninety
days from the time of planting. The white bean grown in small quantities. After the soil is thoroughly prepared in spring and surface pul-
verized very finely, we sow between May 25 th and verized very inely, we sow between May 1 drills twenty-eight inches apart, requiring about forty-five pounds of beans per acre. Once harrowing with a weeder before the
plants appear, and twice between the time the plants are two days old and high enough to cul-
tivate is sufficient. Then the cultivator is put
into use. The first cultivating is the most iminto use. The first cultivating is the most imvery close to the row on each side. This stirs hill, entirely covering any very small weeds that might have been missed in harrowing the ground.
At the second and third cultivating the large
cultivator teeth are used thistles and grass not removed the first time. If his system is followed closely very little hoeing is
neeessary, unless for cutting out thistles and ragweed that might have been missed. As soon as the blossoms appear-about 35
days after planting-cultivating must cease, and beans not disturbed any more till ripe. Dis-
turbing the plants while in bloom has a tendency to break off the blossoms, hence lightening the crop. On a single stalk I have counted near-
ly 100 pods, which, when well filled, average irom five to seven beans in a pod.
Bean-harvesting begins about the 25th of Augtust, and a farmer with a good two-horse
bean-puller can cut from ten to twelve acres per bean-puller can cut from ten to twelve acres per
day, and a lad with a two-horse side-delivery rake can put the same in winrows in same time. Dry
weather is very essential in bean harvest, as it weather is very essential in bean harvest, as it
not only lessens the labor, but gives a bricht,
clossy appearance to beans, with but few damglossy app
The yield is from fifteen to thirty bushels, and in some instances, when circumstances are favorable, forty bushels per acre has been grown.
From fifteen to eighty acres is the amount
grown by each farmer : the large acreage is grown by each farmer; the large acreage is
grown by the farmers of South Harwich, but fifty acres is common, and with an average of twenty-
five bushels gives a farmer good returns. The
Targest amount of beans grown by one farmer largest amount of beans grown by one farmer
in South Harwich last year was 2,000 bushels, in South Harwich last year was 2,000 bushels,
and as the highest price paid was 81.60 per
hushel, those farmers with large yiclds and top nushel, those armers with arge yicids and oop returns for their summer's
prices receive good
labor. The estimated yield of beans in Kent Co. in 1904 was nearly three million bushels.
Kent Co., Ont. DOUGLAS CAMPBELL.

Germinating Condition of Various Weed Seeds.
Whoever is disposed to marvel at the apparently
spontaneous manner in which weeds spring up in what spontaneous manner in which weeds spring up in what
were supposed to be clean-cultivated fields. will underwere supposed
stand the phenomenon more easilty when he knows the
conditions under which various seeds germinate, and the length of time some of them may remain in the ground without being spoiled. In this connection a summary of the conclusions arrived at by the North Dakota Ex-
periment Station, and published in Bulletin 62, may shed some lifht:
" First-Shepherd's purse. tumbling mustard and peppergrass will not ordinarily come up through two
inches of soil. That is, they will not germinate that year, if buried deeper than two inches in soil such as
that of the experiment station, which is described as chat of the experiment station, which is described as
black alluvial loam. ". Second-Stinkweed comes up abundantly through
one inch, unwillingly through two, and not at all through three.
May Third-Green and yellow foxtail germinate about May ist in the fathtude of North Dakota,
germinate lis the fall from seed gathered that season.
"Fourth-Wild mustard seed buried five inches deep best through one inch of soil.
" Fifth-wild mustard and stink weed will not be preserved in the soin for a period of years unless burbed
deeper than three inches. deeper than three inches. planted two or three inches deep than one inch, but
will not grow through five inches of soil.
". Seventh-wild buckwheat comes up readily through one, two, or three inches of soll, but was found to be
entirely dead when buried twenty months entirely dead when buried twenty months.
". Eighth-Wild oats will come up through five inches of soll, were practically dead when buried twenty
months, and entirely dead when buried filty-six months
weed were practically dead when buried six months,
while wild mustard and stink weed buried that perlod.
reath-The deeper-buried seeds were better pre The seeds for these experiments were sown October 17th, 1899, and under as nearly as possible norma
soil conditions ; but few of them germinated the same year they were grown ; in fact, none except wild mus-
terd. The following interesting particulars were glven pod out of doors are usually dead by spring, but it plowed under with green pods, it will ripen its seeds much sooner than when left above ground. It ripens its
seed in seventy-seven days from sowing, and in thirty seed in seventy-seven days from sowing, and in thirts
four days from the time of blooming. A well-prepared seed-bed in the spring is the greatest foe to stinkweed and other winter annuals
It appears from the abo
It appears from the above that deep covering of a
number of these seeds, such as shepherd's purse, green number of these seeds, such as shepherd'a purse, greem
foxtain, horseweed, and wild oats, would practically destroy them in a three-year rotation.

## DAIRY

## Uniform Marked Weights of Batter.

 received from representative bodies and leading butter merchants in Great Britain, concerningthe matter of a uniform weight of butter in what is intended to be the 56 -pound box. It is stated that boxes are frequently marked 57, 58 and even 60 pounds. It is not claiined that these
boxes contain less than the marked weights any more than those which are marked 56 pounds; the objection is against having any more or less than 56 pounds in each package. The butter-
makers of New Zoaland, Australia and Argentine are very careful on this point, and the uniformity in therr weights is much appreciated by the trade. The 56-pound package was adopted be cause it represents half, an English cwt. If any
other weight is marked, and invoiced, the advan tages of having such a standard are lost. The
butter merchants in Great Britain are as much butter merchants in Great Britain are as much
influenced by a matter of this kind as they are by the quality of the butter itself. New Realand butter is receiving a premium over Canadian
to-day more on account of its uniformity in all loday more on account of its uniformity in an
respects, the excellent packages and heavy parchment paper which is used, and the careful attention which is given to weighing and branding,
than because the quality is superior. It is penal offence in New Zealand lo place any other penal offence in New Zealand co place any other
than the true net weight on a package of butter or cheese.
Every butter-box should be weighed after the Every butter-box should be weighed arter the
parchment lining is placed therein, the tare marked on it, and then fured with the proper pounds. $\quad$ J. A. RUDDICK, Dairy out ${ }^{56}$

## Thirty-day Cow Test.

Following up the work of tast year, the Dairy DiviFollowing up the work of last year, the Dairy Divi-
sion of the Department of Agriculture is preparing to
conduct teats of the milk production of individual co conduct tests of the milk production of individual cows
at eight different centers in Canada.
It will be remembered that the tests at Cowansville, Que., last year
were made regarding milk production and richness of milk, and the returns made to the farmers showed the
exact value each cow was yielding, and, consequently whether the animal was a profitable one in the herd. Mr. J. A. Ruddick, Dominion Diary Cammissioner, has arranged for. the tests this year at the following places:
Ontario.-Black Creek cheese factory, Perth ; North oxford factory, near Ingersoll ; Mountain View, Prince Edward County; Mallorytown factory.
Quebec.-Huntingdon, and two other places yet to be selected.
New Brunswick. $-J$ acksonville.

## New Brunswick.-Jacksonville. Nova Scotia.-Scotsburn, Pictou Co Prince Edward Island.-Kensington.

## Prince Edward Island. - Kensington. These tests, as last year, will

These tests, as last year, will extend over thirty the Dairy Division. In order to factitate the sending olies the farmers with proper bottles, which are labellod and ruled for the number of the animal and the name of the farm. The tests conducted last year were very
successful and greatly appreciated by the farmers in the iccessful and greatly appreciated by the farmers in the
in Cowansville. They enabled the farmers to ell which of their cows were paying and which were not. It is intended that the series of circuits arranged or this year shall have an educative value, and induce
he farmers to take up the work on their own account.
By an order-in-council recently passed, the importaion of the straight spring scales into Canada is no
longer prohibited, provided they are not used for trade purposes. The straight spring scale is used exten-
sively by dairymen, who keep an individual record of sively by dairymen, who keep an individual record of
the millk production of their cows, but in the past they have been very difficult to obtain, owing to the fact that they were prohibited from belng importod into the country The circular spring scates is also very con-
venient for weighing milk, but their cost puts them be
yond the reach of the ordirary farmer. The order-in-
council recently passed was the result of Vigoroung asita-
tion by Dairy Commissioner Ruddick, whose work in his connection will be duly appreciated by the dairy.

Dairy Season Prospects.
So far as can be seen at the present time, everything points to a very favorable season for
the dairyman in'1905. Old stocks of butter and cheese were possibly never so low in the dairy markets of the world, and production up to the present, for various causes, has been very small. The pastures are now in excellent condition, everything points to a year of good returns for the dairy farmer
The various organizations for promoting dairying were never so completely systematized nor
so well manned as at present. We are looking for good results from the systematic campaign of instruction and help now in full swing. Eyerydairying. Factorymen are improving their factories; dairy boards of trade are starting out
with amended rules; the buyers of dairy productis are wearing a satisfled smile as the result of large demand, good priees and fair profte. It with the procession. Individual effort is needed as well as organized effort
the dairy industry from the chief weaknesses of are: 1.-Not enough return in some veasonis for lablor and capital expended. During a great for butter and cheese did not pay the man who milked the cows, and he grew discouraged. would seem as if there should be some way to prevent these discouraging seasons. The chiter cause is doubtless speculation. How to proven
this is a subject well worth the attention of
political economists. political economists. 2.-Hack of paying cows. and maintsin a herd of first-class cows, some at lowance must be made for the man who millke some poor cows. But one of the greatest hindances to the securrig or or cows in the lacle. There is altogether too much "hit and miss " in The methods of pure-bred sires and the sticking to one breed, rather than mixing the breeds, are the two main requisites for success in establifhing proper reward ${ }^{2}$ dairy herd. 3.-Lack of weakness from the viewpoint of the dairy tarmer. We will find the same price being pald tor true value. As a result of this, many of the
the best and most progressive patrons of our facmilk up at leaving the factory and making the to the city. home or are selling nillk and cream like Toronto flo donsequence, wiry budter marken often sells for a price that can leave Hetle or tho proft for the farmer; yet he considers this bel tories. Grading of cream at creameries, and ter value, are steps acding to its cheese or butfactory owners, in ordor to give justice to al and to retain the patronage of the best farmers.
The farmer who takes good care of his mill and cream by cooling it and delivoring it to the creamery or cheese factory, in good physical conlabor. He then argues that it does not pey him to do this, as he receivess no more for his
share of the finished product than does his neigh bor who takes litule or no care of his raw maand regardless of quality. This is manifestly unfair, and retards linprovement, in Canadian do be the remeds for this.
to be the remedy for this.
Incidentellity the patro
creameries can produce a better cream-collecting by using the produce a better quality of cream cream after separating. The present would seem to be a favorable time to purchase separators, as the various companies have a rate third. The labor pr dairy farmers. Espocially, is the milking of cows a serious question. We had hoped to have at the College before the excursions began in disappointed looks now as though we should be to get the machine is maling somo improvement ave apparatus, which they do not expect to have completed for some time yet. We feel
confident, however, that a practical milking machine will be placed on the market in the should not grow discouraged, as dairying is and will continue to be the best paying Eranch of agriculture throughout a term of years. D. H. DEAN.

THE FARMER'S ADVOCATE.

A Cheese Experiment.
In order to obtain tivio cheese to illustrate the dif June excursionists, all the cans of milk delivered a
Jun Uhe Dairy Department of the College on the morning o
June 3rd were "tested for fat. The cans testing the lowest were put in one group, and those testing the dent milk to make up one vat of woo pounds testing 3.3 per cent. fat, and in another vat was put 360 ths inili toeting 4.6-a diference of 1.3 per conte fat in the
two vats of milk. The two vats were made into cheese in the usual way. Vat "a," containing the rich milk produced 38.5 liss. green cheese, and vat " B," 27.63 lbs, or a difference of nearly 6 lbs . of cheese. Yet w find people, who will argue that rich. milk will
more cheose than will average or poor milk. no these than whi average or por milk.
In the case of the rich milk it requirtd 8.95 lbs milk for one pound of cheese. The other vat took
$10,85 \mathrm{lbs}$ milk for a pound of cheese. Valuing chees 10,85 lbs. milk for a pound of cheese. Valuing cheess
at 9 cents per pound, the rioh milk was worth 100.5 at 9 cents per pound, the rich milk was worth 100.5
cents per 100 pounds, and the poorer milk 82.89 cents, difference of about 17 jl c. per 100 lbs . milk in favo of the richer milk. If the milk were mixed toget he and the monioy from the cheese were "pooled" or dinded according the majority of factories, each patron would receive
in the man mor the 300 lbs. delivered. If the value of the
$\$ 2.75$ for 3.75 for the 306 lbs . delivered. If the value of the milk were pooled or divided naccording to the fat divided according to the per cent. fat, plus 2, A receive $\$ 3.05$ and $\mathbf{B} \$ 2.45$. The actual cheese value of the $\mathbf{t w o}$ lots of mill were $\$ 3.01$ and $\$ 2.49$. Dividing
according to the weight of milk, A loses 26 cents and according to the weight of milk, A loses 26 cents an
$B$ gains 26 cents, or about $8 \ddagger \mathrm{j}$. per 100 pounds. Ac cording to the fat basis, A gains. 19 cents and B lose 19 cents, or 6 1-8 cents per 100 pounds. According od the per cent. fat, plus 2, A gains 4 cents and B
omes 4 cents, or this system gives the actual chees vetio of the mill within $111-8$ cents per 100 pounds till giving a slight promium to the richer milk.
After the larger problem of securing an improved
Dhysical and bacteriological quality of -milk for our oheese factories is settled, and we are in a fair way to secure this in the near future, we look for a revival o interest in the question of a proper division of pro ceeds amodig patrons of Canadian cheeseries. We fee
confldent that the system of adding two to the per centage of fat comes nearest to justice of any simple system yet devised.
The following table gives the main points of the ex pertment in concise form, and is worth considering by
patrons and managers of factories. The cheese may be seen at the dairy of the College by all visitors in June


Cows a Fortnight Late in Reaching Full Mr. Geo. H. Barr, Secretary and Chief In-
structor of the Western Ontario Dairymen's As structarion, said, recently, to a representative of
the "Farmer's Advocate ", that the rows in most parts this season were nearly two ueeks late in
getting up to full milk flow. He attriluted this ot the scarcity of feed last winter, which was responsible for the cows coming out in this con-
dition. The number of cous milking, he esti-
mated as about the same as lasit year, though mated as about the same as lasit year, though In some cases production has doubtless been de-
creased hy the high price of buter. which has
also. Mr. Farr thought. induced some creamers patrons to wahe thriit butter at home it hineing

## Dairy Ccws for Japan



## Ice-cream Making at Creameries.

aking in the creamery business is being proved lucrative by the growing demand for ice cream during the hot weather. Already, it appears, several extensive ncss as a side line, and are well satisfied with results. As a rule, a ready market has been found, in some ases in the towns and villages in the immediate neigh bothood of the creameries; in others-by using a first fass packing system-as far as 200 miles away. the vicinity of some of the largest cities, however, has been found necessary to work placas even the ice rean trade has come undor the domination of "trusto," That it has been possible to work up a demand in the tave of such competition has been due to the superior qua ity of the creamery article, as, with all of the
necossary " goods" at hand, and opportunities for keeping them in the best possible condition, the creameries none. Only pure cream has been used, not mixtures of
not milk and cornstarch, such as is too often found $\xrightarrow{\text { lages. }}$ W. Culberston, of making, Ice cream, given by Mr. on ice-cream making, is as follows. ". The first thing we do is to scald and rinse thin
mixing and packing cans, freezer and utensils in pure clean water. We use good pasteurized cream, of about 25 per cent. butter-fat. Good cream make kind so much desired by the connoisseurs, and it increases our trade. memory of quality lasts long after the price is forgot-
ten,' is true of luxurises. Cream that is over one day ten, is true of tuxuries. and not grainy, and hence will
ord will freeer up flufy, and
give a larger yield. Gelatin and cornstarch will not compensate for the absence of pure cream, although they
can be used in thin cream with 'good resulta.
"I cannot give any definite rule, as different flavorings vary, but to each gallon of cream it if pounds granulated sugar is about the proportion used, making it rather sweet, as the freezing deadens the sense of
taste to some extent. We use the best flavoring extracts obtainable.
 the sugar over them and let them stand for an hour or
two for the sugar to dissolve, them we squeeze thrm two for the sugar to dissolve, thea we squese a and
through a chcose cloth, which takes out the seeds and
gives a rich, smooth body to the cream. We use a gives a rich, smooth body to the cream. We use a
gallon of berries to one of cream. A few choice whole gallon of berrics to one of cream. A few choice whole
berries are generally put into the cream. We always
atrain the mixtures into the freezing can, allowing strain the mixturas into the freezing can, allowing
about ome half of the space for the " swell ", of the
cream. ". Good results are obtained by having the ice
crushed uniformly fine, mixing the salt evenly and using one part of rock salt to about three parts of ice. The mixture should be thoroughly chilled before starting the
freejer, or it may become churned enough to spoil the freever, or it may become churned enough to speil the
toody of the cream. When chilled we run the freezer at a medium speed, increasing it rather fast toward the
last of the freezing, and the cream will be light. last of the freezing, and the cream to stop the
feathery and swell in bulk. It is best to sto
freezer as soon ns the ice cream begins to roll up on freezer as soon ns the ice cream begins to roll up on
the stirrer, for if the freezing is carried too tar it be
comes granular and the cream is spoiled. Never stop cones granular and the cream is spoiled. Never stop
the freezer under any circumstances alter it is onco
started until the cream is frozen. started until the cream is frozen. A little cold water
thrown around the freezer can allows it to empty with-
out waste into the packing cans, as it is warmer than out waste into the packing cans, as it is warmer han
the cream and will not injure the glass as when hot
water is used. "Ice cream that has stood an hour or two will
harden, ripa and blend into a perfert while, and is
more, dosirable, but it should not be kepit long heforo harden, ripchand andend inta a perfert whole, and
more desirable, but it should not be kept long hefore
use or it will not have that light. flumy appearance of the freshly-frozen cream preferred by the connoisseur, of "Steel cans, porcclain lined, are used for packin-
these having a tight cover fiting ourer the outside
the can. Wee set them insidn of the can. We set them inside of the eedar packing tub
with enough salt mixed with the i-e so that the ic rream will not get too firm, we melt and bo ruinwl.
Blankets and burlaps are used to cover the packiniz
tubs of cream. " When the freczes, mixing and parking cans are
empty we thoroughly wash and stram them.
 in perfoct condition." In closing, it must be said that in er remm making, ns in all other manufactures, some practicy is necessary
for the production of a choice artille. In most cases toach the business rather than to trust whilly

IF YOU HAVE A FARM FOR SALE OR MENT UNDER THE HEADING OF "' WANT AN FOR SALE" TN THE "FARMER'S ADVO cate.

## POULTRY

## Mixing Breeds.

## the Editor . Farmer's Advocate

One of the commonest mistakes made by poultry-raisers arises from the widcspread belic that mixed chickens lay better than pure-bre fowls. This fallacy is the worse because grows out of a truth. It is true that frequently bred withs two breeds, each of which has becn bred with egg production uppermost in the mind of the breeder, and they chance to nick so that both spring inherits the laying tendency fiom breed- parents, the cross will lay more than cither pullets but if one breeds from these crosses tho first crose one would have to keep two breeds pure, and raise his layers by a fresh cross each year
But the most important fact which is ove requires more knowledge of breeding to produce prolifice crosses than to raise pure stock, for everything depends upon how the breeds that ar crossed will nick. It is a well-known fact that when two animals arc mated which have bee bred in different lines for generations, the of
spring receives the characteristics of both parent but has them mixed up sometimes in a grotesph way. When a very large, well-built stallion is bred to a neat little pony, in the hope of pro ducing his father's large head and his mother's littl body, or his father's heavy legs attached to hi mother's light body. Again, after two breed. have been breeding uniformaly for generations, it
they are crossed, the offipring may revert, to earlier types, while occasionally may two well-bred lines will combine the good qualities of buth; in such a case they are said to nick. Among fowls
the breeds which will nick are much loss numerous than those which will not, and though it is pos sible ta produce a good layer by crossing, it is
useless to expect to do it useless to expect to do it by accident, and none
should attempt it without a wide knowledge of should attempt without a wide knowledge of than cither parcent, some do not lay so well as cither, and these are the more numerous class. flock, to improve the laying by an infusion of new blood, are the sons of poor-laying hens, and mus reduce the laying qualities instead of improving them. If one were going into dairying, the first would be whether he was from a good milking
strain or not, and the first thing one should know about a cock is whether or no he is from
a laying strain, if eggs are wanted who understands crossing niay profit by it, but the average poultry-raiser will do better with a
straight-laying breeds. straight-laying breeds. It is well to remember than others, and if they can be obtained bette sonable prices, cockerels from a bred-to-lay strailn, in which the recor d of each hen is kept, will mor lots, besides raising the laying qualities of the nock every year
Debating this
lay of science we beliere in of no use. In this hens who raises mixed chickens buy a half dozin distinguish-say Wyandottes of a strain known white ones. Let him keep count ins which. lay and see how many the six average, and keep ac mixed hens averave. Tr.i. wan who tries the ex-

## Give the Chicks Attention.

## ather, in order to should be given Bow, during warm

 If we would have heavy producers next winter we must annot expect pmolific layers if the pullets are only hallarnun. Not only ample feed is necessary, but it should hin given in such a manner as to induce as much or anderpuate digestive capacity, and beacets that of Prame (ssential to good laying qualities.
$\qquad$
 The fram vermin. they cannot remain so long under
This. conditions. Clean out often, sprinkle with lime
and supply fresh litter or remove to fresh pround. Invthing and eversthing necessary to keep their hom.s Ircsh, sweent and comfortable. We cannot have profit Wunts of the little chicks, and in return they will My our tables with the best quality of prultry
eggs in abundance.

The Color of Pure-bred Chicks. Several amusing incidents have come under my seervation that a beginner who has sent for his first settimg of pure-bred eggs expects that if the grown fowls are to be clear black or pure white, that the chicks will be of the same color. One party wrote a very insulting letter to a friend of mine because the chicks hatched
from Black Orpington eggs which he had purchased were not pure black. A good Black Orpington chick is never black all over. The upper part of the body is usuall black, and the under part all over will develop into a fowl of dead
black. One which shows ught spots is better. Another party who bought a setting of white Ply mouth Rock eggs, of a good laying strain, on miy recommendation, was very much put ous White the chick wa came out smom sports of the Barred Rock, the chick are marked in the same way in both varlieties, except that the dark spots of the White are not so pronounced and are gray rather than black. Chicks, color from ther young animals, are oiren becoming grown. Don' that which they the man who solls you the eggs unless
find fault with the
you are sure that you know how the chicks should look.
W. I. T.

## Put Down the Eggs for Winter Use.

Now is the time to put by the eggs for next winter time.

The first move to make in the preservation of eggs winter use is to remove all the males from the laying flock at least ten days previous to the start in collecting eggs to preserve. Egge should be the hhells be not soiled. The best preservative is waterglass silicate of soda), a subsla, is used at the rate of ompe
consistemcy. The waterglass is consistency. The waterglass is used at the solution being placed in tub in which the egge are immersed. The O. A. C. (Guelph) experiments showed that it No more oggs dozen to proserve the solution than can be covered It is coneldered adrisable to boil the water and allow t to cool before mixing with the waterglass. The
lime water method is as follows : Take 15 libs. salt, lime water method is as follows of tartar, end water $\$$ bushel fresh lime, thb. cream of tartar, and wat the water and salt ; stir well. Dissolve the erfema od star tar in a little water, and add to sthe wholis) the delea well. Let the solution st entilest putt the egelf in. Hos, beimf liquid into a cask will covered, at least 1 il ininchos dpelon
sure they are all well the surface.

The Twor nemiso gin contest
there fs a


 It clearly dem rayerfit the strali fin "of "norb mportance than tie bred d dit that those wh
 ored for year





whose pens are in the lead are the best and old
st breeders. If there is any doubt as to this est breeders. If there is any doubt as to this
matter in anyone's mind, a careful study of the contest could not fail to conviuce him that a hen's laying qualities do not depend upon heed, but upon her breeder. it is the man behind the hell. To lay well, a hen must have a long, unbroken line of great layers on the female side of her pedigree, and as long a line of sons of great layers on the Just here is where the greatest
made in breeding layers by some breeders. Many a person will think it wise to mate a Leghorn cock to large hens, in order to get pullets which
will lay better than their mothers, showing that they recognize the influence of the cock on the laying qualities of his pullets, but when they
come to breeding pure-bred stock they entirely come to breeding pure-bred stock they entirely
overlook the fact that the pulleta from a Wyandotte or Plymouth cock of a bred-to-lay strain, and those from a Leghorn cock of a bred-to-lay strain, will run so crose to say which will win, while those from a Leghorn cock of a poor-laying strain will lay much less than either of the others. A great many seem fo think or strain,
makes no difference about the family so long as they have a Wyandotte, plymouth or Leghorn cock, or one from some variety with a laying reputation. a coch persons should soon be laying contest for a time. They walities in the ancestry of their male birds.
An interesting point in this connection is that the State Experiment Station of Maine has suc
ceeded in breeding Brahmas which will average 160 eggs a year. Those who believe that the profit in poultry depends upon the number of is a difference in breeds, the thing of greatest importance is to know the breeding of one' stock and to breed from laying strains only. IT.

Poultrymen vs. Poultr

## omen in Commercial Rodides that

 gives various reasons, mot of Which are, no Woubt, just as true in this cound show what they an do in poultryhaldsag glantibot some assistance rom the men in arranging mpaper , huildings, andttending to such details as cleaning the pens etc. There is no busier person in this countr than the average wapman nors the farm.


 for when it comes to making and repairing coops,

 My wife is a pertect failure whon enough and big epgugh to pury , dead, hen in, hyt when ; it cpmes
 Hico.
 Women are naturally more gentle in disposi-
tion, and for that reasor are better fitted to look after the hens. ozinamidher niman them before fighting a woumen. Man gent of chigks or, injure themselves: while a map, will let, thhamp, fight, it chicks in the barnyard. If a man wquld, conclude to separate two belligerent hens, he would throw

GARDEN AND ORCHARD.

## A Second Crop Vegetable.

A proper rotation of cropis is necessary if successful results the to be expected, and in most cases it is the of cropping the gavten. Ahter the eardy
or lettuce the land can produce a second or lettuce the
of turnips, that are more tend than if seed is sown earlier in the season. The ground ieeing in good heart, seed can be sown in shallow drills, twelve inches apart, and thiuned out as soon as they are large enough. If wrathor hot the black fly is likely to discover the young plants as soon as lhey in check by a sprinkling leaves, but can be kopt ind sulphur. Too(d)ittle with unleace is attached to deep cultur by mport or py plow, in the vegetable .forden, and ging, or py plow, has proved a sad drawback to theo success gi most of the roots in the crisprusssmmoriued by quick growth. Soils differifand, itnvequires some knowledge to get the "nost ournopothe lan vithout being any detrindelt to toytitid
The more rapidly the, turnj, ip gryw tha bet-




 as a missile for we find in the reytrowives








## 

Potato Night, arval orr iA
Imithe majorits not quopleq theregiliate instinct
catered to
dency. ato t maker pnai 'aqueemit' benochety riliritable
morbidy ivene odicolvediot one seldomarinds an
case may be rue angles and doveldfotion six mpie
thes: "Cranted the thehis mintre, then of time
ment, and should be oncouragedndefonvery rural
communitura Appopob robithis quastionactiec at on-
chuse grange' 'presontted ito, dianyy yofith ther niembers a
seed potato " 60 Ebe quante ans oberved "pgtato
hibited in the, fall. atpirhen thesi obsiver the hall
$\begin{aligned} & \text { wotato-raising were read, followed, py and to the } \\ & \text { pion of the subject. Arize wat }\end{aligned}$
madé "a dalaty " Hinch".
sugges " potato" or some other line "fot tiole
conting sumnuery land reumiontlit tipyrdmich (approfit
and"pledsure rmay' 'sb atvastitudeunly neombi

The Logic of Spraying
 a' ${ }^{2}$ dethod chards to protect the "Yirut orom parffet injurious




 in early spring.-rinn.tamenalion

Koy to Fungous Diseases of Some Common Fruits.
In his 1904 annual report, Prof. Lochhead arofessor of Biology, o. A. Concise and useful key to the various fungous diseases which attack some of our common classes of fruits. For its value as a reference, reprint the part dealing with th
some of the more common fruits :

FUNGOUS DISEASES OF THE APPLE
The Roots:
(a) Enlargements near the ground, mainly
on mursery stock.
Crown Gall on nursery stock.
drophagus globosus)
B. Stems and Twigs :-
(a) Irregular or somewhat concentric open wounds, the barik being first destroyed.
Apple-Tree Cankers (Nectria ditissima), Apple-Tree Cankers (Nectria ditissima),
(Spheeropis malorum) and (Glomerella rufomaculans).
(b) Ba inner bark and cambium layer brown; the Tree hark appearance of being scorched Twig Blight (Bacillus amylovorus).
(a) Small, roundish, smoky-greenish spots appear on upper surface which soon run
together, forming irregular,
blackish blotches. Apple Scal (Fusicladium den-
(b) Writicum) (Venturia inaequalis)
b) White patches appear on both surfaces of young leaves and run together, form-
ing a white felt. Powdery Mildew (Podosphaera oxyacanthae).
c) Leaves become blistered, with orangx
yellow spots on upper surface and scurf bunches on the lower. Leaves may be come tistorted. Apple Rust (Gyinno porangium macropus)
D. Fruit :- (a) Minute spots appear on half-grown apple gradually enlarging, and running togeth er, forming irregular patches. Black
points often in concentric circles form on the patches. Ripe or Bitter Rot (Gloeosporium fructigenum) (Glomerella rufo maculåns)
(b) Scabby patches appear on fruit. Apple turia inaequalis)
(c) Sooty patches, accompanied by specks appear on the fruit. Sooty or
speck Fungus (Leptothyrium pomi) fungous diseases of brambles.
The Leaves:-
(a) Orange-red patches on the under surface of the leaves, farming a sort of waxy layer of oramge-red spores. Orange Rust (Ceroma
(b) Light-colored, pawder-like coarse dust face. Leaf Rusts (Phragmidium rubi and P. Rubiidæi).
(c) At first small reddish spots, increasing in size and forming irregular areas, gray
in center and red on the margin. Anthracnose (Gloeosporium venctum).
(d) Small brown or light-colored spots Lea spots (Septoria rubi and Cylindrospor St
B. The Stem :
(a) At first small reddish spots on young regular areas, gray in the center, red on
the margin. Anthracnose (Gloeosporium
(b) The canes suddenly wilt about fruit ripening time, the bark and wood of cane
ate some points are discolored. at some points are discolored
Blight (Coniothyrium rubi).
(c! Stunted growth, mottled yellowish-greer
(d) Rough, warty knots on cance, with Rough, warty knots on canes, with
emall whitish eruptions surrounding the
central knot, not common. Cane Knot. The Roots

Rough, knotty growth on the roots, granular, and becoming dark when old
Crown Gall (Dendrophagus globosus). FUNGUS OF THE GHOSELLES
Leaves
Cabweb-like patchers first appear, later
minute dark-brown bodies on the minute dark-brown bodies on the leales
of Goaseberry-usually worst on English varieties. Gooseberry Mildew (Sphero-
theca morsuvem). theca morsuvæ).
(b) Dull brown spots appear in June and whieh turn yellow and fall. Anthracnose (Glocosporium ribis).
(c) The leaves have a brown spotted appearance, and falis).
(Septoria ribis)
(d) The presence of yellow " cluster-cups Aecidium grossularime).
anes and Shoots:-
Gooseberry cor of young shoots of patches. Gooseberry Mildew (Spherrothorsuva
(b) Leaves of Currant wilt, alor and fall fruit cluster shrivel and fall; the canes die rapidly. Pink tubercles of a fungus
appear on dead canes. Currant Tubercle appear on dead canes. Currant Tubercle
(Tubercularia vulgaris) (Tubercularia vulgaris)
of Nectria cinnabarina. Fruit :-
(a) Cobweb-like patches occur on the fruit of goose
morsuve)
(b) Yellow blisters (Cluster-cups). Goooseberry

Cluster-Cup (Aecidium grossulariæ) NEWS OF THE DAY.


Admiral Birileff.
A pointed to command of the defences at Mladivo tok.
Canadian.
The Ontario Bureau of Mines is sending out several parties who will make a systematic exploration of New
Ontario, with a view to finding out its wealth in minerals.
A resolution approving
of the appaim
Minister of Health has been passed by the Ontario
Mipeg, est C. Castlé, Warehouse Commissioner at wiu
Canadian West the total acreage under all crops in the proximated $4,500,000$, so that this year will show apncrease of over $1,000,600$ acres
British and Foreign.
By an earthquake at Scutari, Albania, 500 people
ave been killed and 250 injured. The town was al-
 every second step. The procession was formed in the

Crown Prince Frederick William of Germany and His Bride.
ing of the war, has been raised by the Japanese, and
ill add another unit to Japan's growing navy.
Owing to his disagreement with the rest of the Cabinet over the Moroccan question, M. Delca
esigned as French Minister of Foreign Affairs.

A bomb factory has been discovered at the Phomi, foundry in St. Petersburg, and many people were im-

Submarine boat "A-8" was lost off the breakwater at Plymouthe, England, on June 8th, and fourteen of her crew were drowned. An explosion on board was the accident.
In the bringing about of a possible peace between Japan and Russia, which seems to be assuming deffinite
form at last, the United States of America is taking a Iorm at last, the United States of America is taking a
creditable part. A note from President Roosevelt bearing upon the subject was despatched on June 8th to the Japanese and Russian Governments, with the suggestion that peace negotiations be carried on directly between the two nations without the mediation of any
other nation. Upon reeeiving it Japan and Russia hoth other nation.
signified their willingness $t_{0}$ appoint representatives to confer as to the matter, Russia choosing Paris as the place at which the negotiations might be conducted.
Whethar the war will close or not will Whethrr the war will close or not will depend on
whether the conditions offered by Japan will be such whether tan concept. For the present it is understood
Russia can accept. that a formal truce will be proclaimed as soon as the
place of meeting of the plenipotentiaries has bern decided -
The strained relations which have so long existed hetwcen Norway and Sweden have at last come to a her declaration that King Oscar is no longer Kiny an Norway, but of Sweden alone. Ever since the consum-
mation to the in the Union in 1814, differences have arisen as continually felt that her constitututional and Norway has dependence were being interfored with. The fact th Sweden is protectionist, while Norway is for free trade, has still further tended to widen the breach. The im mediate cause of the present quarrel, however, is a dis-
agreement over the cossular system agreement over the consular system, Norway having
asked for a separate consular service, which would, of
course, entail a Norwegian course, entail a Norwegian Minister for Foreign Affiars,
and leave the person of King Oscar the only remaining bond of union. King Oscar refused to only remaining
mand, and the the dors. mand, and the Storthing immediately to grassed a the de-
tion deposiupresent a State Council is conducting the Gs. For the but the probabilities are that the throne with ternment, to Prince Waldemar, third son of King will be offered ,

Wedding of the German Crown Prince. riage of Frederick William, Crown Prince of Germany
with Cecilia. Duchess of Weckiter with Cecilia, Duchess of Mecklenburg-Schwerin, which terizes a European royal wedding, and all the charaint ness that clings to the wespecially German ceremony The welding took place June 6th, but the Duchess entered Berlin on June 3rd, arriving in the morning. In
the afternoon the elaborate procession which and the afternoon the elaborate procession which always
Characterizes the advent of a future Empresh paraded the streets of the city. An hour before it set out the Crown Prince, according to traditionary custom, led hif the continuous cheering by saluting with his sword at ollowing order: First, procession was formed in the

ecedent established since
$1666)$, on e hundred
1666), one hundred
master
butchers in
evening suits $\left.\begin{array}{c}\text { and } \\ \text { opera } \\ \text { hats : } \\ \text { next }\end{array}\right]$ squadron of First Dratoons of the Guard, in
blue tunics and black
helmeto helmets; $\quad$ twenty
mounted
trumpeters three six-horse carri-
ayes, driven by pos-
tilions and tilions and occupied by
the Gentlemen-in-waiting of the Empress Princess fure
Pron
ron
Crown
 Guard in white tunics
and golden helmets
topped topped with eagles;
the eighthorse court
carriage carriage (made in
1793). surrounded by
grooms in surlet grooms in scarlet and
gold, and occupied hy
the Fmer the Emptens, the
Duchess Cecilia and the Duchess Cecilia and the
two first ladies of the
Court ; the rest Court ; the rest of the other six-horse carri-
ages, containing the

JUNE 15, 1905

A. W. Mason, B. S. A.

Cadies-in-waiting of the Court, and
adesinn of the ail a squad Through streets gaily decorated with ropes of everreens and flowers, Hags, and the red, yellow and purple of Mochlenburg showng evorywhere among the Qerpassed with his brilant cortege went on until it had and the daughter of the chief burgomaster hundred maids of honor dressed in white, presented he Duchess with a bouquet of roses. Then the chief Kuns fired a salute, and the procession went twenty-four guns fired a salute, and the procession went on to the
Palace, where the marriage contract was signed. On the following day the marriage took place quietly, in the Chapel of the Palace, in the presence of four hundred spectators, among whom were Sovereigns and representatives from every court in Eurape. The Duchess wore a marvellous gown, with an embroidered train in pink and silver, fourteen feet long and six feet wide, and the Crown Prince appeared in the uniform of the irst Foot-guards.
The Prince, who is only twenty-three years of age, disposition, though displaying a little of his father's tubbornness at times. He is a graduate of the University of Bonn, and is an excellent soldier and an exvert rider. One of his boyhood pranks was to enter and win a race over the most dangerous steeplechase
in Germany. His training for his future office of Emn Germany. His training for his future office of Em-
peror has been most exacting, and he is said to be thoroughly imbued with his father's policy regarding Other European nations. The Duchess is but oighteen ears of age, accomplished and attractive, and is, like
her young husband, a grandchild of Frederick Willlam iII. of Prussia. The marriage, although at first frowned upon by the Imperial family, on account of its straincd relations with the Duchess' mother, is very pleasing to the people of Germany.
If you have a farm for sale or WANT A SITUATION, PUT AN ADVERTISEMENT UNDER THE HEADING OF " WANT AND CATES.e. ATTE.

THE FARMER'S ADVOCATE.

arry G. Bell, B. S. A.

N. A. Rudolf, B. S. A.


John Evens, B. S. A.

The Guelph Horse Show. Best in its history " is the verdict on the third hual open-air horse show, held in Guelph, Ont., June 8th, 9th and 10th. Advertised to commence on the 7 th, the show was postponed a day on account of rain, ortunately, as it turned out, for the two succeeding
days were beautiful and contributed to a recond attenddays were beautiful and contributed to a recond attend-
nce on the opening day, and a larger increase on the second, so that in spite of drizzly woether un the third the total gate receipts were ahead of last year, and the Onancial statement is expected to be better by at lenat
a coaple of hundred dollars. The directors are enouraged by the general interest that hae been awakened. particularly amongst tho farmors, and antfcipate right future for the show.
The institution is run by a Horse Show. Association, organized by several of the enterprising celtizens of Guelph. It is supported by private subscription, supplemented by a grant of $\$ 250$ from the city, a simitar amount from the Provincial Government, and a mall
sum from one of the nefghtoring township counctls. The sum from one of the netghboring township counclis. The
names of the executive are a guarantee of the management. They include, President, E. Lockwood; Vioelox. Stewart, and Treasurer, Dr. J. R. Dryden. The Aux. Stowart, and Treasurer, Dr. J. R. Dryden. The house, of Weston, Ont.
One of the aims of the assoctation to in the breeding of horses in the neighborhood, as shown by the offering of prizes for roadsteri, to be competed for severally by each of the elght nelghboring town-
ships. Guelph district has long been enmous ships. Guelph district has long been famous for fts
cattle and sheep, and although not by any means belk cattle and shoep, and although not by any means backward in horse-breeding, it is hoped to nitimulate a further interest in this branch of husbapdry. It is worth noting that the two famous jumpers, Pearl and
Senator, owned by E. H. Weatherbee, New York, wore Among tho prominent professional exhbitors, we were pleased to notice quite a good repreventation of rizelist, though harse owners forblds publication of the may be mentioned. In single drafts, sirat and third
went to D . Mekinne went to D. McKinnon, Coningsby; second to Jas. A. Watson, Eden Mills ; fourth to E. N. Mara; Clandomoye. In pairs, heavy draft, Mara stood second to $\mathbf{D}$.
McKinnon, Coningsby ; third and fourth going re pectively to James A. Watson, Eden Mills, and Wm. Moran, Hespeler. In three-year-old drafts, first and
second places were accorded E. N. Mara, ©landeboye :

R. E. Everest, B. S. A.

E. D. Eddy, B. S. A.

T. B. R. Henderson B. S. A

C. W. Ermond, B. S. A

THE FARMER'S ADVOCATE.

Chird to J. Cantwoll, Guelph. Drat
won by McKinnon, on King Edward. In breeding classes of Thigh horses, winncrs were
Three year-olds, sired by Thoroughbred stallion, first G. F. Smith, Guelph; second, H, MCGinis, Hespeler 3rd, W. C. Shaw, Hespeler. For three year-old road
sters, fired by Standard-bred stallion, first and second sters,
went $/ t_{0}$. Milss Wilks, of Galt. Miss Wilks Rhea w. We the champion roadster, and Hon. Adam Beck's Grand Master bore away the sweepstake ribbon in tho hunte class.

## Get Out Your Camera

In viaw of the popularity attending those in previous ycars, we have decided to have anothe camers competition, or fampetition as follown:

A-Photogrephs of farm homes, showing house, grounds, trees, etc.

B-Photographs of orchards or ${ }_{\text {i }}$ gardens.
C-Photographs of buildings and live sto any farming operations in which people or ani mals are at work.
D-Photographs of interior vilewe of rooms $\ln$ houses, showing arrangement of furniture, kiltche -E-Photographs of ies, with surroundinga.
les, with surouniga. pupils. In this section we particularly dosire pupils. In this section we particularly desir
photos of schools where grounds and surround ings are well kept

First prize
Second prize

## $\$ 8.00$

hULES FOR COMPETITORS
All photograph must be mounted, and prefer inches in size. They must be clear and distinct. In making the awarde consideration will be given to the judgment displayed in the choice of subjectus tion purposes.
They must reach the office of the "Farmar's not later than July $15 \mathrm{th}, 190^{\circ}$
The name of the competitor, with P. O. ad dress, and the section or sections in which phot graphs compete, must be marked on the back o
each photo, as well as the name and location of the view depicted
Any competitor may send in more than on photo, and may enter in all six sections, bu
may not recelve prizes in more than two sectious, may not receive prizes in more than two sectio. All photographe entered for competition shail become the property of the "Farmer's Advi tograph from
been made is eligible for competition
The beautiful month of June is the season par excellence for obtaining beautiful viows of th various kinds for which our prizes are olleru
Every Province in Canada and the adjolnin Every Province in Canada and this adjotning petitio

## O. A. C. Excursions.

The Farmers' Institute excursions to the Ontario
Agricultural College commenced on Thursday of last Agricultural College commerced on Thursday of last
weok, with good crowds (fur the opening excursion), and on Saturday trains from Lincoln and Welland, and from
South Grey, brought in nearly three thousand visitury Despite the fact that these annual excursions have bee occurring for years, the interest is unabated; indeed, it
scems to be increasing. The addition of the Macdonald seems to be increasing. The addition of the Macdonald
Ingtitute and the Macdonald Consolidated School, be sides the annual additions to the College equipment and
the natural improvement of the farm and grounds, makes this about the most delightful as well as the mo:
instructive place at which either farmer or townsman can spend a day. Space forbids extended reference to,
the departmente in this issue, but we may remark that we have never before seen the College looking so wel so to take in the excursion from his district ticulars of dates, etc.., will be seen locally advertised
as usual, or they may be obtained from the secritaries Eastern Ontario Crop Prespects
Conditions never looked better for a bountiful yield of both hay and grain in Eastern Ontario than at the
prescent time. The seed was got in in good time, and prescent then there has been excellent growin! weather. It is expected that the hay crop will be fully up to last year's' average, while old-timers say the grain never
lookd better at this season of the year. Very little clover is reported to have been winter-killed. A prom inent farmer residing a few milles from Ottawa, who nent farmer residing a dew miles Western Ontario, says
has inst returned from a trip to Wen erops in this end of the l'rovince are in ad

With the Turning To the Cycle.
Since the overwhelming Japancese victory in the Straits of Corea, the faint voice again begins to pipe its periodical alarm as com fiema and Berlin. speak in no subdued tone of voice. The reason the dipe waxes faint is probably that all the rest of the world, practically, is up in arms against the suggestion. Carried away by enthusiasm for the plucky litt le men of the Chrysanthemum land, at one in disapprobation of the big Russian bear which has been lord ing it so long, and which, so far as the autocracy is concerned, well deserves the drubbing it has received, togo wholo world unites in hurrahing for sushima, and up to the top 0 the pedestal "white light" has not begun to beat too strongly.

R. H. Williáms, B. S. A.


Fred G. Brereton. Will receive B. S. A. on paering rupplemental
only walting for direction. Already some of this rlus has begun to flow into the bullding of warships, rather significant fact, in view of the general opinio
that, beyond an occasional Boxer uprising, China can that, beyond an occasional Boxer uprising, China can
not move. True, China has been for ages at a a stand not move. True, China has been for ages at, a stand
still. Long ago her capacity for inventions seemed to bocome worn out; yet the Chinese, as well as th
Japanese, are recognized as possessing a marvellou Japanese, are recognized as possessing a marvellou
genius for copyling. "Almost universally," as a mis senius for copying. "Almost universally, as a mast re marked, "the yellow man is a mechanic. He may no,
invent, but he can duplicate what you have invented." invent, but he can duplicate what you have invented. Now, the Japanese have "learned it all," torpedo heliograph, all that western science has evolved afte centuries of study and experiment. Some of her chie oficers, Oyama for instance, have spent years in Europ of China's millions, China's vast resources, what migh she not accomplish ?
Great Britain has admittedly, owing to the Angld Japanase alliance, much present reason for gratification
at the success of the Japanese navy. At the sam time hor necessity for keeping on the right side of the Japanese has been materially increased. Henceforth
Great Britain, as all other heretofore self-styled " supe Great Britain, as all other heretofore self-styled supe
rior " nations, will find it expedient to defer to the lit the yellow people, and to sue where she has been in position to disregard, if it so suited. In itself this is grabbing policy of the European powers in regard grataing policy of the European powers in regard
Asia has suffered an effective blow. The spirit aggrandizement has been too characteristic of nations
and individuals whose energies might have been better and individuals whose energies might have been bett directed-it would be interesting just here to kn
to what state of mind Lord Curzon in India, stance, has been thrown by the present juncture, It is hcld by many that otherwise little difference will b that Japan will be more careful than ever of em broiling herself with a Furopean nation, knowing that combined Europe must form a formidable foe; and tha she will be increasedly desirous of maintaining her con tige which such an alliance must give her on the sea Granted that all this is immediately true, it is als true that the Oriental is an indivicual who wear Already his reverence of the white man as a fighter ha been upset, and he is chuckling, if a solemn-faced Oriental can chuckie, over the electric shock which the
demure little soldiers have given the swollen-headed demure little soldiers have given the swollen-heade
world. The Oriental works quietly, and there are, i wirl probability, many cycles still to be wound off before the mundane sphere grows cold. Let China develop as
rapidly as has Japan during the past ten years, let rapidly as has Japan during the past ton years, let
modern science and Japanese discipline join hand with modern science and Japanese discipline join hand with
the not-yet exorcised Chinese savagery, let the united cust reach out to Persin, Thiset, Afghanistan and all
the Mohammodan and Buddhist hordes, which might be The Mohammodan and Buddhist hordes, which might be
unly too glad to get a crack at the long domination unly too glad to get a crack at the long domination
of the white man, and United Europe and America
minht well tremble. might well tremble. The Yellow Peril is not an immediate danger, but it would be a far-fetched assertion
to say that it might not be a possibility of the future. As was recently pointed out by one well versed in th conditicn of the Celostial Fimpire, the greatest obstacl 10 an aggressive advancement on the part of the Chin
e e at the present time is the all but universal use o energy, but who can say that even opium eating is a ineradicable evil, even in China, were she once to come drous skill in all that pertains to sanitation, hygiene

## Leeds Tramways.

The Leeds, Eng., tramways are owned and run by for one mite stage is one cunt, and for two miles, two theaper than in Canad for short distances is expensive for long distances. April 301 h Total revenue for the year ending April 30th, 1
$\$ 1,491,165$. The mileage run was $7,044,838$ miles. Total trafic expenditure ........................ $\$ 415,02$ Expenditure upon permanent way ....... 40,000
The total workiny expenses amounted to 806,485 Leaving a gross profit of From which had to be deducted the following: Fixed charges .............................................58,45
Interest on capital Interest on capital
7 his left $\$ 275,000$ to be handed over 108,715 Finance Committee.

## Seed Growers' Institutes.

The Ontario Supt. of Farmers' Institutes and in ominion Seed Division are co-operating to hold th The interests of producing more and hetter clover al
timothy seeds: Aylmer, June 14; Dutton, June Rinothy seeds: Aylmer, June 14; Dutton, June
Rigetown. June 16; Tilbury, June 17; Parkhill. J 19: Ailsu Craig. June 20; Crediton, June 21; Alli
1.in. June 22 ; Tottenham, June 23; Claude, June 2 T.n. June 22: Tottenham, June 23; Claude,
Maple Junn 26; Minesing, June 20; New Lo

JUNE 15, 1905


Alex. Irvine, B. S. A.
Our Scottish Letter.

THE FARMER'S ADVOCATE.

. Bernard Hoodioss, B. S. A.


R. E. Mort'mer, B. S. A.
cattle anpeared, showing the rapid extension of these Islands, the condilion of things is largely determined by

In spite of the heading, I cannot pretend that there
is much in this letter about Scotland. Here things ure quiet. The season has so far been favorable, and seed-time work is well advanced. We have a big up-
heaval regarding the efforts of the Board of Agriculture to stamp out sheep scab. The disease is not widely prevalent, and in most of the flock-masters areas
in (ireat Britain it is practically unknown. But in (ireat Britain it is practically unknown, But
wherever there are commons on which small lots of sheep ouned by crofters run at will, of necessity there
is difficulty in getting sheep dipped regularly. The difficulty in getting sheep dipped regularly. The
order issued by the Board some weeks ago was to have come into force on 1st June, but such a noise was
 July, und meantime those who have opposed the plan
of the Boaid as set forth in the order, have offered. of the Boaid as set forth in the order, have oflered,
and the offer has been accepted, to show that the sheev. or
dipped, and have agreed to get it dono. They have
andertntin undertakin a heavy task, but great renown will accrue 1o them if success attends their efforts. The aim of
the (iovernment is to stamp out sheep scab. The the Covernment is to stamp out shcep sali.
remedy everybody knows to be compulsory dipping in a dip a-proved by the Board of Agriculture. Hithert, it has been supposed that such a thing as compulsory
dippiny was impossible. If the opponents of the orde dipping was impossthe. goo may come out of present
can prove the contrary, ghar from compulsory dipping
avil and troub'e. $\Lambda$ part avit and troub'e. Apart from compulsory dipping o.
all sheep, the Board demanded that sheep tering move
ail of the schoduled area should he proved to have Wut of the scheduled area should he proved to have
leen dipped immediately hefore remoral. or dipped im
ion neen
nectiately on their arrival at their new destination
the scheduled area is the whole of Scotland north The scheduled area is the whole of Scotland north of
the Forth, and the prohitition impoid and the ro






Islands, the condition of things is largely determined by
the soil and climate. There is a climate in aul the
Islands and a eoil in Sersey that we know nothing "of Islands and a soil in Sersey that we know nothing of
here, while Denmark lies well to the north, so that her climate is very different, and her sorl nothing to boast cirmate Yet in both places there is agricultural proinperity",
of.
while we have nothing at best but hand work and litule while we have nothing at best but hand work and 1tive
pay, and at worst, hard work and no pay at all. 18 ome ave argued from this that the systems on whion the land is held are wholly' responsible. Give us eness;
say they," and all will be well. Unfortunately, we are suy they," and all will be well. in this country, And
not without small landowners in speaking generally, they are about the most thriftlees and least progressive farmers known here. The dillor-
ences bet wren this country and Denmark or the Chithel ences between this country and Denmark or the proapertiy
Islands are many. Both of these owe their pron Islands are many. Both orthese In them agriculture ts
to (ireat Britain's open ports. the primary industry, and all trade is subordinated to Its success. They prosper because the fiscal polity of this country is not theirs. That is true only In part of Denmark, which has open ports for foodstulfs, otherwise she could nemark the dairy cow reignis suprome.
carried. In Denmat carried. In Denmark tromites the whole businesie fabinio. "Nothing," say, the Danes, in respect of educatlon, " is too good for the childien," "ard they might aimber
say the same of the cow. Here to is farvise. say the same of the cow. Here can affect few elections. The Pariliament man trente the furmer and his complaints with enough regard to nnsure his vote should he care farmer's account in the matter of legislation. Were it otherwise the farmer's lot would be improved and his interests better pro scotland yet." Successful Graduates.
In this issue we present the portraits of fifteen of In this issue we present the portraits of firteen of
the class of twenty-nine men who (excepting two rethe class of twenty-nine men who (excepting two re-
qui ed to pass supplemental examinations in one ubtject earh) recently re eived from the Univeraity of To ronto. the degree of R.S.A.. Bachelor of Sceientifc Agri-
culture. The list of successful studente appeara in an-

- Contents of this Issue.

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Parturient laminitis ; inversion of the vagina : infectious bronchitis. : abor
tion ... ... ... ....................... tion
Cow with cough; contracted foet,
etc. inguinal hernia : laryngits ... 909 Miscellaneous. Colston Leader (tmp.): homemade
fert:lizer ................................ Mustard spraying-pasture for blach
muck-value of brewers' gralina growing rape seed, sink dralinega and cess pit; goslings dying; rook
salt in pasture-how to rid panitry of ants : apportionment of teacher's salary: business taxation: pursulng
a debtor: an encroaching fence ; lartbed wire fence ... .........................902 ow thistle : cow leaks milk: blos-
oums, but no leaves ; potato spraying for blight: packing butter and This story is told of a country girl who
ately touk her first ride on a street raflroad in a western elty. The conductor The fare, hut she did not underotand, have I am fair. I don't want.inone ofenyour
$\qquad$

[^1]888

THE FARMER'S ADVOCATE

## THECROWN BANK OF CANADA


Hoal Office, Torato, Ont.
Rdroard Gurney, Prosident
GVERY DESCRIPTION OF BANKING BUSINESS TRANSACTED

 gainet thoir eeoprithol Seotion acooninta reoelved on favorable terme


G. de C. O'GRADY, Genera Manager.

## GET A HOME In the Great Canadian West.

THE GANADIAN-BRITISH LAND CO., LTD.



 A. MoWilliam, resident direotor at rogina, will show lands and give foll information.
Hoed omoe: BT. THOMAB, ONT. Head Ofloe in the Territories at Regins. JOHN CAMPBELL, ESQ.,
President.
GEORGE K. CROCKER, ESQ.,
Secretary, St. Thomas,

Secretary, St. Thoma, Ont Wheat-Ontario-No. 2 red and white
sells at 98c. Goose is nominal, at 85 c .
to 88 c . Monitoba-No,
 northern, 96 c ., lake ports; 6 c , more grinding in transit.
Flour-Steady: Ontario 90 per cent.
patents, $\$ 4.40$ to $\$ 4.45$, buyere patents, $\$ 4.40$ to $\$ 4.45$, buyers sacks,
east and west, 15 c . to 20 c . higher for eant and weat, 15 c. to 20 c . higher
for
choice. Manitoba, $\$ 5.40$ to $\$ 5.50$
for farst patents, $\$ 5.10$ to $\$ 5.20$ for seconds,
and $\$ 5$ to $\$ 5.10$ for bakers'. Minfeed-Bran, easier, $\$ 13.50$ to $\$ 14$; shorts, $\$ 17.50$ to $\$ 18$. Manitoba, $\$ 18$ for bran, $\$ 20$ for ahorts.
Barloy-Dull, 45 .
Barloy-Dull, 45c. for No. 2, 43c. for
No. 3 extra, and 41c. for No. 1 malting, outside, Toronto freights.
Rye-Nominal, 60c. to 62c.
Corn-Canadian nominal.
asier: No. 2 yellow is quer a merican 61 th. and No. a yell
lake and rail freights.
Oats-Firmer, 43 c .,
Rolled oats $\$ 4.35$ for cars of bags, ${ }_{25}$ and $\$$. more for brokels lots here, and here; outside.
$\xrightarrow[\substack{\text { Pend eas } \\ \text { and } \\ \text { Buck } \\ \hline}]{ }$


FOUNDED 1866

## Toronto Horse Market.

There has been an extensive and wel a dined demand in the local horse mar ket the past week, and dealers all re
port a satisfactory
volume of business Some diffculty is still experienced in get ting the right class from farmers at wina the dealers term reasonable. values, and high-class unimals, except in the heav classes, on the market during the perio under review, and, consequently, the rany
of prices is hardly so wide as usual in some classes. The demand for heavy draits is one of the features of th Repository up to $\$ 250$ for good speci mens of heavy animals. Exprossers an other utility grades are also in good de
mand at firm prices. There appears ti be still a shortage of good drivers and
city broken carriage horses and cobs, the city broken carriage horses and cobs, the market for the latter two classes bein, the bes
dealer.
change, the range of prices is now as fol Single drivers, 15 tows hands
Single co......................... $\$ 125$ to $\$ 200$ horses, 15 to 16.1 hands 16
Matched pairs, cobs and carriage horses, 15 to 16.1
hands
hands
Delivery
1,200 lors.
General-purpose and express


pounds ..................... 150 to 250
Serviceable second workers 60 to 110
Serviceable econd The following is Burns \& Shep
weekly report of prevailing prices:
Single roadsters,
hands $\ldots \ldots . . . . . . . . . . . . . . . . . . . . . ~$
$\$ 150$ to $^{\mathbf{s}} \mathbf{\$ 1 8 5}$ Single cobs and carriage
horses, 15 to 16.1 hands 160 to 190
 1,200 pounds
General-purpose and express 165 to 200 cheral-purpose and express
horses, 1,200 to 1,350
$\qquad$ workers Serviceable
drivers

Gotscrip.
Sheep and swine breeders will be in-
erested in the announcement in our advertising columns this week by Mr. Al-
fred Mansell, of Shrewsbury, England, mens of all breeds of sheep and pigs
ill be sold by Show-yard, London, England, on June
9th. Those who ccannot atterd in per-
年, or have not time to correspond on, or have not time to correspond by
etter, will find Mr. Mansell's cable ad-

Shorthorn breeders will be interested in the fact that Mr. J. Deane Willis' white
Scotch-bred cow, White Heather, who has
been three or four times Roy is again on the show circuit, having won
the female championship at the Glouceshe female championship at the Glouces-
rshire Show last month, looking as harming as ever, and with a nice roan
alf by her side. Mr. M. T. Hobbs was
acond in the class for aged cows with range 13the class for aged cows with
so won the challenge cury cow, which
so the cluss

Ount Amaranth $=30055=$ (74299), a ted Shorthorn bull, whose name is very
miliar to Canadian breeders, died May miliar to Canadian breeders, died May
ith from rupture of a blood vessel. He
ha a roan bull, born in 1898, bred by Win. Duthie, Corlynie, Aberdeenshire,
and aported by and used in the herd of
essrs. H. Cargill \& Son, Cargfill, Ont.,
nd sold by them to Mr. Thos. H. Canid, of Lake Park, Minnesota, in whose he was used with excellent results
where his career ended. He was
by Count Arthur (70194), and his
was Sittyton Amaranth, by Master

Life, Thterature and eoncation.<br>Thomas D'Arcy M'Gee.



Although Thomas D'Arcy M'Gee
did not come to Canada until he was thirty-two years of age, he nuay yet be included among Canadian
writers, as the greater part of his
literary work was done in Canada. Although he was pre-eminently a cles and poems show great merit,
and the latter have been olected into an interesting volume, entitled,
is Canadian Ballads and Occasional Verses." He was foully assassinated in Ottawa, April 7th, 1868. That his memory is still affectionately re-
membered by Canada, may be judged from the fact that two o
the townships in New Ontario have recently been named after him
one D'Arcy and another MiGee.

## Russia's Day of Hope.

The fall of Port Arthur, the over-
throw of mighty armies at Muaden, and the destruction of the Baltic
Armada at the Sea of Japan, con stitutes a series of unparalleled dis-
asters which the world regards as asters which the world regards as
Russia's tragedy of defeat and humiliation. There was a day at nature's forces of fire and frost with
irresistible power saved Russia from the rapacious ambition of Napoleon Bonaparte, but Russia heeded not the the Divine voice invoking her to a policy of enlighteument, to civil and religious liberty. Instead of emphasizing manhood in her
scheme of natioual life, she chose scheme or hathon puople ignorance tyranny, national greed, duplicity, and a crushing terrorism that subsilence of her myriad moudjik silence of her myriad moudjik,
broken only by the volcanic outbursts of a Tolstuy, the bomb-
throwing nihilist and the impassioned student. A miritary olig
arcliy, enthroned in barbaric splen dor, reached out into Asia, :ast-
ward and ever eastward, until the ward and ever eastward, twentieth century curtain rolled up perash the aspirations, of the vuto-
crat. Had Russia triumphed over Japan in this war there would have
been no hope for the Russian people, until time brought on a more terrible conflict and a still greater disaster. The heart of her people, world, is not in this war; it re-
volts against it, and as the truth of overwhelming defeat filters down
to the masses, then will begin the
slow birth-throes of a new national front ? Don't you remember the
life. It will be gall and worn-
Itiet brown colt "/ Asteroid," with life. It will be gall and worm- quiet brown colt ". Asteroid," with
wood to give up the ambitions of a the star in his forehead? That is wood to give up the ambitions of a the star in his forehead? That is
century, but Russia must die before he, he is one of the sort that lasts;
she can be born arain Her hope the bluck she can be born again. Her hope look out for him! The bluck
now lies in a policy of internal re- "colt," as we used to call him, is form, of education, of preparation for representative institutions, of
industrial rather than military and industrial rather than military and
naval progress, and of religious free-
dom. Soon the great clock of hudom. Soon the great clock of hu-
man events will strike the hour of her destiny. Will she open the
school, unshackle the press, put school, unshackle the press, put
aside the knout, and unlock the
Siberian dungeon? Siberian dungeon? If so, the
heart of the Russian peasant may
yet beat high with hope and his yet beat high with hope and hi
eyes be lifted to the sun.

The "Derby" of Life.
By Dr. Oliver Wendell Holmes, in ". Auto-
crat of the Breakfast Table." I find that the great thing in this stand as in what direction we are moving. .eminds "Commencement day" always reminds me of the start for
the "Derby." when the beautiful the Derby, when the beautitul son are brought up for ifial.
That day is the start, and life is the race. Here we are at Can-
bridge, and a class is just " aradbridge, and a class is just " grad-
uating." Poor Harry ! He was to have been there, too, but he hus
paid forreit; step out there into the paid forfeit ; step out there into the
grass back of the church. Ah!
There it is: " Hunc lapidem p
Soch moerentes.
Sut this moerentes." the start, and here they are-coats bright as silk and
manes as smooth as eau lustrale can make them. Some of the lest
of the colts are pranced round of the colts are pranced round-a
few minutes each-to show their paces. What is that old gentleman crying about, and the old lady by him, and the three girls, all cover-
ing their eyes? Oh, that is their colt that has just been trotted up on the stage. Do they really think those little thin legs can do anything in such aning offing the next forty years? Oh, this terrible gift of second-sight that comes to sume of us when we begin to look through
the silvered rings of the arcus senilis!
Ten years gone. First turn in Ten years gone. First turn in
the race. A few broken down; two
or three bolted. or three bolted. Several show in
advance of the ruck. "Cassozk," a black colt, seems to be ahead of
the rest ; those black colts monly get the start, I have noticed, of the others in the first quarter. "Meteor " has pulled up. Twer turned. "Cassock" has dropped
from the front, and "Judex". an iron-gray has the lead. But look! -how they have thinned out! Down still enough! They will not get up again in this race, be very sure!
And the rest of them, what a "tailing off "! Anybody can see who is going to win-perhaps. "Dives," bright sorrel, ridden by gins to make play fast; is getting to be the favorite with many. Mut who is that other one that has bean and now shows up close to the
seven. I talked to them about the
home, the fireside, and their manner home, the fireside, and their manner
of life ; just to the six. One of the six was a daughter of a public man -a politician. After a few days she came to me and said : 1 wish you would talk at my wedding just as you did at the wed-
ding of those working ding of those warking people.' wedding like that. There will be two thousand people at your wedding: Well,' she said, ' you just talk like Well', " So I did; and in the audience there was a publisher. There is af ways a publisher in every audience.
And he wrote me that he would like to publish my talk. That came like an inspiration to me. I had never thought of writing a book on
the simple life, but so the book was the simple life, but so the book was
written, and it has spread all written, and it has spread all
through France and Europe and this

## Rural School Libraries.

 The annual report of the Ontario Department of Education refers tothe lact that the establishment of libraries in rural schools has beon a marked feature of work in recent years. A carefuly-prepared cata-
logue, has been distributed among trusteen of various school sections. The list embraces most of the lafest and best works in nature study, agriculture, history, biography, travel, maximum of $\$ 20$ the Government
gives one half the amount expended each year for books. Any further sum expended need not be confined to books in the rocommended list if approved by the Inspector. By worth of books, and addling $\$ 5$ or $\$ 10$ worth each year, an oxceedingly valuable and helpful library can
soon be built up, which will prove of incalculable value, not only to the school, but to the people of the section generally. From the begin-
ning of the third year at school, pupils should be encouraged to supplement their regular text-book work with other reading of an instructive
and elevating character. In conversation with an intelligent public school principal; recently, he testified that he had found the library troducing, of the very greatest benefit. Among other things it solved the problem of how to employ
the time of the bright the time of the bright, dillgent
scholar who completes her or his scholar who conpletes her or his
tasks at the desk before the others, and as an encouragement they obtain the reading of some interesting
book, related dircctly or indirectly to some of the regular subjects taught. When taken home, ihese books prove a boon, by encouraging
good reading in homes not well supplied with literature. He considered the library a most attracTive feature in the school.
Wive have examined the lists of books recommended by the Education Department, and find them admirable (particularly those relating to the study of nature), in a way boy and girl. It scems to us that the Department has done wisely in giving substantial encouragement to
trustees, who, in conjunction with
heir teachers and the inspector, aid
in promoting the establishment of the litrary and in the selection of the books. In some cases the needs
of a corsmunity are fairly well supof a cormmunity ure rairly well supother libraries, but in the majority of cases the need for a good assori-
ment of books of tie character dement of books of the character
scribed will be apparent. The cation report before us indica that the formation of these libraries rests largely with the teachers, it
also points out that, without a st ply of such books in the school, t teacher is seriously handicappe promoting the best interests of teachers and trustecs who are familiar with this subject to the Department of Fducation, copies of the catalogue of beot with instructions, can be ontaimell

## Domestic Economy

To remove old wall paper, set a boiler
two-thirds full of boiling water in the room and drop in several hissing hot Close the room at once and penetrated the paper, when it can be craped off with a knife, or still better

Chop pork or beef cracklings while tale mix with equal parts of chopped chopped cold boilled potato. Season.with salt, pepper and sage, and moisten with and fry, and you will think you are ent
Tainted buttor or lard, if put into cloth and buried several days, will be
very much improved if not rendered per fectly sweet by the process. Thinted fruit canse or earthern jars left a week or
more buried in dry earth will be es s sweet as new dry
 te cellar bottom, whether of earth oi
ement, but on bricks or blocks of wood, little borax Wisdom's Goal
By Mutschito, His Majesty the Emperor The following poem was written for The following poem was written for
the students at the Peeressess' School at The water placed in goblet, bowl or cup Changes its form to its receptacle; shapes
And characters of good or ill, to fit
The good or evil in the friends we choose The good or evil in the friends we choose Therefore be e
of friends,
And let your special love be given th
those those
whose
strengt
$\qquad$

When the Boats Are Away attention at the Royal Acudeny, an added greatly to the already estallishyy fame of the artist, is by Mr. Walter Langley, R. 1., one of the earlier mem
bers of what has been called the Newly School of Prainters. it is the Newly Cornish secene. The boats are away, ant there is a lull in thu davs work. Th shows that the iteme of deep attenti fisherman is readin
arly, whilst to th
passing in terest. of passing int erest the swish of $\qquad$
$\qquad$


Children's Fresh-air Missicn children for a fortnight are particularls Whoso shall receive one such little child
in My Name receiveth Me.-St. Matt.

- That vast throng,
The multitude of peophes, nations, tongues,
Shall stand before His Throne,

Shall stand before His Throne, and every
act
Of human kindness He will own as His,
And crown, as service renderid unt,
crown, as service renderid uiti) $\mathbf{S}$ slections from the Report for ulhis
Year.
The yearly report of the Toronto "A Scotchman living in the Highlunds
 you something about the work as soun as possible, so that there may be no deley in finding homes for the children, The secretary says that homes for twenty chldren and about $\$ 25.00$ for railway through the "Farmer's, Advocate" last year. The workers send their than'ks to all who helped last year, and hope that
their farmer friends will again prove theniselves friendly ; at least, I shoul, say that I. hope you will help the work again-it is against the rules of the Mission to ask any holp from nnyone but
God. I am only a well-wisher, so may make an nuppeal if I choose. If every " Farmer's Advocate" reader would senid
a small contibution-10 cents or quarter-the total would astonish or antl" home sending money or the olfer of the "Farmer's Advocate," so that next year
we may be able to seo how many childrem have been benefited. About fifty receive-1


When the Boats are Away
round a table heaper up with work
our little company of half a dozen ers, each one so busy and yet so full joy. The tickessor from the rail ways and as it neared midnight we wère count ing up the number and cost for Friday-
108 was the required 108 was the required number. When
tiguring up the cost we were \$4. 90 short. tiguring up the cost we were $\$ 4.90$ short
This made our hearts sink, for a work of faith must never go into debt. Thursday morning the tickets were ordered, to b noon. Opening our morning mail forty-two correspondents there was help. Eleven o'clock mail brought $n$
money, and before another mail money, and before anothe mail wour What was to be done? Had God for saken us, and He knowing best the neet of the work bitween 12 and the treasurer, saying it had been sent his office in Mistake (although the sender treasurer before) , it a hetter to, the oh, what a joy! It was more than we
needed on the 4 The tickets were called for, and This surely was God's abundant came Midnight was nearly upon us as sat at the same table that night, and in
our final check we foun our final check we found that ten children
who were to go out rain the next morning had octock looked. It just took the $\$ 10$ reaving the good balance of 10 culs hand. Do you think we had a right to This is only ing incio lod? that have been our blessed expericnce Once, after sending out seventy-three children, we had a balance of three cents. Never have we been a cent short, and lack of funds. We just keep laying the needs before God, and never do we ask anyone, directly or indirectly, for money. The following letter illustrates one of
the difficuities connected with the work:
$\qquad$ Mrs. F. likes the girls very much. They re nice little girls, but she thinks they are not charity subjects. They are well
dressed and well cared for, and talk dressed and well cared for, and talk
athout taking music lessons and going
tripg verting some poor, uncared for whildren, like working for children wis not feel the working for children who are
parently as well-tocdo as her own. She is going to send th:m home on
Monday. 1 hope the others will stay, as this is dren, and we want them to continue next ur secretary sent the following reoly Here are the facts of the above case : The 1 , ,ple are very respectable ; home Wurk nearly all winter, and the mother
was sick in bed for two months. Nellie.
 or assistance. although our nurses had
o take. many a time, the nourishment
he mother needed. The "piano" story is this: As many
of theme people do, they took in two of theme people do. they took in two In old tin pan that I would not pay the
artage on. The "boarders" failed to he phane (?) the father's, that if ho got work, and
the mother was better. they would go Ner some Saturday to a friends home
 Norly clothed. This hurt their mother
mery much. and when we promised tio and thim out again this year she begal hid the.th nicely dressed, I believe all th lidtren are to blame for of course the exagger.
lich. but can one wonder, they are
delightud at genting out. I always tel h. friments $t$, take a handful of salt with

JUNE 15, 1 1905
espectally when they find their tale a WHAT WE ASK OF OUR FRIFNUS WHA WHO TAKE THE BOYS AND GIRLS.
To take them for two weeks' holida To take them for two weeks holiday
To be strict, and not withhold corre To be strict, and not withhold correc-
tion when it is necessary.
To notify ohildren's parents of their To notify ohildren's parents of the
home-coming. To kindly write secretary as
dren's conduct (good or otherwise) dren's conduct (good or otherwise).
We desire to send them all out the first week in July, commencing Tuesday, July 4th.
Friends to meet the children at th railway station, and see them safely
the train on their homeward journey. We send the children two by two, so us ${ }^{\circ}$ prevent homesickness.
We pay their railway fare both ways.
We ask only for Christian homes, whe We children wir be Master's sake.
We try and send our best-behaved and most-deserving boys and girls.
Kindly say whether boys or girls are preferred
We cannot send their names before going If the same childrın are desired again, kindly let the secretary know.
In your correspondence, please say In your correspondence,
whether Miss, Mrs., or Mr.
Stse post office address and nearest whether Miss, wrs.
State post office address and nearest
railway station.
We wish to have by June 20 th the We wish to have by June 20th the
names of friends who desire to take our names of friends who desire to take cur
children. Phiease join us in earnest prayer that
above all our boys and girls may learn to know and trust Jesus as their per-

## Recipes

Cake Without Eggs: One cup sugar, ${ }^{1}$
up milk, 2 cups ." Five Roses " flour into which has been sifted 2 teaspoonfuls baking powder, 1 teaspoonful lemon
or vanilla; $\begin{aligned} & \text { bent all well, and add } 5\end{aligned}, ~$ tablespoonfuls melted butter. Cream Puffs: Put $\ddagger$ cup butter into ${ }^{1}$,
cup water (boiling hard on the stove), cup water (boiling hard on the stove),
while still bofling stir in 1 cup "Five
Roses "f flour. When thoroughly mixed while still hour ${ }^{\text {When thoroughly mixed }}$
Roses
take off and let cool; then break in three eggs, one at a time, mixing thoroughly,
after each one is added. Drop in small. arter each one and bake in hot oven.
rough heaps, and
When cotd open at the side and fill with When cord open at the side
whipped cream or custard.


See Him Wiggle

## At Aunt Hittie's.

 F.v'ry year w'en hayin's did,Fore taterin' begins,
ra takes marn, Joshua and Lyd, Me, Thomas, and the twins, He piles us on the wagon high
As deep ez he can pile us. As deep ez he can pie us,
Till marm begins to fuss and cry,
Iteclarin' he will spill us.
Declarin' he will spill us.
He jams one here an' crams one there, he jams one here an crains one there
He's not at all particlar! $\mathrm{An}^{n}$. some is criss-cross, son $\mathrm{An}^{\prime}$ ' some is perpendic' lar.
An' then we start upon our ja'nt,
Dressed in our frills and flummery. O. visit our dear, good ol' a'nt
Mchitable Montgomery We wobble here, we wobble there Bimeby there comes a shout:
We've spilt the twins ! we've spilt the twins! hol on, you've spilt the The twins ! hez tumbled out
We gather up the scattered twins,
(An' it is squally weather,)
hen marm she takes two safety-pins
An' fastens 'em together.
An' wastens 'em together.
We raise a general din,
nn
An' ghathers us all in.
$\mathrm{An}^{2}$ she hugs pa, kisses ma,
An An' cackles, cries, an' ${ }^{\prime}$ grins,
An' ${ }^{\prime}$ squeezeses all permiscuously

See Him Wiggle These children are having the best time hey ever enjoyed in their lives. They
have heen sent out by the Toronto Fresh have heen sent out by the Toronto Fresh
Air Mission for a glorious country holl-
diy day-or, at least, they might have been
If you want to hear all about it ask If you want to hear all about it asik
your mother to read aloud to you this your mother to read, aloud to you thi
week's Cuiet Hour,", you will find full
particulars there. narticulars there. Perhapps she may be
nble and willing to invite two poor little nble and willing to invite two poor little
city children for a fortnight's holiday
can send a latle money and help in that way.
How would you like to play always in the hot streets, with no woods to prenic in, no creek in which you can paddle with bare feet or catch wriggling fish,
no old farm horse to ride to water in no old farm horse to ride to water in
the cool evenings? $I$ once read about The cool evenings? I once read about
a little Japanese baby that was suffering from a want of fresh air, so tis mothe invented the idea of sending it up on a
kite for a change of air. Here is the kite
story
:

- A mother lived in Ho-Cho-Le

She had a son so pale and wee.
His life she did despair of-
The life she did despair of-
'He must have change of air,' satd he
Close streets you must beware of.' The nother hushed her baby's cries, While tears dropped slowly from he
Alas ! she had no money-
Her sad gaze wandered to the skles-
She cried aloud with glad surprise. - You've saved, my dearest sonny : She fetched her hustand's strongest kite She tied her baby to it tight,
And up she sent him fying.
And there the air was pure and brigh So happy looked the little mit
The mother ceased her sighing. The mother ceased her sighing.
0 wondrous, wo drous change That Baby grew so plump and falr That people scarcoly knew him,
Li-Ti could sit without a care Above her crowed her son and heir-
And that's fust how I drew him."
of course that is .... fancy story nut to is only too sadly true that hun-
dreds of bahies and little children die dreds of bahies and little children di
every summer who would have been rosy and well if they could have had a fev weeks of country air, real country millk,
fresh eggs and-happiness. The Toron resh eggs and-happiness. The Toron
to children do not suffer like the little to children do not, suffer hike the plenty
ones in New York, but there are of forlorn little, ones even there. A
little more than a year ago I read the paper about a mother and eight children who lived in a cellar on Bay children who lived in a cellar on Bay
Street. All the furniture they had wa
do. have half us good a time as you
do. What chance hav" they to "see
him wiggle !" when, like sitaple si-
nom wiggle when, all the water they have to fo fish in
is in their mother's
is in their mother's pail?
I had the great pleasure of taking two
of these " Fresh-Air children, 少保 hall
a dozen other little ones, to the woods
of these other little ones, to the woods
a dozen
one day last summer. You should have
one day last summer. You should have
heard the shouts of delight when a tiny,
fish was hauled out of the creek. Whormis
fish what
ish mas scarce than fish, and we had
were more
to dig for them with a big granite spoon
to dig for them with a big granite spoon
and a table knife, but the diffculty in
finding them only made thingi more
exciting After a jolly picnic fea, we
exciting. After a jotly plenic yea, we
played Wild Indian : making wigwams
played Wild Indian: making whigwams
with the buggy duster and waterproots,
with the buggy duster and waterproots,
scalping our enemies with fierce delight,
calping our enemies with fierce delight,
nd making the woods ring with terrible
and making the woods ring with territgle
warwhoops. That was only one brtght
afternoon out of many, and I hope we
shall have just as good a time this sum-
hall have just as good a time this sum-
mor-why not Just think of it
ner-why not nifty children had an extra good
thme last year "because people read about
them in the "Farmer's Advocate !" Ii
them in the "Farmer's Advocate !" "If
you malke a speeial effort perhaps a hung
dred might be reached this July. And
you malke a speeial effort perhaps a hung
dred might be reached thie July, And
remember one thing: "IR 'twere well
remember one thing: "IP 'twere well
done when 'tis done, 'twere well 'twert
done when 'tis, done, 'twere well 'twery
llone quickly !', If you put of ettend
ing to this matter for even a week of
ing or this matter for even a week of
ino it will be too late. if there is on
$t$ wo it will be too late. If there is onf
land where it is a great mistake to
settle, it is the "Land of Pretty Soon."
I know of a land where the atreets are
paved
With the things which we meant to
It is walled with the money we meant
to have saved, which we gripeve.
And the pleasures for which we gripeve.
broken,
And many a coveted boon,
somewhern- away there in that land
The land of "Pretty soon." oulble fame
There are uncut jewels of p
Anding about in the dust,
And many a noble and lofty nim
Covered with mould and rust:
And oh ! this place, while it seems so
near,
Is farther away than the moon,
Though our purpose is fair, yet we never
Wough our purpose is lair,
get there-
The land of Pretty Soon.
The road that leads to that mystic land
Is strewed with pitiful wrecks, ${ }^{\text {a }}$,
ing strand have salled for
ing strand
Bear skeletons on their decks.
It is farther at noon than it is at dawn,
Farther at night than at noon;
oh! let us beware of that land down
The land of ' Pretty Soon.'
COUSIN DOROTHY.

## Humorous.

what we need.
The primary class in Sunday-school was listening to a lesson on patience. This,
according to the Boston Herald. what came of it, at least in the minds of the more liberal-minded children : The topic had been carefully, explained teacher had give each boy fishing.
bearing the picture of a "Even pleasure," said she, "requir the exercise of patience. See the boy
lishing : He must sit and wait and wait. He must be patient."
Having treated the subject very fully he began with the simplest most prac (ical question: what we need most when we go fishing?
The answer was shouted with one voice

## Camera Competition.

We wish to call the attention of our
Home Department readers to our "Weme Department readers to our progress. If you have a camera, thit is
the time to use it. For further partleulars, see page 891 of this issue.

## EATON'S <br> MALL ORDER NEWS <br> TORONTO <br> SAVE MONEY ON FURNITURE

O
UR Furniture prices represent remarkable values.
On account of the immense quantities of goods we buy, all for cash, we buy at the manufacturers' lowest
prices.
n account of the immense quantities we sell, we are satisfied
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spocial 19,75

## ぶT. EATON COLimite <br> TORONTO <br> CANADA

## WHEN YOU KNEAD FLOUR

See That It Is
"FIVE ROSES"
No other brand on the market is as easy to use, or gives such satisfactory results for bread or pastry

ORDER IT AT YOUR GROGER'
LAKE OF THE WOODS MILLIMG CO., LIMITED



Prom One of Our Tearhers. Dear Dame Durden, -I have just bee
reading Edith's letter. I, too, am school teacher, but am tired teaching. am fortunate in having my home on
farm, so when I give up teaching 1 in farm, so when I give up teaching I in
tend to spend the summer months in raising poultry and fruit. I think there
would be fewer -nervous, would be fewer nervous, braken-down
women if they only spent more time out Women if they only spent more time
in the fresh air and pure sunshine. was at a loss to find employment a
home for the winter months, but now home for the winter months, but now I
am hoping to get some hints from am hoping to get some hints from
Octavia's reply to Edith's letter. My mother has always been very fond
of house plants, so perhaps I may be allowed to add a few simple hints. The soil for plants should be taken from
bluff or bush where there is plenty of leaf mold. Before putting in the pots, heat it in the oven to kill any grubs,
etc. Turn the plants in the windows etc. Turn the plants in the windows
every day, to prevent them bushing one side. Water your plants every day or every other doy, according to the
plant and according to the weather. plant and according to the weather.
Once a week they should be given maOnce a week they should be given ma-
nure water. As plants grow and the roots begin to flll the pot, change to
larger ones. Be careful not to crowd your plants or allow their leaves to touch the window glass, as that causes
the leaves to turn yellow and die off. Set your plants out in a gentle rain oc-
casionally; it will freshen them. Every few days, to keep them free from dust,
hey should be dipped in a pail of water Cut a slit in a piece of cardboard or
Cut and
paper, and slide it around the toter paper, and slide it around the bottom
of the plant to keep the earth from falling out of the pot while you dip the
plant. Don't allow very young plants (slips) to blossom, as it weakens them.
Pinching off the top of a plant will cause it to send out fresh sprouts and
become more bushy.
We have thad great We have had great success with the
hanging asparagus, and also with the hanging asparagus, and also with the
asparagus fern. I have a fern now in
my school, and it grows very quickly.
The hamging asparagus does not bloom my school, and grows very quickly.
The hanging asparagus doos not bloom
until after the third year, when it has until after the third year, when it has
hundreds of sprays of small white blossons. Ours grew six or seven feet long.
Its root consists of a mass of small tubers or bulbs. It cannot be grown
from slips, and it is almost impossible from slips, and it is almost impossible
to successfully divide the root. suggest some way by which I could add to my income (at home) during the win-
ter months. Hoping that my letter will ter months. Hoping that my letter will
not prove too long, I remain an old and
ever-interested reader of the Ingle Nook $\begin{aligned} & \text { ever-interested reader of the Ingle Nook } \\ & \text { Chats. } \\ & \text { VIM. }\end{aligned}$ A Request.
Dear Dame Durden, -1 am always an
interested reader of the $\cdots$ Ingle Nook
Chesten interested reader of the Ingle Nook
Chats," but have never written to you
before. Looking over the article written by C. D.,. I was much interested in her geen looking for a good way to preserve been looking for a good way to preserve
summer ogge for winter use, but never
got got a satisfactory way yet. Would C.
D. mind giving me her way of doing it, and also a plan for keeping of doine butter
for using about the New Year ? lor using about the New Year? Our
cellar is not very good, and I am not
sure if I could keep it or not, but would
like very much to try.

## Gothering Butter


$\qquad$
$\qquad$
$\qquad$
$\qquad$
tw
handle. In the end I have a fin o hunt up any receipt or information A member was aking some what to do with butter not coming. Ty his : If the churn is a barrel, after th butter has failed to gather let stand five dinutes then draw off all the cream bu tes, when it will be gathered few min add two or three quarts at a time churning as before, and in ten minutes it How many of the readers know the alue of the square tin biscuit box for bread? I make two small loaves in each one, and they are as nice as any baker's.
By placing a piece of oiled paper in the bottom the box cannpt be beaten for small fruit or one egg cake, which umay be cut in sixteen square pieces. I will send a recipe for jelly-roll cake, which
I copied some years aco from the
I. sugar, three eggs (whites and yond white beaten separately), a pinch of salt, on spoon of baking powder, one cup flour Pour into a dripping pan lined with oile
paper, and when co paper, and when cooked spread quickly

Packing Eggs, and Other Hints The problem of packing eggs when eggs fresh and well dlavored when high is a problem that is ever with ar Let me state our experience. Usually we packed our eggs in salt, and, to guard against frost, placed the box in which keyt fairly well. Indeed, cellar. The eggs were spoiled altogether, thouge of them the yolks became quite hard. We some of that the salt became very damp noticed ment. This time the egys were experiin salt as heretofore, about eight or ton dozen being put in each box, and this
box was placed in another, the bottom of which was covered with lime to a depth of about two inches. The result was
entirely satisfactory entirely satisfactory. The yolks re
mained quite natural, and the mained quite natural, and the salt con-
tinued just as it was when the eggs were put in it.
Dear Da
Dear Dame Durden, -Let me suggest few things for our friends in the Ingla
Nook. An ounce of do-it-intime worth several pounds of being sorry. Hav on hand and placed in the most con
venient corner availe venient corner available a bottle con-
taining a weak mixture of water and carbolic acid. About one parter of car-
bolic acid to thirty or forty parts water will be about right. Apply this
to any slight cuts or scratches sust by any slight cuts or scratches sustaine by yourself or any of your friends. Th
little sting the mixture gives lasts for the merest second, and the application may prevent blood poisoning.
An experienced surgeon has hold provided with a wide-necked bottle in which there is an ounce of cullodion
in which there is mixed one dram of
aristol aristol. Through the cork is passed the
handle of a camel'shair brush. This mixture is the best of good dressings
small injuries.
fectly mother clean, and makes it easy to
To heal the wound. Cover up an old cotton sheet or pillo
from half an in inche ranging in widt from half an inch to an inch aud a half
These will, sooner or later, be found the use the narrowest bandage practicable
Apply it evenly, but not so tightly to interfere with cifoulation. The bes place to practice bandaging is in an un
injured member. Chloroform, laudanum and arnica, equal
parts of each. Have a bottle of this
mivture to apply to sprains or bruises.
You will be surprised at the way in which


Portrait of the Late Bishop Baldwi

The Londor Printing \& Lithograpiling Co. London. ontanio.
I WOULD LIKE EVERY WOMAN Io.

Manager SOUTHCOTT SUIT OO.

THE FARMER'S ADVOCATE

## HEALTH. IN THE HOME

GBy a Traiged Nurseo

In the Sick Room.
 ing. are
nurse.
The



 anowadays are insisting so strongly
that visitors shal not obe rough into
the sick trom. Thist order of the doc-
the sick

$\qquad$

able is to go into a sick-room in which
the ted is surnouded by a done or
thore people, usually women, sitting with
more people, usually women, sitting with
oteful faces azing upon heo poor rarryr
in the bed, or else chat tiny chertuly





 uring cup at the drug store and then
you will be sure you can make no mis-
take. When you are about it buy
china feeding cup at the same time, one
with a spout on it, you know. It is so with a spout on it, you know. It is so
much handier than an ordinary cup tor

Johnny- Pa , what is a diplomat? $\mathrm{Pa}-$ Well, sol, it's a man who can stretci
hands across the sea without putting hil
foot in it too







ventilator. And, remember, do keep
people out of the room. Don't you know Jest a little cradle in a wagon passiar'


The LEAVENWORTH CASE
 "No." I said, taking her by, an it ressistible impulse of admirimg amenction
into my arms ; $\quad$ but if $I$ had, it would "Then you do not thinerence." me such What could I say ? I thought her the Winsomest being in the world, and frank into her very gayest self. "And you will still let
toll you how bad I am?
" Not if if I shourd do do din." Not if I should run away with my lover some fine nimht, and leave uncle to dowren dis-
cover how ill his partiality had been re-

Tor It was lightly meant, for she did not
oven wait for my reply. And for two davs I spent my time in planning how X
should manage, if it should ever fall to should manage, if it should ever fall to
my lot to ocnduct so mentroulsig $\&$ ploce
 imazine, then, how dolilghted I was, whimn
one eveming Hannah, who mas occuptinn

 with a note from her miditrese, runnifig
thus: Have the loveliest atory of the seeson ready for me to-morrow; and lot tho
prime bo be be bandome at as some one

 she was engaged. But morning ylyth did
not. oring my Mary, nor noontide, nor evening. The next day came and went, but beyond bearing that Mr. Leavenworth
had roturned he had been away travel-
 set in, the came. It had been a week siice I had seen her, but it mighat have
been a year by the change I coberved in been e year by
her bountemance.
aid "ou are disappointed, are you not ? ". said she, "You expected rovelations and all manner of sweet conndencees, and
you see instead a cold, bitter womat Sou see instend a cold, bitter woman,
who for the first time in your presenco Ieels incimed to be reserved." "That ie because you have had more Sove," I returred
she ed tid not reply to this, but rowe ind aced the floor: colldy at Arat, but ment that proved to be the prolude to a
 ${ }^{\text {Clavering has left R-, Mra, Belden.' }}$ Yises, my uncle commanded me to difs"Ah! then he knows of your engage-
 ve minutes before Eleanore told him."
Then she knew "Yes " ; with a half sigh. cue in my first moment to give her the neesp. I did not think of the conse i. so conscientious.".

 Mr. Clavering?

 made me all 1 am, even to to to love of
riches which he has instilled toto my gout with overy hith ho has thrown into
my lap? Is it for me now to turn my
 beneficent, and Iree, fust because a man
whom 1 have known some two weeks chances to offer me in exchange what he "But." I Ifeobly, oeaegyed, convinced per.
haps by the tonne of sarcasm in which the haps by the tone of sarcasm in in wich thher
was uttered that she was not fir trom my way of thinking, after all, " if in two weeks you have learned to tove this man more than everything else, even the riches
which make your uncles' favor a thing of ". Well 7 ." baild abe, " what then ? " "


Southcott Suit Co., numavi © Man.


## British

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ROYAL SHOW, ENGLAND.

> in show-yard hy
> ALFRED MANSELL



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QUESTIONS ANL ANS
Miscellaneous.


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so easy of operation that the women folks and children can run it as well as anybody.
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regulator is so perfect that it can't "go wrong." reguator is so perfeet that it can't "go wrong."
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| Offlce, Toronto. |

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 M buTAIN View siock Far in. Red Polled


Are made from epeolal imported heavy atampen
Ateel -are hog, whey and froet proot, and prae tioolly indestractible. Boyond queotion the fo


 you about alk kide of troughs and other good
we manutacture.
Agents wanted in



QUESTIONS AND ANSWERS.




 Miscellaneous.







 out voit whion phans on wed wid

















 TROUQ\& MAOMINE CO.
Twoed, Ontario.


| like to know from the owner whether the goslings were confined, or whether they were at liberty to get grass, water, and if shade was supplied. If they could not get from the sun, they might go backward. <br> w. R. Graham. |
| :---: |
|  |  |
|  |  |
|  |  |
|  |  |


ROCE SALT IN PASTURE-HOW TO RID 1. Do PANTRY OF ANTB.
2. Who sell it in London?
3. How can one rid a pantry of ants Ans.-1. Though a little pensive, keeping rock salt in the field is Che surest way of providing an adequate, 2. It should be procurable from any
large grocery and sometimes from feed stores. If your dealer hasn't any, refer
him to the advertisement in this paper tim to the advertisement in this paper
the Toronto Salt Works, Toronto, On
rom whom he should order from whom he should order a supply.
3. An expedient recommended is sprinkle fine sugar rever a moist sponge
and when the ants have collected in destroy them by dipping in boiling water.
Or a surer way is to watch whither thb Or a surer way is to watch whither the
ants carry the grains of sugar, and when the nest is located, kill them by pouring
into it coal oil, boiling water, or a little of the poisonous carbon bisulphide,
the fumes of which will settle the fumes of
despatch them
APPORTIONMENT OF TEACHER's SAIARY trustees for the year with a borard of
$\$ 305$ at a salary of
He sends in his resignation to
take effect June 3oth. What proportion of yearly salary is he legally entitited to to
Ont.
SUBSCIBER. Ans.-He is entitled to be paid his
salary in the proportion which the number of days during which he shall have
actually taught bears to the whole num-
ber of teaching days in the year. business tazation.
$\qquad$ of who supply the milk for the purpose
of getting it made up at cost, liable to
business assessment. 2. Can the machinery used io such fac
tory be assessed?
Ont.
INQUIRER. 2. Not if it be fixed mochinery
pursuing a Debtor.
$\qquad$ and goes to the N..W. T. Can country,
Cons Bend a
constable out there and bring A bin and put him in jail? A is able to pay,
but determined he won't. Would the ex

an encroaching fence
$\qquad$move his fence onto the line?
Ont.boundary line, and that if the matter be
not attended to by a certain date, to be
stated
stated in the notice, he, A, will move
such fence and charge B with the ex-
pense; and A should proceed, if necessary
barbed wire fence.
barbed wire fence
an a barb wire on the top of a woven
does each municipality form forme fences, o
laws concerning these mats ow
Fonthill Fonthill, Ont.
Ans- It deperds largely upon loca
$\qquad$
$\qquad$


## THE FARMER'S ADVOCATE

The Cream Separator that is the Cheapest in the End. There are nome follow who are ever lastingly trytag to get idoomething for nothing." They buy a wigen at a "bar gatian " price becinue the aecent mye itto



Price not the entyi minerence.
It's the some way with aceam expara
 tors for less movey tion the U. 8 . Cream separator elin foce bat before you've faniahed pying to the experiferemes. The shater memarntorn coon get out of adjuplmepter minume bullt o get out of adjuper materly in leion manufacturing methodis; AD ention twice the necomery ampait of dil: bey have
 not aldin clean. the sepitre th is
 for the V. 8. Crenm anparior.

Durebmity it E-pertent.
The V. S. Crenm Separator has atood the test of time. Many of them have than a doliar for repairs. They rum easy skim cleaner than others, have a simple bowl, enclosed zeara, and a convenien low supply can

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To insure prompt deliveries and to savi freight charges for their canadian cus tomers, they ship from their warehouse at Montreal, Sherbrooke Mamilton Wimnipeg, Calgary and Vancouver, bu all letters should be addressed


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CIOER MAKING
Oan be mede profitable if the
right kind of machinery is used. right kind of machinery is unid.
Bend for catalogue. $B$, Bosomint Prese $\mathrm{CO}_{\mathrm{n}}$

## -68dy

SOME OF JOHN CAMPBELL'S WINNERS.
The following cut probably represents the hoicest collection of Shropahire sheep
ver soen in America. They are all the irst-prize whaners in regular sections at
Toronto, 1904, National Exhibition, oronto, 1904, National Exhibition, and
also winners of both championship silver medals for best ram and ewe. When shown at Toronto, all were not in the Fairview exhibit, but during the falr Mr.
Campbell bought one from each of three Campbell bought one rrom each of three help him strengthen his flock for the hot contest expected at the St. Louis World's air, and no disappointment resulted, as good account of itself, by winning 27 of the 39 first premiums offiered, including grand championship for ram, and all the rsts for locks, a similar recond ot that years previously. American breeders and millionaires were out to win at all costs,
having imported more Royal winners than was ever seen this side the sea, and handled by Englieh skilled shepherds, yet
to Mr. Campbell's flock fell $\$ 174$ more or the money than won by ANY THREE of


Some of John Campbell's Winners.

GOSSBE'
On one of the old turnpikes yet remain-
ong in the south a big automobile car ing in the south a big automobile car
had twice rushed through the gate withhad twice rushed through the gate with-
out payime toll. The third time they made the attempt the negro toll-man shut his gate and brought them to a
stand with indignation the half-dozen occupants of the car declared they were " LLook at your own board," said the "L Look at your own board," said the
spokesman. "It says, ' Every carriage, pokesman. It says, Every carriag,
cart or waron drawn by one beast, two
ands; every additional beast, two cents, cents : every adaitional beast, two clll.'
We're not drawn by any beast at all.'
" No : "No; but here's where ye come in,
sah," replied the darky, pointing to an-
other clause, as follows: 'Every hallother clause, as follows: 'Every halr-
dozen hogs, four cents.' An' threo times Your is twelve," he added.
The twelve cents was paid.

The following anecdote of early mining days in California was told by Bre
Harte when lecturing in Canada on The Harte when lecturing in Canada on which
Argonauts of 49 ." ${ }^{\text {a }}$ A mily
numbered among its members several numbered among its members one the
young ladies, had moved into one of the wing
Californip, mining towns. These were young lain mining towns. These were
Calitorne
Christiaing girls, and they established a Sunday school and gathered together as
many children as possible. One Sunday morning one of the young ladies on her way to her Sunday school overtores at-
mule team, consisting of six mules attached to a heavy frelght waggon, the
wheels of which were stuck fast in a uagmire. The driver was lashing his mules and swearing passionately. The
young lady felt impelled to stop and reprove him.
i/ My frie
 swearing dreadfully
With Hifted his hat, and said: "i Mise, do you call that swearing. Why, you ought to call
hear
mule.

The total winnings wore 89,808, or over t80 per head, which is allowed to
be the greatest win on record at any be the greatest win on record at any
one show. one show.
The three sheep to the right in the
illustration are Shenstone Star 183513 , first two-shioar ram at Torozto and St. Louis : the shearling, Belvoir Sirdar
205401, first and silver-medal winner at 205401, first and silver-medal winner at
Toronto, firat and grand champion at St. Toronto, first and grand champion at St. Louls, frrst and reserve champion at the
International, Chiogo and the ram
lamb, Harding's Beat 205208 , frst lamb, Harding's Best 205208, first at Toronto, and first, also champion, at the
International, there beating Belvolr Sirdar for the latter honor. Those three, with two other fully proved imported
sires, are kept at Fairview for service sires, are kept at Fairview for service
As the two latter sired the most of Fairview's 1904 winning lambs and shearlings, it may be readily seen what an extraordimary
use at Fairview.
As announced elghteen months ago, Mr. John Campbell has ended at st. Louis his showing of Shropshires at fall falrs,
thinking the fock's 22 years' moat unthinking the fock's "2 years' most un-
common success has eetablished as lasting common success has established a lasting
reputation as producers of high-class reputation as producers of high-class
stock. He, therofore, In this issue places
his. his advertisement offering some
surplus for sale.

Dr. Chase's KIDNEY-LIVER PILLS

 As a result of this delay, the food forents and the digestive organs are fille as belching of wind, rising of sour taste in the mouth, smothering sensetlons in
the chest. pains about the heart, heart the chest, pains mbout the heart,
palpitation, headache and dizziness. palpittation, headache and dizziness.
To overcome toms the liver must be awakened to ac-
tion by the use of wuch a medicine as Dr. ion by the use of such a
Once the liver is active there is a good
iow of bile, which, as Naturee's owp cathartic, quickens the pace of the food impuritios, and restores good, digestio
und the regular action of the bowell. stomect medicinine are of no avaii ip
sto arm the most serious form of indigeethis, the most serioua form of indigee-
tion. Dr. Chase's Kidney-Liver Pills, Dr. Chase's Kidney-Liver
bring prompt relief and cure thoroughly
bection because of their direct and specific action
on the liver. on the liver.
Because th
Because they positively cure the most
common and frequent ills of life, Dr. Chase's Kidney-Liver Pills are invaluable as a family medicine. One pill a dose,
28 cents a box manson, Betes \& Co., Torome. Por-
trait and signature of Dr. A. W. Chnee, the famous recipe-book author, on ever
hox. WONDER of the age
Milan's Manure and Gravel Loade Tom



 to Hinditatured b Leaskdale, Ont. Admiral Yates Stirling, U. S. M., now commanding the Asiatic pquadron, when Arst lieutenant of one of the emalier vessels, was taking her, with some dimculty, Into a small harbor on the New England coast.
a typical old downeast lobster-man, in a leaky old dory piled high with, "traps,
managed to interfere with the shlp's mrogress, whereat Lieutenant stirling leaned over the shide and gave him the beneft of some choice deep-sea language. "And who "are you?" inquired the
lobster-man, lelsurely resting on his oara. "Who am I?" blustered the lieuteni-
ant. "I'm the first ofleor of thle ant.
shlp." "I'm the first offcer of this " Whill, go get your skipper, then," roplied the ancient mariner, witi dignity.

- I don't argue with nobody but my equats, an' I'm cap'n $^{\prime} o^{\prime}$ this."

opssmo
A minister in Western ontario relates this joke at his own expense. Driving in existence, on which preachers were at that time exempt from the payment of toll, the regular fee was demanded by
the toll keeper. The preacher demurred, cliaimipg that ministers were entitied to
freo passage. The toll man professed ireo passage. The toll man professed
ignorance of any such rule, and the proacher reforred him to the list of rules and regulations, after consulting which the toll man sald, "Your right, sir
ministers "and manure go free."

A Sensitive englishman A bald-headed man entered a New York hotel the other day and registered thus
" Mc, London, Eng." The clerk looked at the entry and
politely asked him to write the rest of his name.
the guest.
The cler
The clerk looked at him dubiously fo his face. then thought he remembered Haven't you been here before ?" "Yos," the guea
At his earliest leisure the clerk ap the registry of two years ago and ound the following entry in the same handwriting:
"Harry Mc

When next the guest came to the counhim.
". You wrote that, didn't. yo
" Yes,"' the guest, admitted.
Yes, the guest. admitted.
Ynd that was your name, wasn
Yes."
"Yes." Why do you say that ${ }^{\text {Mc }}$ ' your full name now $?^{\prime \prime}$ ", said the guest.
" Well, I'll tell you," said " You see, when I was here before I I was a member of Parlpament, but I am not
now. So I have no right to use the
not now. So I have no right to use the
M. P. My father died a year ago, so. M. 'P. My father died a year ago, so,
of course, I do not use the .Jr.' any
Then, last fall, I had more. Then, last fall, I had a fever, longer '' Harry,' I have no use for the 'Comb,' and there you are.
nothing left but the Mc, you see

## COOPER'S GREAT JERSEY SALE

 The auction sale on May 30th of im-ported Jersey cattle, from the herd of T. S. Cooper \& Sons, Coopersburg, Pa. of the sort that has ever taken place in America, or in any couptry, as 103
head of Jerseys (all that were sold) head of Jerseys (all that were sola)
brought the splendid average of $\$ 621.50$, The bidding on the 8 -year-old Islund-bred bull, Eminent $\begin{gathered}69631, \text { A. J. C. C. (or } \\ \text { Fminent 2nd, P. } 2532 \text {, as he is regis- }\end{gathered}$ Cered in the Island Herdbook), siry Traveller, was -started at $\$ 1,000$, a participated in by half a dozen breeders
until $\$ 8,500$ was reached, when it narSpann, of Texas, and Mr. Geo. E. Peer, of New York State, the latter becoming
the buyer at $\$ 10,000$. By an error in the buyer at $\$ 10,000$. (By an error in $\begin{array}{ll}10 \text { Gedney Farm.) } & \text { The highest price } \\ \text { or a female, } \$ 2,525 \text {, was realized for the }\end{array}$ or a female, $\$ 2,525$, was renlized for the
seven-year-old cow, Reminder's Brown $\begin{array}{cc}\text { Duchess, purchased by Mr. A. M. Bow- } \\ \text { man, of Virginia. } & \text { The sum of } \$ 2,500\end{array}$ man, of irginia.
was paid for the six-year-old cow, Fon-
taine's Oxford Pride, purchased by Mr. Howard Willetts, Gedney Farm, N. Y. Agatha's Dainty Lady, by the same buyer. A dozen females sold for prices ranging from $\$ 1,000$ to $\$ 2,525$, or an average of $\$ 1,614$ each. The catie, were
pronounced a magnificent collection, compronounced a magnifent collection, com-
bining beauty with utility in the highest degree, and were selected in person by Mr. Cooper, one of the best judges of
Jerseys in the world, from the leading Jerseys in the world, from the leadin erds on the Islamd. States, and a few from Canada, amo hom were Messrs. D. Duncan \& Son,
hon, Ontario. These annual sales
$\qquad$

BRITAIN'S BEST BLISTER

 STEVEIS' OINTMENT
cuatina Ryy sabea ntat




 Enans a Suss, Luta, Mantral, Qule.

## JOEN CHAMBERS \& SONS


oldenby, Northampton, Eng


SHIRE HORSE whioh from birth are kept in their natural
oondifion, neither forcing nor overfeeding oondition, neither foroing nor overfeeding
for showing purposes.
 them and obtain their gtallions and maree
diriect trom the men that bread them.
No fanoy prices, and all delivered free No fancy pricos, and all delivered free
Liverpool landing stage. Correspondenco
inviteo.

Pedlar's Steel Siding and Shingles At $\$ 2.00$ and $\$ 2.55$ per 100 Square Feet





 2000 desikns of Hooting, Siding and Ceilings in all grades. Thousands FIRE, WATER AND LIGHTNINGPROOF.
 gitkes, Tabes. Als god shipped day after order is received. We are the 1 rrgest concern of the
kind under the British flag. Established 1861 . Capital invested $\$ 150,000,00$. THE PEDLAR PEOPLE, OSHAWA, ONT., CANADA.
 Write Your Nearest Office.


QUESTIONS AND ANSWERS Vetorinary.
tongue loller-agalactia.
Suckling colt lolls its tongue
always hatigs out of the same side
mouth.
2. Mare foaled and had no milk. What is the remedy, and should I breed her again ?
Ans.-1
Ans.-1. This is a habit, and it is probable its practice will gradually ceáse. Nothing can be done to prevent it unct especially fenged for the wear a
especially designed for the purpose. ia," and it occasionally occurs without is to feed the mare on soft, milk-pro ducing food, as bran, boiled oats, grass, ctc., both before and after foaling. While some mares appear predisposed to the Condition, it is probable yours will be is valuable for breeding purposes, I would give hor another chance
ro increase procreative powers of
What should I give a stallion so that
he will leave more colts? He leaves
W. M. B. some colts. W. M. B.
Ans.-Good food, consisting of clean, sound oats, dust free, sweet hay, pure
water and air and regular exercise. Drugs ane of comparatively little value, and should not be used indiscriminately. we could have expressed an opinion on the matter. Generally sjleaking, elghty
(80) mares in a season to a matured horse is plenty, although many horees
hore to have fewer mares, and foal the ma-
iority of them, than a largo number and jority of them, than a large number and
a low per cent. of foals, many of which a
are weak. We we belleve tm a horse being are weak. We belleve in a horse being
so used that at a mating he is full of
and fire. Shakespeare put it, "a dull, stale,
tired bed creates a tribe of fops," and an exhausted stallion cannot be end if his to produce the best of progeny, and if his
value lies in his abllity to impress himself, over indulgence witl tend to lessen
ithat impress. Limit the mares to one that impress. Limit the mares to one
embrace during a heat, unless in special
cases cases, and see that the mare is in the
proper condition and attitude for the emrace. Some horsemen use large numbers of eggs during the seas,sn for their
tallions, and occasional doses of nux vomica, a strong nerve tonic, are given.
Miscellaneous
pasturing clever intended for seed I am pasturing a field of red clover. niss ravages of midge and secure a crop Essex Co., Ont. G. B. reasonably well
keep stock out. $\qquad$
$\qquad$ Did you ever notice that the few men
who make the largest success of the puretred business are buyers when prices are
tow and free sellers when values are James Whitcomb Riley says that he was
summoned as a withess in a case tried in In Indiana court, where one of the wilt
eesses before him evinced some disinclina tion to state her age.
tis asked
tis "Is it very necessary ?" coyly asked
he witness, a spinster of uncertain age,
"It is absolutely necessary "It is absolutely necessary, madam,"
interposed the judge.
"Well," tighed the ." 18 must, " Well," sighed the maiden, ". if 1 must,
I supose I must.
could, possibly affect the didn't easee, hor, you it " Madam," observed the judge, with some
asperity, ." I must ask you not to further waste the time of this court. Kindly state your age."
Whereupon the spinster showed signs of

 Every minute $\begin{aligned} & \text { thoroughly impatient. } \\ & \text { makes it worse, you }\end{aligned}$

JUNE 15, 1905 QUESTHONS AND ANSWERS.
Miscellaneous.
sow THisTLE.

KS Track Uloaders are made off the original ${ }^{\text {Provana }}$ Patterns.
Do not experiment with unti ied imita-
tons. Ask for the original, manntac. BEATTY BROS. fergus, ont. cow leaks milk How is it possible to prevent a loss milk through a cow "leaking" when ven then the milk
considerable quantity. Ans.-We do not know of any pra aicable means of preventing the leak,
which, by the way, is not usually seriwhich, by the way, is forst and thinnest
ous, seeing it is the first and pus, seeing it is the first and thinnet
milk that is lost. If any reader has
lith ood remedy let us hear of it. correspondent enclosing a specim
co from the limb of a cherry tr oroken from the limb of a cherry
olr
says in explanation: llanted six years ago, and has, unti nd bearing well. This spring it wa and of blossom, but no leaves appeare
und sind appears to ying." Ans.-It is evident from the descrip ion of the cherry tree that Many trecs whi ere mgre or less seriously injured duri
he past two winters, are behaving his way this spring. They stin
itality enough to bear blossoms, bit
$\qquad$
$\qquad$ What ingredients should one use,
what quantities to spray potatoes C. B.
Ans.-Bordeaux mixture is the standa Ans.-Bordeaux mixture is the sta
for blight. Formula
is remedy for blight.
luestone, 5 lbs. lime, 40 to 45 gallo
water. Directions for preparing it ha water. Di
been freque
Advocate."

$\qquad$
$\qquad$
$\qquad$
Wlight. One advantage of using be lime
deaux with Paris green is that the
in the former causes the poison to ad
in the
here much



Clydesdale Stallions ron saus.
$\qquad$




Oneor or wito then wan man who
 the whito ond moture nat up with tuo
 jumped over the rough places withou assistance.
And it of the flock slept to wake no more. wife. he carried the second flock of babies and helped the woman over the rough places, too.
Funny, isn't it, how easily a man can Funny, isn't it, how easily a man can
change his ways-when a woman taketh

## JUST SEEMED TO

## SUIT HIS CASE

Welland Merchant Restored to Health by Dodd's Kidney

Doctors and Medclae Falled-Dodd's Kld
ney Plils Succerded-Other Cabes They
 Welland, Ont., June 19-(sperial.)-
J. Yokom, a prominent merthant of this
ity is telling his friends of his remarkable cure of a terrible Kidney Disease by
Dodd's Kidney Pills. Mr. Yokom's statement is as follows :
" For more than a year in had been ail-
ing with Kidney Trouble in all its worst symptoms. I had a distressed feeling in
my head, little or no appetite, and a feel.
(. Doctors and medicines failing to give
$\qquad$
$\qquad$
$\qquad$
$\qquad$
parturient laminitis. Mare foaled May 23 rd . let her out on grass for three h
when I put her in she was very stif. euld hardly get her to the sta considerably better now.
Ans.-Your mare had parturient lamini (founder). The grass did not caus reatment consists in removing the shoes nd applying hot poultices to the feet The hind feet are usually affected.) In-
ternally she should be given hall a dram urnally she should be given half a drable
uinine four times daily. It is probable alinine four times ane will have
place before this.
INVERSION OF TEE VAGINA. $\qquad$
Burras \& Shoppari, Propritoris,


Gor, simeoe and Molsou Sts., Tencinte.


 PERCHEROHS AT PAROAIH PRICES
 and Fillies. Importod and Oand din--rrod. For mior Threo
 Roosonable prione Mor pariomine wrio io WM. D. DYER, OLlumaus, Ont. 8 hropshlres and Clydesdales Corrospondenoe oulclited. Vlithort welcome.
Stations: Brooklin, ©.T.R; Mrtie, C. P. R. Clydesdales, Ahorthoron ond moloostost





Help Another.
Are there hearte that you can bless, Can you give eome happfine
Lift a prayer or sing a song
 As you pass life's way along.

There are many faint and sad, You can make brother:
You can make them strong and glad-
ort a smile may stay a
Oft a kind word banish fea
Help another :
Are there clouds about your way
Would you turn your night to day?
Help another
From From your own pain-stricken hear

Help another
Think Who ever dwells above, One whose very ife is
Help another Does He stoop your griefs to hear
Does He feel your every Does He feel your every care?
That kind love with others share Help another !

## Optimism as a Creed.

 When John Richard Green, the Engthe depth of winter he could not afforda fire, he used to sit by his empty hearth and pretend it was aglow. " snut out the gloomy and call in the bright. There is more wistom to shut
ting
 The man who can drill his thoughts, so
as to shut out everything that is do preasing and discouragting and see only The bright side even ot his midfortunes
and fallures, has mastered the secret of happlness and success. He has made himself a magnet to draw friends, cheer,
brightness
and
good fortune to him Everyone is pleased to see him. His Presere is no accomplishment, no touch d culture, no gift which will add so muct to the alchemic power of life as the op.
timistic habit,- - the determination to cheerful and happy no matter what comes
to ue It will smooth rough paths. ligh up glowy places, and melte away the mountain side. - S Success.

The late Bishop Elder when congratu-
lated by a triend on his possession lated by a friend on his possession of the
gift of direct and forcille speech said : it, has its use. It is a fine instrument Wherewith to sorten harsh, unpleasant cumlocution is valuable. "For instance, ${ }^{1}$ once had a young
man for
take servant
who was
 tannent of a guest of distinction,
procuret a very excellent game pate pie)
All of tit was not eaten; quite hall. should say, was eetiten, when the he hall,
removed it from the table. "For luncheon the next day I thought
Iold would have up the pate again.
told cold my man to fetch it. He, with
confused air, said he didn't know wher the cook. "He departed, and in a little while

 me to tell you she told me to eat it.' An Arkansas farmer, describing to a
torist ome of the wonderful proverties
of the mineral surrings dof that Stote aid: "Do you see that spring over here, stranger $7^{\prime \prime}$. He said that he did. the farmer added: "Well,


Don't experiment with now and antried remedies, but procure that Which has stood the test of time. Dr. Fowler's has stood the test for 60 years, and has never failed to give satisfaction. It is rapid, reliable and effectual in its action and does not leave the bowels constipated. Refuse all Substitutes, They're Dangrrous,
Mras. Bronson Lusk, Aylmer, Que., writen: "II
ave used Dr. Fowier's Extract of Wild Strawberry for Diarrhoos for neveral yeacre pant and If fied it is $\substack{\text { for Diar } \\ \text { the oaly } \\ \text { tima." }}$


Farnham Oxford Downs We are offoring 70 raneh
rams.20 for header, some
of them imported, being St.
 ewe lambs.
HeNry
AB RKELL\& son NOTIOW
Mr. Henry Dudding will hold at Riby Grove THURSDAY, JULY 6 TH 。NEXT The week after the Royal Show in London, ai
AUOTION
RALIE.
A grand
lot of SGOTCH-TOPPED SHORTHORM CATTTE and Linaoln Long-wool Yoarling Rams and
Bwos. and many prizewinnors. ${ }^{\text {The }}$ choicest straing of blood will he represented in the ani-
nals included in the sale. Catalogues from
He thals includod in the sale. Catalogues fron
tho owner in due ourrae and JNO. THO RN
TON\& CO.. Prinoess St. London. ABERDEEN-ANGUS

$\square$ THE SUNNYSIDE HEREFORDS
 vioea ble age this tholudee 4
2 year-oldg, all of the blocky
heary type, at pricoes that will move them. We can
yet spare some
heifer
ond uderton Sta., L. H. \& B.: Lucan Southi, Giti'R. MURON OENTRAL STOOK FARM

## ABERDEEN-ANGUS

Our present offering li
toven young bulls, 8
to 818 months old
oull
 18t at London this year $\qquad$ olintan. ont. Shorthorns, Cotswolds, Berkshires
 For
 Bexes.
CHAS. B. Bonny CASTLE CHAS. B. BONNY CASTLE
Campbellford, Ont.
P. 0 .

H. J. DAVIS

Woodstock, Ont HORTHEAt Offorling SHORTHORNS AND SHROPSHIRES
 re, Star of Morning.
One junior yearling show ball in show form, 4 balle from 14 to 16 months old, from imp
 from imp. sire and dam.
Imp. and home-bred cows and heifers, all ${ }_{25}^{\text {ages yearling shropshire rams and } 20 \text { yearling }}$ Cariloads of ranch bills furnished on shor
notice. For catalogue and prices, writo W. G. PETTIT \& BONS, O Freeman, Ont
Burlington Jct. Station, Telegraph, Telephone Ouenston Heights Shorthorns

## Two bull calves, 6 and 8 months, by Derby (imp. ing dams. Bargaino from good ind

 few young cows and heifers. HUDSON USHER, Queonston, Ont A. EDWARD MEYER Box 378, Gaelph, Ont. SCOTCH 8HORTHORNS Crulckshank Lovely. Correspondenoe, so
liciled. V isitors welcome. Long distanc Two Grand Scotch Bulls
 ext and by imp. sire. Both bulls of choic.
R. A. \& J.A. WATT Salem P.O. Rlora Station, C.P.R and G.T.R Our herd of seventy-five head of Scotch-bred
SHORTHORS $\frac{\text { compares favorably with the best. Inspection }}{\text { and oorrespond }}$ SHORTHORNS

 PETER WHITE, JR., PEMEROKE. ONT

 Scotch Shorthorn Bull-Imp. Prince Cruick
 SCOTOH-TOPPED SMOATHORNE




Arthur Johnston GREENWOOD, ONT.
offers the following :
5 imp . balls, all registered in E. H. B. 7 high-olase home-bred bulls, all by imp. sires,
and from imp. or pure Sootch oows. Very Ant heffere of or own breeling, by imp

## SHORTHORNS

$$
\begin{aligned}
& \text { Still have a fow good young } \\
& \text { bulls to offer, } \\
& \text { ceptiono an elly good lot of heifere, } \\
& \text { ampong which there are show } \\
& \text { animals, Prices easy. } \\
& \text { CATALOGUT }
\end{aligned}
$$

 SHORTHORN8


Three young bull fit for service. est Oruickahan
breeding. Good Stro, dualit
Mostr and Sone? Inspection invited. Oatalogues on JOHM RAYDEE \& SOH, Greotlle P.O., Oet Spiling Grove Stock Fanm

 T. E. ROBEON, ILDERTON ONT T. DOUQLAS ${ }^{4} 80 \mathrm{Ns}$. SHORTHORNS ani ClYOESOLLES

 mim
PINE QROVE STOOK FARM SOT OHid sHortione OOTOH BHORTHOR
and BIROPSIIRES. W. a. EDWARSO MAPLE LODGE STOCK FARM 1854.






隹

Scotch Shorthorns
HOLLYMOUNT STOCK FARM
 Young bulls and heivers from imported sires
and dams for
gale sale at
prices. For particulars W. J. THOMPSON o Mitchell, Ont.
Elm Grove Shorthorns
 madrees $\mathbf{W}$. G. SANDRIRS a son. CHAS, PAMKIM, WYEGPIDOE, ONT, nonem tan mom SHORTHORN OATSLE ERD

Shorthorns Lineolns

W. H. TAYLOR \& SON, Parkhill, Ont. Dootoln Ehorthorine

 Nuide ink
R. \& S. NICHOLSON sOOTOH SHORTHORNS
 Papkhlli Sta. and Telegraph. SYLVAN, ONT CLEAR SPRING STOCK FARM
HIGH-CLASS SHORTHORNS
A ppeotalty. Prosent offorlngs young balls and JAS, BROWN Thoro JAS. BRown, Thorold sta. \& P. . sоотон shorthorns.


 MAPLE HILL STOOK FARM SCOTCH SHORTHORISS



SHORTHORNS FOR SALE







 Titat
$A$, sattimer. Box 16 , Woodstorek Ont SCOTCH SHORTHORIS


and Sot





$\qquad$
$\qquad$

standing outside shivering
If every cloud had a real silver lining
sunny days would not be desired.
Zeal wither


 Rno wool $\overline{\text { maten }}$
䢒

 ond




 votyon horion or higat buat the







## Make More Milk Money.

If you knew a way by which you could double your profits from your milch cows and at the same time save yourself a Cream Separator
will do that thing for you. We want to show you how and why,
It's the simplest separator made; has few parts; nothing to get out of It's the simplest separator made; has few parts; nothing to get out of
order; turns easily; skims perfectly; is easily cleaned; is absolutely order; turns easily; skims perfectly; is easily cleaned; is absolutely
safe; lasts longer; gives better satisfaction and makes more money safe; lasts longer; gives better satissaction and makes more money
for you than any other-all because it is so well and so simply built. No separator has ever made such a record in popularity and sales-because every man who buys it is satisfiled. May our agent call and show
Don't buy a separator until you have investigated the Empire.
send for catalogue. Let us send you our new Catalogue. Ask for book No. 1.
Empire Cream Separator Co, of Canada, Ltdo, Toronto, Ont.

## 12 SHORTHORN BULLS 20 Cows and Heifers

 Good ones, slooteh-bred, at modoratoprioes.
Catalogues on application. H. SMITH, Exeter, Huron Co., Ont

Shorthorns, Llineolis and Berkssirirs
 SHORTHORNS
 SHORTHORNS FOR SALE


 LAKEVIEW SHORTHORNS.




w. w. BALLANTYNE, Stratorod, Ont.

Springhill Farm Ayrshires

Robt. Hunter \& Sons, Maxwille, Ont. Hioh ihb



 Nond



 retution sumo MEADOWSIDE FARM




barren cow cure

It costs more to winter a good share
it the pure-bred scrubs than they can be sold for in the auction ring.
 ."The darkies sometimes experience tha dificulty," quietly remarked an "ordi-
nary " nelghbor.

The American Shropshire Sheep Breed-
ers' Association offer the followinj ers' Association offer the followin
amounts as special prizes at the Toronto Industrial Exposition for $1905:-$ Bes fiock, 1 year old or over ( 1 ram and
ewes), $\$ 12, \$ 8, \$ 6, \$ 4$; best flock, four
lambs lambs (1 ram lamb and 3 ewe lambs),
$\$ 12, \$ 8, \$ 6, \$ 4 ;$ best ram, any age, $\$ 20$;
A BALKY HORSE.

A crowd blocked a Chicago street, and
the horse doctor joined it to see what was up. "Ah, a balky horse,", he mur mured. Then he worked his way through
the crowd. sayinવ in an authoritative the crowd, saying in an authoritative
voice, Let me pass, friends, I am a
veterinary suryeon." Renching the horse, veterinary surgeon.". Reaching the horse,
he said to the master of the animal: " l'ut up your whip. It will do no
good I am a veterinarian. T'll cure
your horse of the balks. Wal ye took hold of the balks. Watch me.' the fetlock, bent it at the knee ioint and
held it in held it in that position for three minutes,
Then he put the leg down again and chirruped to the animal. In agartod off
as though it had never balked in its
liff.
$\qquad$
$\qquad$
$\qquad$ by the time the log is lowered to
ground again."-[Live-stock World.
$\qquad$ several years, but not until two years
ago did he venture the larger shows,
"hen he renched time as an eached Toconto for the first
ly share and and secured a good-
sher stock bred by the exhitbitor; repeating
his success at the pergiall for the same season. Again last year, Mal
Maw brought out a very crait
liner tingent, which it is expected he will re
peat again this year. His flock is headed by two choice rams, one a winner
in 1902 of first at London and secord at
Thoronto; the other is Wainsfleet, by the fa2ronto; the other is Wainsfleet, by the fa
mous stock ram, Stanley (imp.). The lamb
crop this year from these rams is a very rop this year from these rams is a very
promising one, and Mr. Maw will have
some good ones to dispose of Regis some good ones to dispose of. Regis-
tered cllydesdale and Shire mares of the
choicest of breeding and quality have also found a place on this farm, some of
them good cnough them good enough to win first at the
Canadian National Exhibition at Toron-
to last fall, and looking as though the same might and looking as though the
other pated this year. Another pair of Clydesdale mares are in
view, which if secured, will strengthen
this string in the show-ring. Mr. Maw this string in the show-ring. Mr. Maw
is int onduced to our readers with every
conffdence that he will be upright and
hinest in his deallings with those who
$\qquad$

JUNE 15, 1905
QUESTIONS AND ANSWERS.
cow with covgh
Cow has had a cough for a month She is on grass and doing well, and do not cough much.
Ans.-This indicates tuberculosis. the cough continues you had better ha your veterinarian test her with tuber culin, and if she reacts dispose of her a he directs. Do not allow her out dur ing cold or wet weather, and if she
not disappear.
CONTRACTED FEET, ETC
. Clydesdale weighing $1,640 \mathrm{lbs}$. ha dry feet ; the heels are becoming narro and high, and tipping to or
is also slightly kneesprung.
2. Three-year-old was castrated a yea ago, a.
large.
3.
January, and there is a bony growth inside of fetlock joint. R. H. F. Ans.-1. Remove shoes; ; cut the heel
well down, and get the feet as near normal shape as possible, then blister the
coronets every month. Details for blistering are frequently
umns. Allow him to run on a damp
pasture between blisterings. This will pasture betweon binsterings. This wil
encourage growth of, horn better than any other treatment, and will also be
aenoficial to the weak knee. When in benoficial to the weak knee. When in
the stable give him a box stall, and feed the stable gior.
. and an operation by a veterinarian
necossary to remove it. Unless it necessary to remove it. Unless it it
quite large it will not interfere with hit quite lalness. 3. This cannot be removed, but may
be reduced some by repeated blistering be reduced some by
as in question 1 .
inguinal hernia.
Five-weeks-old colt has double scrot
hernia. My veterimarian applied bandage and lotion, but the colt got very sore and was no better. I notice tha
"Whip" advocates castrating colts while on the dam. Would it be wise to cas
trate this one?
W. A. S. Ans.-II you read the article you men
tion by " Whip ". on " Castration," you will notice that he makes special men . In my opinion, the better time to ca trate colts, provided, of course, there is
no abnormality as hernia, etc., ts from ten days to three woeks of agg." Now cepted. Leave him alone, do not inte-
fere with the scrotum at all. Watch closely, and if you notice the hernia is
becoming larger and larger you must get a veterinarian to perform what is called
ithe covered operation." It is probable it will not increase in size, and it
also very probable it will disappear be
als cases it does not disappear until the second year, and in rare cases not at all
Unless it becomes larger, give nature laryngitis. Aged horse cannot swallow well.
tries to eat and drink, but it all fal
out of his mouth. He slavers badly. got his teeth fixed, but he is no bette
How long can he live without eating
H. E. If there is no broken tooth or irritan
in the mouth, the trouble is in the
throat, and no doubt he will be cithe throat, and no doubt he will be eith
drad or better hy the time you see thi
$I_{\mathrm{n}}$ my opition he has laryngitis, and t treatment is to steam him, by holdin
his head over a pot of boiling water tw or three times daily. Rub the throat
twie daily with equal parts spirits
mmonia, oill of turpentine and raw lin seed oil. Give him 3 drams chlorate potash three times daily, by dropplng o
the back of the tongue out of a spoon
Feed out of a high manger, and hold th water high for him to drink. Feed any
hing he will eat. This disease is liabl
many complioations, which must reated according to symptoms. The
length of time he will live without eating
depends upon his condition and the

[^2]THE FARMER'S ADVOCATE.

W. W. ChMPMALI,
seoretary of the Hational Sheop Breed-
seerotary of mive ront of Primanoy March
and latto Eperetary of the southidow

 answion;
 LOMDNH, w. C., BIGLABD. FAIRVIEW SHROPSBIRMS




 DORSET HORN SHESP and SCOTCH SHORTHORNS The hottor, ropreennting the Nonparin, ile

 John A. Hocillivay, A OXFORDS: Preent offorings aro: Ram and owo hame

 W, II, IRKELL, - Tossmater, Ont


E. T. CARTER \& CO,, . Toromto.

 We aro Importing Shropstirros



Te anweriag aey adoerticemonel on this onpe.

QUESTIONS AND ANSWERS Miscellameous crean poaming. I wish a little information on a subject last summer. In the beginning of July the cream began to rise in the pails as
if there had been soda put in it. It foams up, runs over the top of the pails as if it had yeast in it, and what little remains is very bitter, and the butter churned from it is not it to oat. Ans.-The trouble may doubtless be
ascribed to yenst; the orfgin of which is a matter of conjecture, it being possibly traceable to leaves of trees or grass
oin which some varieties of yeast comon which some varieties of yeast comother introduced into the milk, it rapidily develops, especially if the millk or cream be held long at a high temperature. We cream, and have been keeping it in to warm a place. As remedial measures, frot take the strictest pains in scalding or steaming all utenstls ; then separate thick cream, and hold at a temperatur
of $50^{\circ}$ or below, until twelve or twenty four hours before churning, when the temperature may be ralsed to 65 degrees in order to ripen the cream. If the troub about ten per cent. of pure culture of good-Aavored sour skim millk or buttermilk got from a neighbor who makes good butter; or the pure culture may be bought. If pasteurization fers not prac a good culture put in the cream as soon
as it begins to collect will produce betas it begins to collect will produce better flavor. pediaree ougries. 1. In lopking over a pedigree, how do
you determine to what family an animal you determine have seen pedigrees in the herdbook containing hals a dozen or more
names, such as Miss Ramsden, Lady names, such as Miss Ramsden, Lady
Stamford, Mayflower Girl, etc. 2. Upon which do you lay the greater
stress, pedigree or individual merit? stress, pedigree or individual merit ?
3. A calf with registered sire and dam 3. A calf with registered sire and dam
is eligible for registration because its pations did an animal have to possess to be admitted to registry when records
were first established? were first estabished?
4. Are new families
Great Britain at the present day in any
other way than by inheriting pure blood other way than by inheriting pure blood
from their ancestors? exhibited in two distinct classes ? Are they not the same style of horses and
bred for the same purpose? A. N. bred for the same purpose? A. N.
Ans. -1 . To determine the family to Ans.-1. To determine the family to
which an animal belongs, the maternal
side of the pedigree is commonly taken which an animal belongs, the maternal
side of the pedigree is commonly taken
as the basis, tracing it to some noted slid of the pedigree is commonly taken
as the basis, tracing it to some noted
show, selling or performing ancestor, or as the basis, tracing it to some noted
show, selling or performing ancestor, or
to a member of a noted strain or tribe to a member of a noted strain or tribe
in the herd of a specially successful
breeder. Of course in the herd of a specially successful
breeder. Of course, the reading of the
female side of the pedigree alone is not female side of the pedigree alone is not
a reliuhte index to the value of the
breeding, as the sires used in the top hreeding, as the sires used in the top
crosses may have been of as many
different fumilies, and as the individua different fumilies, and as the individual
incellence of an animal and the probahinity of its producing excellent individu-
als depends largely, we might say Iy, upon the character und quality of the
top siries, they are entited to at least
as much credit as the lewat as much credit as the females showing
in the pedigree, and possibly more. 2. On individual merit, provided the
animal is pure bred and has the benefit of good ancestry.
3. A start had to be made with the 3. A start had ave matlable when improvement was un-
bett anen, and, we presume, individual
detaken, detaken, and, we presume, individua
merit was the principal qualification.
4. In the case of most British pedigre 4. In the case of most British pedigree
records provision is made for the admission of approved animals having a certain number of top crosses of regis-
tered sires on presentation of evidence as tered sires on presentation of evidence as
to the facts satisfactory to a record committee. not see that such classification appears in the prize lists of leading Canadian exhibitions. Roadsters at
these shows are classed by themselves.
There is a separate class for Carriage Thore is a separate class for Carriage
and Coach horses, with subsections for
horses of diferent height, and we under horses of different height, and we under-
stand these are all known as harness tand these are all known as harness
horses when shown in harnes, as also
are Hackneys, though a separate class
for tiis bead an as fur the others mentioned

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 About firty per cent. of the pure-bre cattle ought to be used not for breeding but to make high-grade baby beol. That's
the way to keep up the pure-bred bustthe way


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months old, at $\$ 12$ eaoh.
DAVID BARE. JT., Bot Bo Remfrow P. ©. Owing to unforeseen oironmstanoes, I havi
been unable to supplv customers for been unabie to supply customers ine
Write me if you want any. For Bale, cheap, Write me if you want any, For Rale, cheap,
pure-bred Berkitire boar, registored,
p. Wotheral, Iushton Famm, Cookshire, Que. f.S. Wotherall, Rushton Farm, Cookshire, Que. tor sale. all ages, from imported prizewinning
stook, of both sexes. Palirs not akin. GEO. M. SMITH, Haysville P. Oc Ont.
 Troubles, to write us for a free sample of Gin Pills
We want everyone who has sick friends to send us their names and addresses, that we may mail them, free of charge, a sample box of Gin Pills.

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There are hundreds who are martyrs to Kidney Trouble, having tried everything else without rellef. There are dozens in every town who may have Ridney Trouble without lonowing it. If you are pale-losing flesh-can't sleep-no appetite-if you constantly desire to urinate-if the urine is scanty, burning or highly colored-if the feet and hands are swollen-if the eyesight is dimmed-if there are frequent pains in the back, through the hips and legs-then you have the most positive symptoms of Kidney Trouble.

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Ench Gin Fill contantas the modidinal properties of one ad ometals curnce of beat Holland Gia. The haruful thedples are combtred with several other remedica eroeptional value-and the whole made up in the form of amall, pleasant pill. These are the famous Gin Pilts that have the largest sale-2nd the greatest number of
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you ever were in your life. Chat's claiming a great deat, but I've got a good remedy, and there are thousands who say and write that
I've made good every claim; that they are now I've made good every claim; that they are now
big, husky and fresh specimens of vigorous big, husky and fresh specimens of vigorous
manhood, and that they haven't an ache or pain in their bodies since using my Dr. McLaughlin's Electric Belt It has restored health and strength to thousands of weak people. I It gives the vitalizing power of electricitv, without burning or blistering, to every weakened part, developing full vigor and removing all the
I want all weak persons, who nre not what they should be, to use one of my Belts, and when they are cured, tell their friends of its wonderful effects. My Belt is also an absolute remedy for Nervous Debility, Backarranged for women as well as men, and cures female weaknesses.

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Humorous.
Smith, who had purchased a new hors varranted to be quilet to ride and a goor
rotter to boot, had finvited a triend to ccompany him for a trial drive.
They had not gone very fir a They had not gone very far when tho
horse bolted, ran against a heap of
gtones lying in the road bones lying in the road, and pitched
both occupants of the carriage violently into the lane. When they recovered, the
horse had disappeared, leavig the horse had disappeared, leaving the buggy
shaftless and a heap of wreckage. Smith began to roar.

- What on earth are you laughing at $?^{\prime \prime}$
dejectedly dejectedly inquired his yriend. "Why, the fellow who sold me that
horse lent me the buggy."? It happened at a "rummage aate" at
Ottawa the other day. An elderly woOttawa the other day. An elderly wo-
man, whose appearance showed the effects
of battles of battles with many realities of the
world, was examining a bit of crepe which had been sent from the movarning
robes of some respectable family. The robes of some respectable family. The
price was five cents. "I think I ll take tit," said the wo-
man. "My husband is not very well, man. may not last long. A few years ago." she added, conffingly, "I bought
a widow's bonet here. I have ner any need to use it, but I have lent it around to all my neightors."
Thus does the spirit of bargain-hunting Thus do
spread.

Comfort of the patient is one of the
most important essentials to success in the treatment of a sick animal. Groome and stablemen to whose care stck horsee tentive to this point as they should be, and in many cases it is not unusual to
find them being so careless as to confine the antmals in dark and badly-ventilated houses, where the surroundings are
gloomy and unhealthy, and the air anything but fresh and pure. This is a very great mastake, as nothing is so im-
portant as a free circulation of fresh air. portant as a free circulation of fresh air.
of course, drafts should by all means be avoided, but this need not bo done at the awful cost of inadequate ventilation,

A close, stufy atmosphere is | A close, stuffy atmosphere is good |
| :--- | :--- |
| neither for a healthy nor slck animal, | and should, therefore, never be toleratod

After being without a girl for a wook, the mistress of a Harlem apartment was showing an applicant over the Gat, says
Harper's Weekly. She had been libenal in her promises of privileges in the way of afternoons and nights of in the way even gone so far as to extend the hour to agree to her using the sewing machine after her work wal done.
The new girl seemed pleased, and the
mistress was beginning to mistress was beginning to hope. They
walked back into the dining-room. and Whiked back into lhe dining-room, and from her hat. Then her smile faded. she do you do your own stretchin'?" she "Do we do our own what 9 " asked the puzzled mistress.
"Stretchin'," repeated the new girl.
"I don't understand."
© Do you put the stuff the girl again. Do you put the stuld on the table at
meal and strotec for 1 t , or do I have to shuffe it around?
Dr. Watson, better known, in thls country certainly, sermon in Liverpool in which he declared that "no young man was justified in marrying who could not obtain a frst insurance company." Dr. Dobbs, editor insurance company." Dr. Dobbs, editor,
of Vectis, contributes to the Merning Leader of that eity a communlcation say-
ing that, as a medical man, he "is heart ing that, as a medical man, he "Is heart
and soul with Dr. Watson as to the in-: and soul with Dr. Watson as to. the in-
tent of his teaching,' but thinks that a life insurance company's certilicate is not
enough, and that enough, and that an independent physi-
clan of high standing should also be concian of high standing shourd also be con-
sulted, to whom a life history of the families of both parties to the conremplated marriage should be given. This
suggesta a variation of the old saying suggests a variation of the old baying,
"A sound mind in a sound body." The
and "A sound mind in a sound body." The
qualification for marrlage would seem to be "a loving heart in a sound body,",
This rule would be a bar to many This rule would be a bar to many
marriages, but it does not follow that it marriages, but it does not follow that it
would promote race suicide any faster
than


He Will Gure You first Then You Pay Him





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Thos. Southworth
Dircetor of colontration, Toronto.

Eivery Parmer Bhould Plave a

0. Wilson \& Sin, Lill., Unimb: Cothma




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    sider the "Fariner's Advocate" of more pracsider the "Farmer's Advocate" of more prac-
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[^1]:    Imprertinence.

[^2]:    depends upon his con.

